BAYOU GROSSE TETE WATERSHED TMDL FOR BIOCHEMICAL OXYGEN-DEMANDING SUBSTANCES AND NUTRIENTS, INCLUDING BAYOU PORTAGE AND BAYOU FORDOCHE

Subsegment 120104
and former Subsegments 120101 and 120112

SURVEYED September 24-26, 2001

TMDL REPORT

By:

Water Quality Modeling / TMDL Section
Water Permits Division
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Louisiana Department of Environmental Quality

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FTN Associates, Ltd.

EXECUTIVE SUMMARY

This report presents the results of a watershed based, calibrated modeling analysis of Bayou Grosse Tete, which includes Bayou Portage (formerly Subsegment 120101) and Bayou Fordoche (formerly Subsegment 120112). The modeling was conducted to establish a TMDL for biochemical oxygen-demanding pollutants for this watershed, which is located in south-central Louisiana and is part of the Terrebonne Basin. The area of the subsegment is sparsely populated and land use is dominated by agriculture and wetland forest.

The TMDL in this report was originally developed by LDEQ during 2006-2007 based on the DO criterion that was effective at that time (5.0 mg/L year round). The final report was dated July 3, 2007 and was approved by EPA. Since that time, the DO criterion for this subsegment has been revised to 2.3 mg/L for March through November and 5.0 mg/L for December through February. During 2010, this TMDL has been revised by FTN Associates, Ltd. to reflect the new DO criteria. This revision also incorporated changes in the inventory of point source dischargers since the 2007 report. Once the inventory of dischargers was revised, the calibrated model (unchanged from 2007) was rerun to simulate the impact from both point and nonpoint sources of oxygen demand on the level of DO under critical conditions for summer and winter. TMDLs for oxygen-demanding substances were recalculated based upon the new model results.

The model for Bayou Grosse Tete, Water Quality Subsegment 120104, begins at the point where the False River Overflow Canal flows into the bayou and extends to the confluence of Bayou Grosse Tete with the Intracoastal Waterway southeast of the town of Grosse Tete, LA. A portion of the headwaters flows eastward over the Torbert weir and thence into Bayou Cholpe. This portion is not included in the model because it never rejoins Bayou Grosse Tete. The watershed is 620.74 square kilometers (239.7 square miles) in area and includes the following tributaries: Bayou Blue, Bayou George, Bayou Portage (formerly Subsegment 120101), Bayou Black, Bayou Fordoche (formerly Subsegment 120112), Grand Bayou, Catfish Canal, and several unnamed tributaries. Thirteen permitted facilities were addressed in the TMDL effort. Seven of these discharge directly into Bayou Grosse Tete and were included in the model. The remaining dischargers were either too small or too far away to have an impact and are accounted for as nonpoint loading through the calibration process. They fall under one of several state or regional policies that govern permit limitations.

Input data for the calibration model was developed from data collected during the September, 2001 intensive survey of Bayou Grosse Tete; data collected by LDEQ and USGS at monitoring stations in the watershed; the LDEQ Reference Stream Study; permits and permit applications for each of the point source dischargers; USGS drainage area and low flow publications; and data garnered from several previous LDEQ studies on non-point source loadings. A satisfactory calibration was achieved for the main stem. For the projection models, data was taken from the current municipal discharge permits, current applications and ambient temperature records. The Louisiana TMDL Technical Procedures manual (dated 05/26/2010) has been followed in this study.

Modeling was limited to low flow scenarios for the calibration and the projections since the constituent of concern was dissolved oxygen and the available data was limited to low flow conditions. The model used was LAQUAL, a modified version of QUAL-TX, which has been adapted to address specific needs of Louisiana waters.

Bayou Grosse Tete, Subsegment 120104, appeared on the 2002 and 2004 303(d) lists. It was found to be "not supporting" its designated uses of primary contact recreation and fish and wildlife propagation. It was "fully supporting" its designated use of secondary contact recreation. The subsegment was subsequently scheduled for TMDL development with other listed waters in the Terrebonne Basin. The suspected cause of impairment was organic enrichment/low DO. This TMDL addresses the organic enrichment/low DO impairment.

This TMDL establishes load limitations for oxygen-demanding substances and goals for reduction of those pollutants. LDEQ's position is that when oxygen-demanding loads from point and nonpoint sources are reduced in order to ensure that the dissolved oxygen criterion is supported, nutrients are also reduced. The implementation of this TMDL through wastewater discharge permits and implementation of best management practices to control and reduce runoff of soil and oxygen-demanding pollutants from nonpoint sources in the watershed will also reduce the nutrient loading from those sources.

Louisiana does not have numeric nutrient criteria at the present time. LDEQ is developing numeric nutrient criteria for waterbody types based on ecoregions in accordance with LDEQ's plan "Developing Nutrient Criteria for Louisiana 2006" which can be found at:

http://www.deq.louisiana.gov/portal/Portals/0/planning/LA%20Nutrient%20Strategy%20Plan%20Final%20FOR%20WEB.pdf

Water body types for nutrient criteria development in Louisiana are 1) inland rivers and streams; 2) freshwater wetlands; 3) freshwater lakes and reservoirs; 4) big rivers and floodplains/boundary rivers and associated water bodies; and 5) estuarine and coastal waters (including up to Louisiana's three mile boundary in the Gulf of Mexico). Proposed approaches for nutrient criteria development are currently under review by LDEQ and EPA. Nutrient criteria can be implemented upon state promulgation and EPA approval as per 40 CFR 131.21.

LDEQ recommends that all facilities discharging to impaired waterbodies take a proactive approach and prepare to receive nutrient limitations in the near future. Such a proactive approach should include nutrient monitoring and documentation through facility Discharge Monitoring Reports (DMRs) in order to assess their nutrient loads and the need to modify their treatment processes for nutrient removal.

The results of projection modeling for Bayou Grosse Tete show that the water quality standard for dissolved oxygen of 5.0 mg/L from December through February and 2.3 mg/L from March through November will require man made sources to be reduced by 60% in the winter projection and 65% in the summer projection. This results in a minimum DO of 5.03 mg/L for the winter projection and a minimum DO of 2.34 mg/L for the summer projection.

Table 1. Total Maximum Daily Load (Sum of UBOD and SOD) for Bayou Grosse Tete

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA	0	1,471	0	1,471
Point Source Reserve MOS = 20%		368		368
Natural Nonpoint Source LA	0	7,270	0	5,627
Manmade Nonpoint Source LA	65	4,668	60	4,055
Manmade Nonpoint Source Reserve MOS Summer = 20% Winter = 20%		1,166		1,014
TMDL		14,943		12,535

***Note 1: UBOD as stated in this allocation is Ultimate BOD.
UBOD to BOD_5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on BOD_5***

LDEQ will work with other agencies such as local Soil Conservation Districts to implement agricultural best management practices in the watershed through the 319 programs. LDEQ will also continue to monitor the waters to determine whether standards are being attained.

In accordance with Section 106 of the federal Clean Water Act and under the authority of the Louisiana Environmental Quality Act, the LDEQ has established a comprehensive program for monitoring the quality of the state's surface waters. The LDEQ Surveillance Section collects surface water samples at various locations, utilizing appropriate sampling methods and procedures for ensuring the quality of the data collected. The objectives of the surface water monitoring program are to determine the quality of the state's surface waters, to develop a long-term data base for water quality trend analysis, and to monitor the effectiveness of pollution controls. The data obtained through the surface water monitoring program is used to develop the state's biennial 305(b) report (*Water Quality Inventory*) and the 303 (d) list of impaired waters. This information is also utilized in establishing priorities for the LDEQ nonpoint source program.

The LDEQ is continuing to implement a watershed approach to surface water quality monitoring. In 2004 a four year sampling cycle replaced the previous five year cycle. Approximately one quarter of the states watersheds will be sampled in each year so that all of the states watersheds will be sampled within the four year cycle. This will allow the LDEQ to determine whether there has been any improvement in water quality following implementation of the TMDLs. As the monitoring results are evaluated at the end of each year, waterbodies may be added to or removed from the 303(d) list.

Table 2. Point Source TMDL Summary for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW (GPD)	MOS FLOW (GPD)	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5/ CBOD5, mg/L	NH3-N, mg/L			BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
Town of Livonia STP	167102/ 0124851	4/30/2015	1	155,000	10		NA	NA	NA		Not included in model but included in TMDL as part of the MOS
Town of Maringouin STP	42398 / LA0086771	09/01/2013	1	150,000	10		187,500	37,500	10		Included in model and TMDL
Union Pacific Railroad Co.	43693 / LAG530567	12/01/2012	1	3,080	30		3,850	770	30		Included in model and TMDL
David's Catering	87854 / LAG531142	12/01/2012	1	1,050	30		1,313	263	30		Included in model and TMDL
North Iberville Elementary and High School	41876 / LAG540386	07/01/2013	1	15,575	30		19,469	3,894	30		Included in model and TMDL
Louisiana Laborer's T&A Fund	38607 / LAG540442	07/01/2013	1	6,770	30		8,463	1,693	30		Included in model and TMDL
Lodging Enterprises Inc - Oak Tree Inn	42324 / LAG540485	07/01/2013	1	7,050	30		8,813	1,763	30		Included in model and TMDL
Valverda Elementary	42869 / LAG540583	07/01/2013	1	9,030	30		11,288	2,258	30		Included in model and TMDL
Bayou Truck Stop	20040 / LAG541027	07/01/2013	1	12,300	30		15,375	3,075	30		Included in model and TMDL
Village of Morganza STP	38208 / LA0020028	09/01/2009	1	125,000	10		156,250	31,250	10		Not in model but included in the TMDL
Reliable Prod Serv Ind - Livonia	25491 / LA0063941	03/01/2010	001 & 002	150,000	30		187,500	37,500	30		Not in model but included in the TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

Table 2 Continued. Point Source TMDL Summary for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW (GPD)	MOS FLOW (GPD)	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5/ CBOD5, mg/L	NH3-N, mg/L			BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
LaBarre Elementary	19324 / LAG530425	12/01/2012	1	4,680	30		5,850	1,170	30		Not in model but included in the TMDL
Grosse Tete Welcome Center	166611 / LAG533251	12/01/2012	1	60	45		75	15	45		Not in model but included in the TMDL
Pointe Coupee Central High School	42868 / LAG540580	07/01/2013	1	22,980	30		28,725	5,745	30		Not in model but included in the TMDL
Ewing's of Livonia LLC - LA Express #11	75773 / LAG541060	07/01/2013	1	7,680	30		9,600	1,920	30		Not in model but included in the TMDL
Livonia Travel Plaza	126000 / LAG541399	07/01/2013	1	9,020	30		11,275	2,255	30		Not in model but included in the TMDL
Village of Grosse Tete STP	41668 / LAG560105	06/01/2014	1	30,000	20		37,500	7,500	20		Not in model but included in the TMDL
Delta Place Subdivision STP	18928 / LAG570185	05/01/2014	1	70,000	10		87,500	17,500	10		Not in model but included in the TMDL
Pointe Coupee Parish Police Jury - Mandela WWTP	84033 / LAG570304	03/15/2009	1	35,000	10		43,750	8,750	10		Not in model but included in the TMDL
Cajun Land Properties LLC # 1	168380 / LAG533304	12/01/2012	1	3,000	30		3,750	750	30		Not in model but included in the TMDL
Wildgame Innovations LLC	168130 / LAG533411	11/30/2012	001 & 002	1,400	30		1,750	350	30		Not in model but included in the TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

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1. Introduction

The TMDL in this report was originally developed by LDEQ during 2006-2007 based on the DO criterion that was effective at that time (5.0 mg/L year round). The final report was dated July 3, 2007 and was approved by EPA. Since that time, the DO criterion for this subsegment has been revised to 2.3 mg/L for March through November and 5.0 mg/L for December through February. During 2010, this TMDL has been revised by FTN Associates, Ltd. to reflect the new DO criteria. This revision also incorporated changes in the inventory of point source dischargers since the 2007 report. Once the inventory of dischargers was revised, the calibrated model (unchanged from 2007) was rerun to simulate the impact from both point and nonpoint sources of oxygen demand on the level of DO under critical conditions for summer and winter. TMDLs for oxygen-demanding substances were recalculated based upon the new model results.

Bayou Grosse Tete appeared on the 2002 and 2004 303(d) lists. Bayou Grosse Tete, Subsegment 120104, was found to be "not supporting" its designated uses of primary contact recreation and fish and wildlife propagation. It was "fully supporting" its designated use of secondary contact recreation. The subsegment was subsequently scheduled for TMDL development with other listed waters in the Terrebonne Basin. The suspected cause of impairment was organic enrichment/low DO. This TMDL addresses the organic enrichment/low DO impairment.

A calibrated water quality model was developed for the watershed, which includes Bayou Portage (formerly Subsegment 120101) and Bayou Fordoche (formerly Subsegment 120101). During the Bayou Grosse Tete survey, there was no measureable flow from either Bayou Portage or Bayou Fordoche. It was determined that these two waterbodies were more accurately described as tributaries to Bayou Grosse Tete instead of significant waterbodies in their own right. Therefore, the drainage areas of Bayou Portage and Bayou Fordoche have been incorporated into subsegment 120104, Bayou Grosse Tete.

Summer and winter projections of Bayou Grosse Tete were modeled to quantify the point source and non-point source waste load reductions necessary in order for the bayou to comply with its established water quality standards and criteria. This report presents the results of those analyses.

2. Study Area Description

2.1 General Information

The Terrebonne Basin covers an area extending approximately 120 miles from the Mississippi River on the north to the Gulf of Mexico on the south. It varies in width from 18 miles to 70 miles. This basin is bounded on the west by the Atchafalaya River Basin and on the east by the Mississippi River and Bayou LaFourche. The topography of the entire basin is lowland, and all the land is subject to flooding except the natural levees along major waterways. The coastal portion of the basin is prone to tidal flooding and consists of marshes ranging from fresh to saline. (LDEQ, 1994)

Louisiana water quality subsegment 120104, Bayou Grosse Tete, is in the northern part of the Terrebonne Basin. The subsegment has a drainage area of 620.74 square kilometers (239.7 square miles). It is bounded on the north by the Mississippi River and False River, on the east by the Bayou Cholpe and Bayou Choctaw drainage areas, on the west by the East Atchafalaya Basin Protection Levee and the Bayou Maringouin drainage area and on the south by the Intracoastal Waterway and

the Upper Grand River drainage area. Bayou Grosse Tete begins at the False River Overflow Canal and flows westward for just under 5 kilometers to the confluence with Bayou Portage. It then turns southwest for 3 kilometers to the mouth of Bayou Fordoche. From this point, Bayou Grosse Tete continues in a southeast direction for approximately 45 kilometers before flowing into the Intracoastal Waterway.

A portion of the headwaters flows eastward and crosses the Torbert weir. This flow proceeds across the subsegment boundary and joins with Bayou Cholpe. Because this portion of the flow does not rejoin the Bayou Grosse Tete system, it has not been included as part of this model.

Table 3. Land Uses in Subsegment 120104, Bayou Grosse Tete

LAND USE	SQUARE KILOMETERS	PERCENT
Agriculture/Cropland/Grassland	330.92	53.31
Wetland Forest Deciduous	244.67	39.42
Water	24.87	4.01
Vegetated Urban	7.60	1.22
Wetland S/S Mixed	6.96	1.12
Upland Forest Evergreen	1.86	0.30
Upland Forest Deciduous	1.28	0.21
Wetland S/S Deciduous	0.92	0.15
Upland S/S Mixed	0.60	0.10
Upland Forest Mixed	0.44	0.07
Fresh Marsh	0.31	0.05
Non-Vegetated Urban	0.19	0.03
Upland S/S Deciduous	0.06	0.01
Upland S/S Evergreen	0.05	0.01
Wetland Barren	0.01	0.00
Total	620.74	100%

Figure 1. Vector Diagram for Bayou Grosse Tete

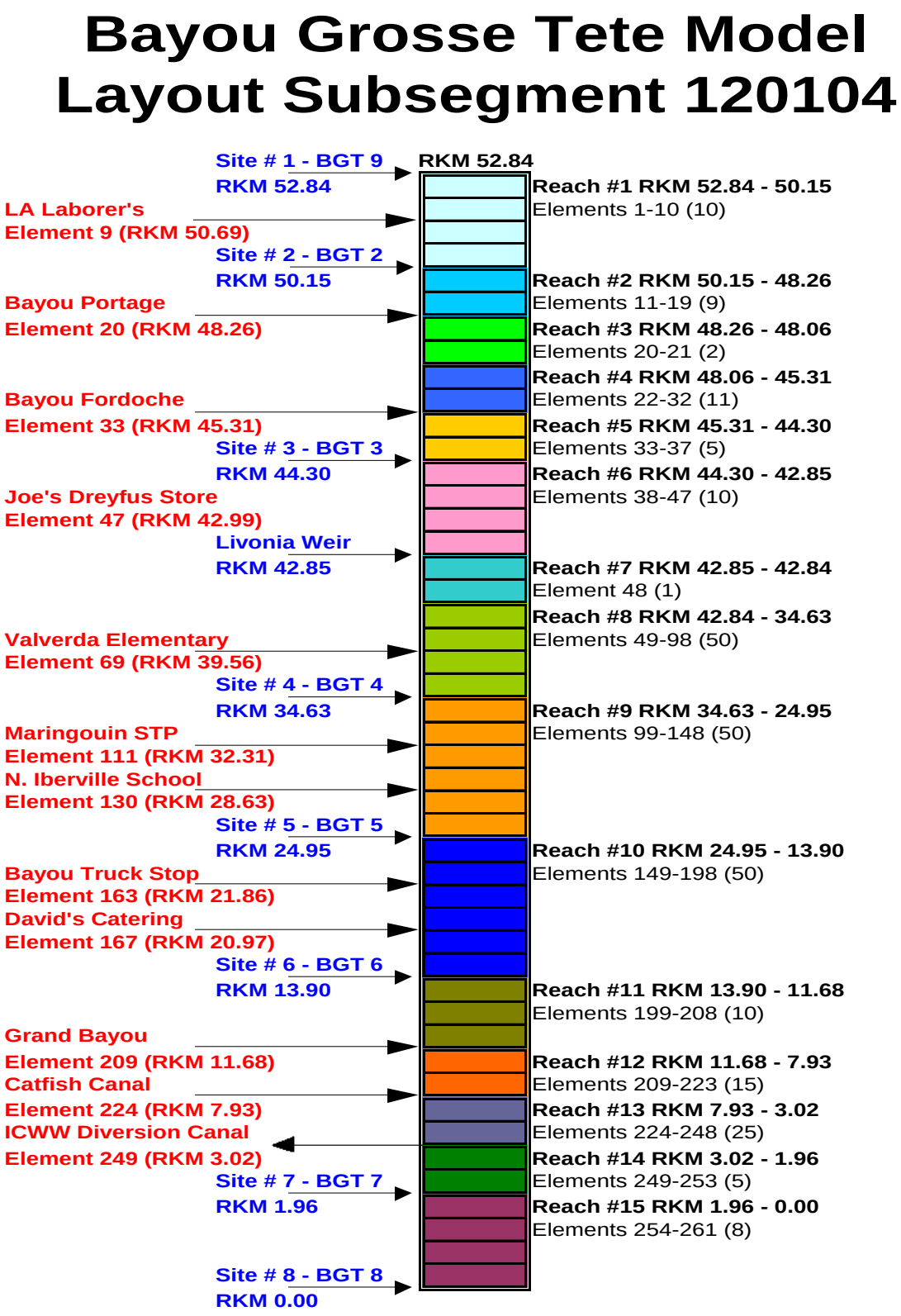


Figure 2. Map of Northern Bayou Grosse Tete Study Area

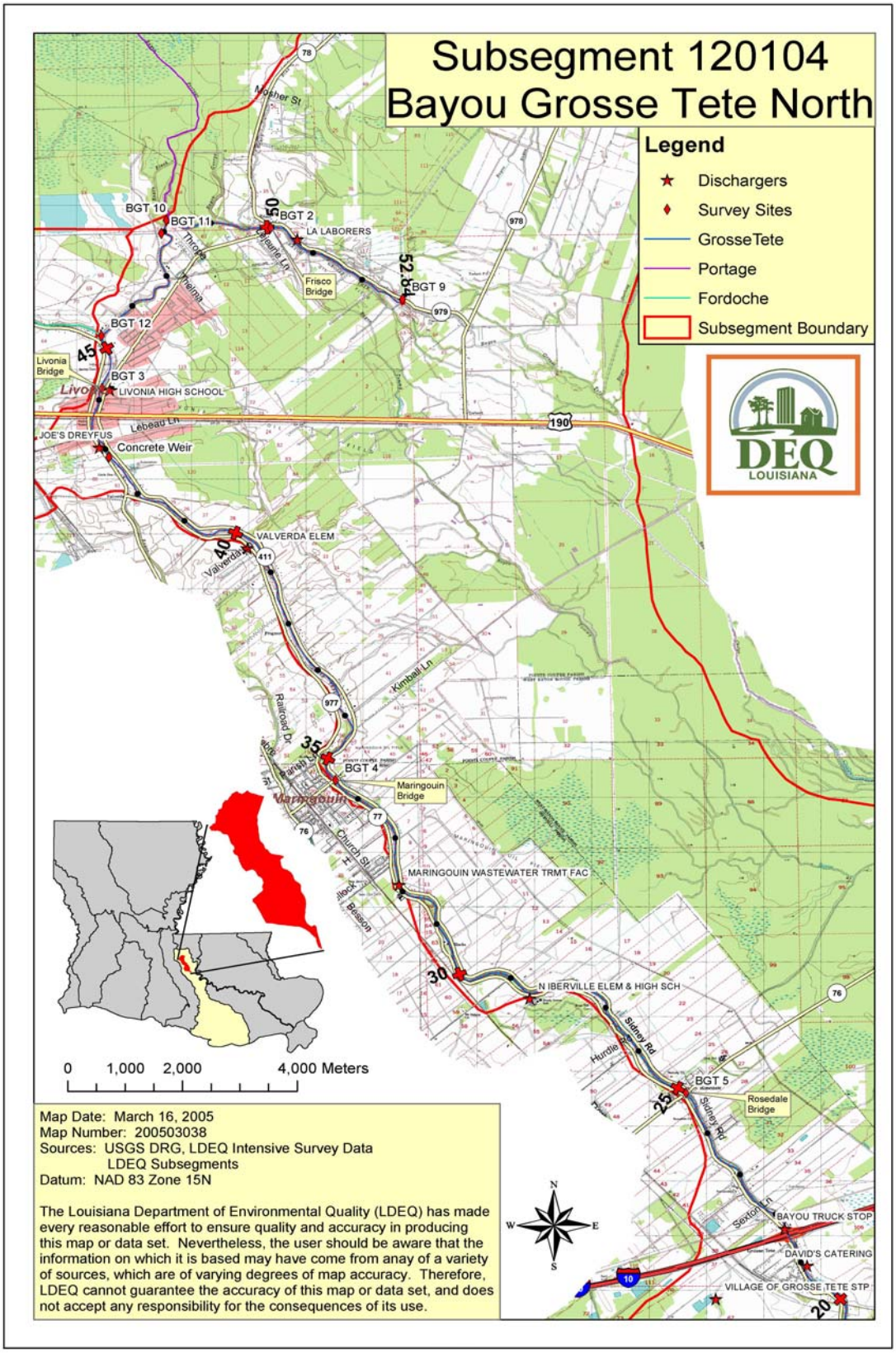


Figure 3. Map of Southern Bayou Grosse Tete Study Area

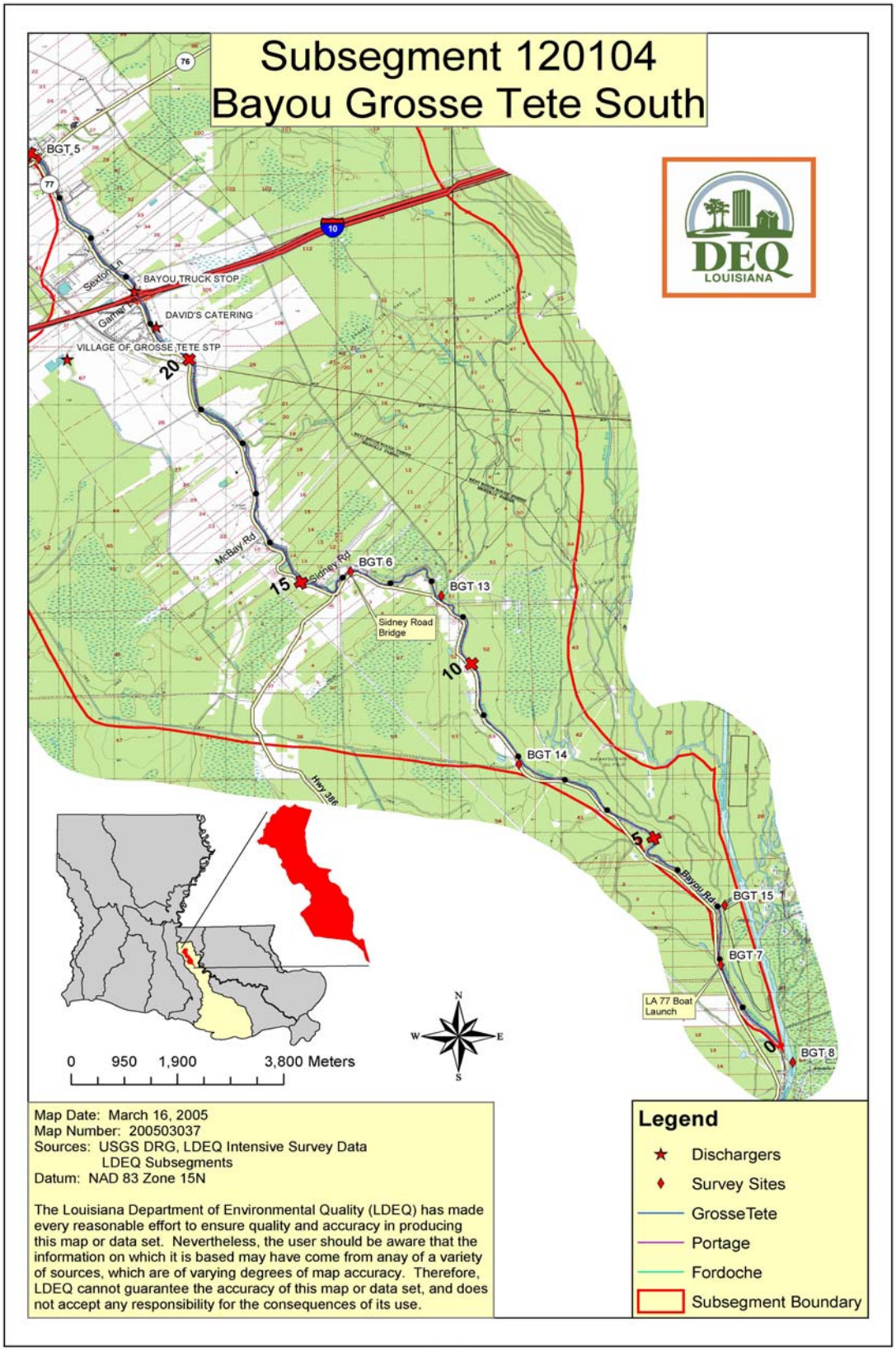
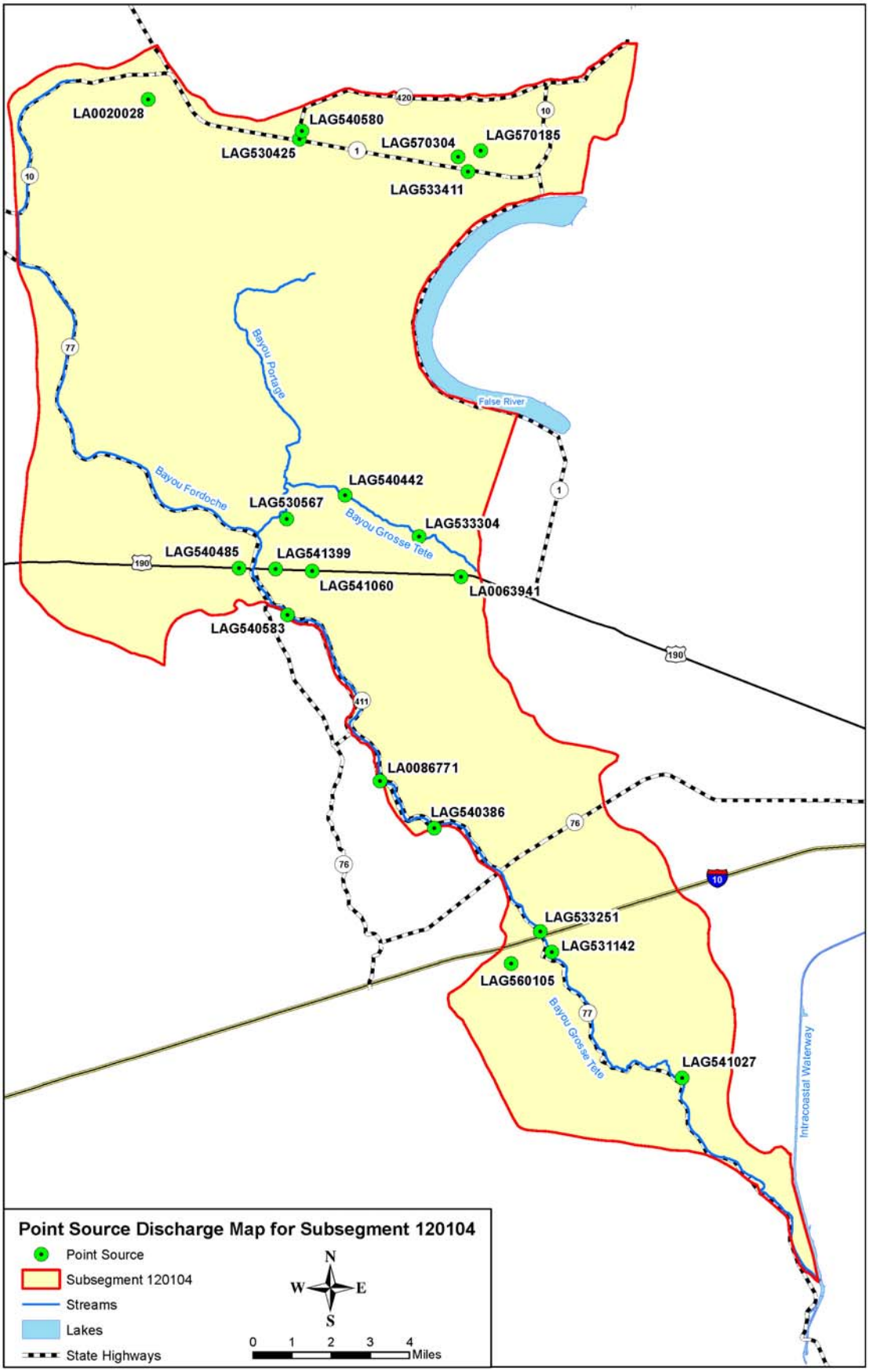


Figure 4. Point Source Discharge Map



2.2 Water Quality Standards

The Water Quality criteria and designated uses for the Bayou Grosse Tete watershed are shown in Table 4.

Table 4. Water quality numeric criteria and designated uses (LDEQ 2010b).

Subsegment	120104
Stream Description	Bayou Grosse Tete
Designated Uses	A, B, C
Criteria:	
C1	25 mg/L
SO_4	25 mg/L
DO	5.0 mg/L Dec. – Feb. ; 2.3 mg/L Mar. – Nov.
pH	6.0-8.5 su
Bacteria	Note 1
Temp.	32°C
TDS	200 mg/L

USES: A – primary contact recreation; B - secondary contact recreation; C – propagation of fish and wildlife; D – drinking water supply; E – oyster propagation; F – agriculture; G – outstanding natural resource water; L – limited aquatic life and wildlife use.

Note 1 – 200 colonies/100mL maximum log mean and no more than 25% of samples exceeding 400 colonies/100mL for the period May through October; 1,000 colonies/100mL maximum log mean and no more than 25% of samples exceeding 2,000 colonies/100mL for the period November through April.

2.3 Wastewater Discharges

Research of LDEQ's TEMPO database and Electronic Document Management System (EDMS) indicated that 21 facilities are permitted to discharge biochemical-oxygen demanding substances (BOD) within subsegment 120104. The point source facilities in the Bayou Grosse Tete subsegment were evaluated based on the volume and type of discharge, location relative to the listed waterbody, and best professional judgment. Delta Place Subdivision STP, Mandela WWTP, Village of Morganza STP, and Pointe Coupee Central High School all discharge into Bayou Portage and are assumed to have no impact on Bayou Grosse Tete due to the distance traveled. The Village of Grosse Tete STP was judged to have no impact because it discharges into the headwaters of Catfish Canal and travels approximately thirteen and a half kilometers before reaching Bayou Grosse Tete. These dischargers are accounted for as nonpoint loading through the process of calibration. They fall within one of several state or regional policies that govern permit limitations. The remaining facilities discharge directly into Bayou Grosse Tete and were included in the model. Current permit information was reviewed for all dischargers. A list of facilities is shown below in Table 5.

Table 5. Discharger Inventory for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	OUTFALL DESCRIP-TION	FACILITY TYPE	RECEIVING WATER	EXPECTED FLOW GPD	MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
								BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
Town of Livonia STP	167102/ 0124851	4/30/2015	1	Sanitary sewage	Municipal WWTP	Bayou Grosse Tete	NA	10		Not included in model but included in TMDL as part of the MOS
Town of Maringouin STP	42398 / LA0086771	09/01/2013	1	Sanitary sewage	Municipal WWTP	Bayou Grosse Tete	150,000	10		Flow listed in EDMS Document ID: 42867501 Page 5
Union Pacific Railroad Co.	43693 / LAG530567	12/01/2012	1	Sanitary sewage	Private WWTP	Bayou Grosse Tete	3,080	30		Flow listed in EDMS Document ID: 17721860 Page 1
David's Catering	87854 / LAG531142	12/01/2012	1	Sanitary sewage	Restaurant	Unnamed ditch-Bayou Grosse Tete	1,050	30		Flow listed in EDMS Document ID: 19304718 Page 22
North Iberville Elementary and High School	41876 / LAG540386	07/01/2013	1	Sanitary sewage	Public school	Unnamed ditch-Bayou Grosse Tete	15,575	30		Flow listed in EDMS Document ID: 17965115 Page 34
Louisiana Laborer's T&A Fund	38607 / LAG540442	07/01/2013	1	Sanitary sewage	Training facility	Bayou Grosse Tete	6,770	30		Flow listed in EDMS Document ID: 17954473 Page 1
Lodging Enterprises Inc - Oak Tree Inn	42324 / LAG540485	07/01/2013	1	Sanitary sewage	Hotel	East Atchafalaya Basin Protection levee	7,050	30		Flow listed in EDMS Document ID: 18032731 Page 1
Valverda Elementary	42869 / LAG540583	07/01/2013	1	Sanitary sewage	Public school	Bayou Grosse Tete	9,030	30		Flow listed in EDMS Document ID: 18030936 Page 1
Bayou Truck Stop	20040 / LAG541027	07/01/2013	1	Sanitary sewage	Truck stop and restaurant	Unnamed ditch-Bayou Grosse Tete	12,300	30		Flow listed in EDMS Document ID: 20129502 Page 34
Village of Morganza STP	38208 / LA0020028	09/01/2009	1	Sanitary sewage	Municipal WWTP	Bayou Grosse Tete	125,000	10		Too small/too far away

* NOTE: No permit limits need to be modified as a result of this TMDL.

Table 5 Continued. Discharger Inventory for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	OUTFALL DESCRIP-TION	FACILITY TYPE	RECEIVING WATER	EXPECTED FLOW GPD	MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
								BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
Reliable Prod Serv Ind - Livonia	25491 / LA0063941	03/01/2010	001 & 002	Sanitary sewage	Private WWTP	Bayou Grosse Tete	150,000	30		Too small/too far away
LaBarre Elementary	19324 / LAG530425	12/01/2012	1	Sanitary sewage	Public school	Bayou Grosse Tete	4,680	30		Too small/too far away
Grosse Tete Welcome Center	166611 / LAG533251	12/01/2012	1	Sanitary sewage	Private WWTP	Bayou Grosse Tete	60	45		Too small/too far away
Pointe Coupee Central High School	42868 / LAG540580	07/01/2013	1	Sanitary sewage	Public school	Bayou Portage	22,980	30		Too small/too far away
Ewing's of Livonia LLC - LA Express #11	75773 / LAG541060	07/01/2013	1	Sanitary sewage	Private WWTP	Bayou Grosse Tete	7,680	30		Too small/too far away
Livonia Travel Plaza	126000 / LAG541399	07/01/2013	1	Sanitary sewage	Private WWTP	Bayou Grosse Tete	9,020	30		Too small/too far away
Village of Grosse Tete STP	41668 / LAG560105	06/01/2014	1	Sanitary sewage	Municipal WWTP	Catfish Canal-Bayou Grosse Tete	30,000	20		No impact – Not modeled
Delta Place Subdivision STP	18928 / LAG570185	05/01/2014	1	Sanitary sewage	Municipal WWTP	Unnamed ditch-Portage Canal #1	70,000	10		Too small/too far away
Pointe Coupee Parish Police Jury - Mandela WWTP	84033 / LAG570304	03/15/2009	1	Sanitary sewage	Private WWTP	Portage Canal	35,000	10		Too small/too far away
Cajun Land Properties LLC # 1	168380 / LAG533304	12/01/2012	1	Sanitary sewage	Private WWTP	Bayou Grosse Tete	3,000	30		Too small/too far away
Wildgame Innovations LLC	168130 / LAG533411	11/30/2012	001 & 002	Sanitary sewage	Private WWTP	Portage Canal	1,400	30		Too small/too far away

* NOTE: No permit limits need to be modified as a result of this TMDL.

One facility, the Town of Livonia was permitted to discharge on May 1, 2010. This is a new facility that is servicing a previously unsewered community. Personnel responsible for the revision of this TMDL were unaware of the facility until October, 2010. This facility was not modeled and was not included in the TMDL calculations as an individual point source WLA. The maximum loading provided by this facility is approximately 30 lbs/day, based on a flow of 0.155 MGD and the current permit limit for BOD_5 of 10 mg/L. This loading is within the MOS of 368 lb/day. LDEQ believes this facility may be contributing to a load reduction. For the aforementioned reasons, LDEQ believes that this facility is adequately covered within the MOS of this TMDL, and should remain at the current permit limits.

2.4 Water Quality Conditions/Assessment

Subsegment 120104, Bayou Grosse Tete, is not supporting its designated uses of primary contact recreation and fish and wildlife propagation. It is fully supporting its designated use of secondary contact recreation. The impairment is believed to be caused by organic enrichment/low DO. Bayou Grosse Tete appears on the 2002 and 2004 303(d) lists and was scheduled for TMDL development with other listed waterbodies in the Terrebonne Basin.

2.5 Prior Studies

There have been no prior TMDL studies on the Bayou Grosse Tete system.

3. Documentation Calibration Model

3.1 Program Description

"Simulation models are used extensively in water quality planning and pollution control. Models are applied to answer a variety of questions, support watershed planning and analysis and develop total maximum daily loads (TMDLs). . . . Receiving water models simulate the movement and transformation of pollutants through lakes, streams, rivers, estuaries, or near shore ocean areas. . . . Receiving water models are used to examine the interactions between loadings and response, evaluate loading capacities (LCs), and test various loading scenarios. . . . A fundamental concept for the analysis of receiving waterbody response to point and nonpoint source inputs is the principle of mass balance (or continuity). Receiving water models typically develop a mass balance for one or more constituents, taking into account three factors: transport through the system, reactions within the system, and inputs into the system." (EPA841-b-97-006, pp. 1-30)

The model used for this TMDL was LA-QUAL, a steady-state one-dimensional water quality model. LA-QUAL has the mechanisms for incorporating dams and weirs in the analysis and was particularly suitable for use in modeling the Bayou Portage, Bayou Fordoche and Bayou Grosse Tete systems. LA-QUAL history dates back to the QUAL-I model developed by the Texas Water Development Board with Frank D. Masch & Associates in 1970 and 1971. William A. White wrote the original code.

In June, 1972, the United States Environmental Protection Agency awarded Water Resources Engineers, Inc. (now Camp Dresser & McKee) a contract to modify QUAL-I for application to the

Chattahoochee-Flint River, the Upper Mississippi River, the Iowa-Cedar River, and the Santee River. The modified version of QUAL-I was known as QUAL-II.

Over the next three years, several versions of the model evolved in response to specific client needs. In March, 1976, the Southeast Michigan Council of Governments (SEMCOG) contracted with Water Resources Engineers, Inc. to make further modifications and to combine the best features of the existing versions of QUAL-II into a single model. That became known as the QUAL-II/ SEMCOG version.

Between 1978 and 1984, Bruce L. Wiland with the Texas Department of Water Resources modified QUAL-II for application to the Houston Ship Channel estuarine system. Numerous modifications were made to enable modeling this very large and complex system including the addition of tidal dispersion, lower boundary conditions, nitrification inhibition, sensitivity analysis capability, branching tributaries, and various input/output changes. This model became known as QUAL-TX and was subsequently applied to streams throughout the State of Texas.

In 1999, the Louisiana Department of Environmental Quality and Wiland Consulting, Inc. developed LA-QUAL based on QUAL-TX Version 3.4. The program was converted from a DOS-based program to a Windows-based program with a graphical interface and enhanced graphic output. Other program modifications specific to the needs of Louisiana and the Louisiana DEQ were also made. LA-QUAL is a user-oriented model and is intended to provide the basis for evaluating total maximum daily loads in the State of Louisiana.

The development of a TMDL for dissolved oxygen generally occurs in 3 stages. Stage 1 encompasses the data collection activities. These activities may include gathering such information as stream cross-sections, stream flow, stream water chemistry, stream temperature and dissolved oxygen at various locations on the stream, location of the stream centerline and the boundaries of the watershed which drains into the stream, and other physical and chemical factors which are associated with the stream. Additional data gathering activities include gathering all available information on each facility which discharges pollutants into the stream, gathering all available stream water quality chemistry and flow data from other agencies and groups, gathering population statistics for the watershed to assist in developing projections of future loadings to the water body, land use and crop rotation data where available, and any other information which may have some bearing on the quality of the waters within the watershed. During Stage 1, any data available from reference or least impacted streams which can be used to gauge the relative health of the watershed is also collected.

Stage 2 involves organizing all of this data into one or more useable forms from which the input data required by the model can be obtained or derived. Water quality samples, field measurements, and historical data must be analyzed and statistically evaluated in order to determine a set of conditions which have actually been measured in the watershed. The findings are then input to the model. Best professional judgment is used to determine initial estimates for parameters which were not or could not be measured in the field. These estimated variables are adjusted in sequential runs of the model until the model reproduces the field conditions which were measured. In other words, the model produces a value of dissolved oxygen, temperature, or other parameter which matches the measured value within an acceptable margin of error at the locations along the stream where the measurements were actually made. When this happens, the model is said to be calibrated to the actual stream conditions. At this point, the model should confirm that there is an impairment and give some indications of the causes of the impairment. If a second set of measurements is available for slightly

different conditions, the calibrated model is run with these conditions to see of the calibration holds for both sets of data. When this happens, the model is said to be verified.

Stage 3 covers the projection modeling which results in the TMDL. The critical conditions of flow and temperature are determined for the waterbody and the maximum pollutant discharge conditions from the point sources are determined. These conditions are then substituted into the model along with any related condition changes which are required to perform worst case scenario predictions. At this point, the loadings from the point and nonpoint sources (increased by an acceptable margin of safety) are run at various levels and distributions until the model output shows that dissolved oxygen criteria are achieved. It is critical that a balanced distribution of the point and nonpoint source loads be made in order to predict any success in future achievement of water quality standards. At the end of Stage 3, a TMDL is produced which shows the point source permit limits and the amount of reduction in man-made nonpoint source pollution which must be achieved to attain water quality standards. The man- made portion of the NPS pollution is estimated from the difference between the calibration loads and the loads observed on reference or least impacted streams.

3.2 Input Data Documentation

Data collected during an intensive survey from September 24-26, 2001 was used to establish the input for the Bayou Grosse Tete model calibration. This data is presented in Appendix F. The flow in each reach, headwater, and unmodeled tributary was determined based on the survey discharge measurements, the flow balance at selected sampling stations, the drainage area associated with each flow, and a determination of appropriate incremental nonpoint source flow rates in terms of cms/mile. Best professional judgment was used to determine where similar streams concepts could be used. Flow determinations are presented in Appendix F2.

Field and laboratory water quality data from the Bayou Grosse Tete intensive survey were entered in a spreadsheet for analysis. The Louisiana GSBOD program was applied to the BOD data in a separate spreadsheet and values were computed and compiled for ultimate BOD, BOD decay rate and BOD Lag.

This data was the primary source for the model input data for initial conditions; decay rates; incremental temperature, DO, and BOD; headwater temperature and DO; and wasteload data. Two other sources of data also figured prominently in developing the input data set: reference stream data and previous determinations of nonpoint source loadings for several heavily impacted streams. As shown in Figure 5, the DO during the time of the survey was below 5 mg/L in Bayou Grosse Tete.

3.2.1 Model Schematics and Maps

A vector diagram of the modeled area is presented in Figure 1. The vector diagram shows the locations of survey stations, the reach/element design, and the locations of the tributaries contributing flow but not modeled. ARCVIEW maps of the stream and subsegment showing river kilometers, survey stations, drainage area boundaries and other points of interest are presented in Figures 2 and 3. An overview map of the entire watershed is presented in Appendix K.

3.2.2 Model Options, Data Type 2

For the Bayou Grosse Tete calibration process, four constituents were modeled. These were chlorides, sulfates, dissolved oxygen, and biochemical oxygen demand. Chlorophyll A and temperature were not modeled but were input into the initial conditions. This allowed the effects of temperature and chlorophyll A to reflect in the model without running a thermal or full nutrient model.

3.2.3 Program Constants, Data Type 3

Some changes were made to the default program constants defined in data type 3. The maximum iteration limit was increased from 100 to 1000 iterations to allow for convergence of oxygen dependant rates. KL minimum, the minimum reaeration rate, was changed from a default of 0.6 m/day to 0.7 m/day. The change is to reflect the conversion of 2.3 ft/day to m/day as recommended in the LDEQ TMDL Technical Procedures Manual (known as the "LTP") (Waldon et al, 2005).

Inhibition control value was changed from the default of option 4 to option 3. This sets all decay rates except for sediment oxygen demand (SOD) to be inhibited based on dissolved oxygen levels. This change is a result of recent discussion within the modeling group and consultation with outside modelers on whether SOD should be inhibited by low dissolved oxygen levels.

The hydraulic calculation method was set to option 2 or “widths and depths.” This was done because the low slopes in these waterbodies cause a substantial amount of water to be present in some reaches during critical flow.

Effective BOD Due to Algae was set to a value of 0.15. LDEQ practice for waterbodies with high algal influence is to set Algae Oxygen Production to zero and calibrate to DO values of 1 mg/L above the minimum measured values. This is done to reflect conditions at which there is no net contribution to the DO concentration due to algal photosynthesis or respiration.

3.2.4 Temperature Correction of Kinetics, Data Type 4

The temperature values computed are used to correct the rate coefficients in the source/sink terms for the other water quality variables. These coefficients are input at 20 °C and are then corrected to temperature using the following equation:

$$X_T = X_{20} * \text{Theta}^{(T-20)}$$

Where:

X_T = the value of the coefficient at the local temperature T in degrees Celsius
X_{20} = the value of the coefficient at the standard temperature at 20 degrees Celsius
Theta = an empirical constant for each reaction coefficient

In the absence of specified values for data type 4, the model uses default values. A complete listing of these values can be found in the LA-QUAL for Windows User’s Manual (LDEQ, 2003).

3.2.5 Reach Identification Data, Data Type 8

The reach and element breakdown was determined using physical data from the survey, aerial photography and USGS quad maps. The calibration for the Bayou Grosse Tete system consisted of one headwater, one weir, four wasteloads from unmodeled tributaries, one distributary, no point source wasteloads, and fifteen reaches consisting of two hundred sixty-one elements. The listed permitted facilities were not included in the calibration because it was determined during the survey that none were flowing. The projection models for Bayou Grosse Tete are slightly different, containing seven point source wasteloads.

3.2.6 Advective Hydraulic Coefficients, Data Type 9

Widths and depths were entered as constants due to the low slopes within the modeled subsegments. Information came from cross-section measurements at survey sites. For reaches between survey sites, interpolation was used to estimate width and depth values. Hydraulic determinations are presented in Appendix F2.

3.2.7 Initial Conditions, Data Type 11

The initial conditions are used to reduce the number of iterations required by the model and to set values for constituents not directly modeled. Values needed for the Bayou Grosse Tete model were DO, temperature and chlorophyll A by reach. The input values came from the survey station located closest to the reach.

3.2.8 Reaeration Rates, Sediment Oxygen Demand and BOD Coefficients, Data Type 12

The Louisiana reaeration equation was chosen for the majority of reaches in the Bayou Grosse Tete model. Reaches nine to thirteen, which covers the area from the town of Maringouin to the Intracoastal Waterway diversion channel, have a depth that is greater than the suggested range for the Louisiana equation. For these reaches, the Owens-Edwards-Gibbs equation was used.

The SOD values were achieved through calibration of the model. SOD values for Bayou Grosse Tete start at a low to moderate value in the headwaters area and climb to high values throughout the rest of the upper reaches. As the stream gets deeper, the SOD falls to a value of roughly 2 g/m^2/day until reaching the ICWW diversion. Beyond this point, depth decreases drastically and SOD values rise. The SOD value for each reach is shown in Appendix B3.

The decay rates used for Bayou Grosse Tete were based on the bottle rates from the September, 2001 survey. The measured rates for CBOD1, CBOD2 and NBOD were compiled into a weighted average total decay rate. The decay and settling rates used for each reach are shown in Appendix B3.

3.2.9 Incremental Conditions, Data Types 16, 17, and 18

Incremental conditions were used in the calibration to represent nonpoint source loads associated with flows. These flows represent a combination of surface runoff, small tributaries that were not surveyed, and local drainage. Incremental outflow and inflow was also used in the Bayou Grosse Tete model to account for suspected bank flow under and around the weir at reach seven. The data for each reach are presented in Appendix B3.

3.2.10 Nonpoint Sources, Data Type 19

Nonpoint source loads which are not associated with a flow are input into this part of the model. These can be most easily understood as resuspended load from the bottom sediments and are modeled as SOD, CBOD and NBOD loads. Over the years LDEQ has collected data on heavily impacted streams in Louisiana. These data were reviewed and summarized by Smythe and Waldon. LDEQ also determined these types of loading as part of the Reference Stream work and these loads have also been used to determine some of the input data. In general the total NPS load exceeds the reference stream load. The manmade portion of the NPS loading is the difference between the calibration load and the reference stream load where the calibration load is higher. The data are presented in Appendix B3.

3.2.11 Headwaters, Data Types 20, 21, and 22

Values for the headwaters of Bayou Grosse Tete came from site BGT9 during the September, 2001 survey. Sulfate concentration was adjusted from the survey data due to the fact that concentrations both upstream (BGT1A and BGT1B) and downstream (BGT2) from the False River Overflow Canal were significantly lower than indicated at site BGT9. The BOD value entered for the headwaters is the combined total of CBOD1, CBOD2 and NBOD from site BGT9. The data are presented in Appendix B3.

3.2.12 Wasteloads, Data Types 24, 25, and 26

A discharger inventory listed eight permitted facilities flowing into the Bayou Grosse Tete system. The Village of Grosse Tete STP discharges to the headwaters of Catfish Canal and was assumed to be fully recovered before reaching Bayou Grosse Tete. The Town of Maringouin STP was not completed at the time of the survey and it was determined that none of the other facilities were currently discharging, so no point source wasteloads were included in the calibration model. The Bayou Grosse Tete calibration model had four tributaries and one distributary. There were no measurable flows for Bayou Portage and Bayou Fordoche during the September, 2001 survey, so flows were determined by modeler judgment based on dischargers and wetland/swamp areas within the Bayou Portage drainage system, and calibration to downstream flow measurements. All other input data came from sites located at each tributary. The Intracoastal Waterway diversion functions as a distributary of the Bayou Grosse Tete system. The majority of flow travels through this diversion to reach the ICWW. The data are presented in Appendix B3.

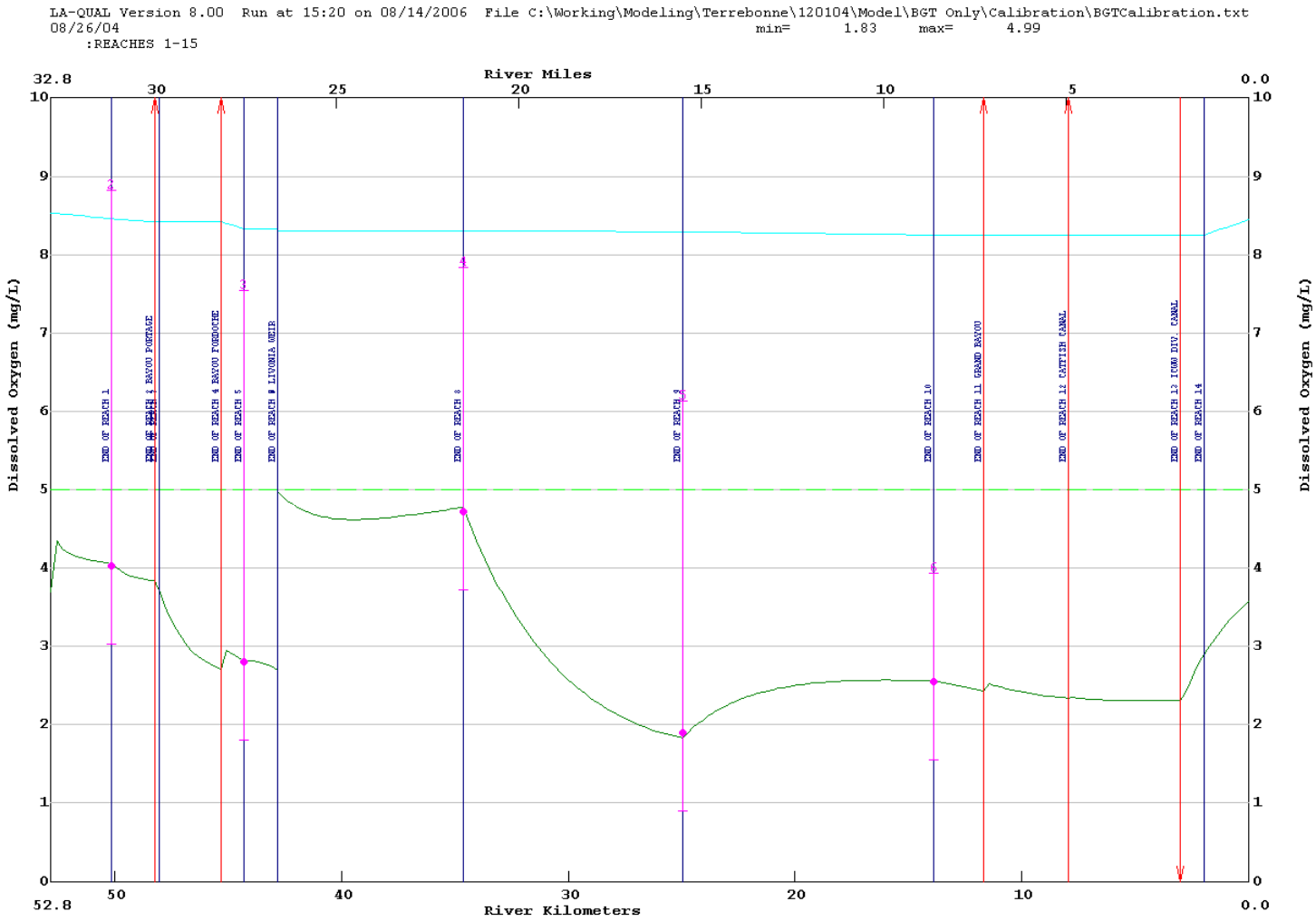
3.2.13 Boundary Conditions, Data Type 27

The lower boundary conditions were assumed to be equivalent to the measurements taken at survey station BGT8 for the Bayou Grosse Tete model.

3.2.14 Dam Data, Data Type 28

A weir is located on Bayou Grosse Tete south of the town of Livonia, LA. This weir makes up reach number seven and the input data was gathered from the physical properties of the weir and field observation.

Figure 5. Calibration Model Dissolved Oxygen versus River Kilometer, Bayou Grosse Tete



3.3 Model Discussion and Results

Input and output from the calibration model are presented in Appendix B1. The overlay plotting option was used to determine if calibration had been achieved. A plot of the dissolved oxygen concentration versus river kilometer is presented in Figure 5.

Bayou Grosse Tete had a good calibration to flow, effective BOD, DO, and chlorophyll A. An acceptable calibration was achieved for chlorides and sulfates. Output from the calibration model shows that Bayou Grosse Tete was below 5.0 mg/L of DO at any point in the modeled reaches.

4. Water Quality Projections

4.1 Critical Conditions, Seasonality and Margin of Safety

The Clean Water Act requires the consideration of seasonal variation of conditions affecting the constituent of concern, and the inclusion of a margin of safety (MOS) in the development of a TMDL. For the TMDL covering Bayou Grosse Tete, an analysis of LDEQ ambient data has been employed to determine critical seasonal conditions and an appropriate margin of safety.

Critical conditions for dissolved oxygen were determined for Bayou Grosse Tete using water quality data from the bayou on the LDEQ Ambient Monitoring Network. The 90^{th} percentile temperature for each season and the corresponding 90% of saturation DO was determined for the bayou. Ambient temperature data, critical temperature and DO saturation determinations are shown in Appendix E3. Graphical and regression analysis techniques have been used by LDEQ historically to evaluate the temperature and dissolved oxygen data from the Ambient Monitoring Network and run-off determinations from the Louisiana Office of Climatology water budget. Since nonpoint loading is conveyed by run-off, this was a reasonable correlation to use. Temperature is strongly inversely proportional to dissolved oxygen and moderately inversely proportional to run-off. Dissolved oxygen and run-off are also moderately directly proportional. The analysis concluded that the critical conditions for stream dissolved oxygen concentrations were those of negligible nonpoint run-off and low stream flow combined with high stream temperature.

When the rainfall run-off (and non-point loading) and stream flow are high, turbulence is higher due to the higher flow and the temperature is lowered by the run-off. In addition, run-off coefficients are higher in cooler weather due to reduced evaporation and evapotranspiration, so that the high flow periods of the year tend to be the cooler periods. Reaeration rates and DO saturation are, of course, much higher when water temperatures are cooler, but BOD decay rates are much lower. For these reasons, periods of high loading are periods of higher reaeration and dissolved oxygen but not necessarily periods of high BOD decay.

This phenomenon is interpreted in TMDL modeling by assuming that nonpoint loading associated with flows into the stream are responsible for the benthic blanket which accumulates on the stream bottom and that the accumulated benthic blanket of the stream, expressed as SOD and/or resuspended BOD in the calibration model, has reached steady state or normal conditions over the long term and that short term additions to the blanket are off set by short term losses. This accumulated loading has its greatest impact on the stream during periods of higher temperature and lower flow. The manmade portion of the NPS loading is the difference between the calibration load and the reference stream load where the calibration load is higher. The only mechanism for changing this normal benthic

blanket condition is to implement best management practices and reduce the amount of nonpoint source loading entering the stream and feeding the benthic blanket.

Critical season conditions were simulated in the dissolved oxygen TMDL projection modeling by using the default flows from the Louisiana Technical Procedures Manual, and the 90th percentile temperature for the modeled waterbody. Incremental flow was assumed to be zero; model loading was from perennial tributaries, sediment oxygen demand, and resuspension of sediments.

In reality, the highest temperatures occur in July-August, the lowest stream flows occur in October-November, and the maximum point source discharge occurs following a significant rainfall, i.e., high-flow conditions. The summer projection model is established as if all these conditions happened at the same time. The winter projection model accounts for the seasonal differences in flows and BMP efficiencies. Other conservative assumptions regarding rates and loadings are also made during the modeling process. In addition to the conservative measures, an explicit MOS of 20% was used for all loads to account for future growth, safety, model uncertainty and data inadequacies.

4.2 Input Data Documentation

The flow in each headwater and unmodeled tributary was set at 0.1 cfs = 0.00283 cms for summer critical conditions in accordance with the LTP (LDEQ 2010a). The flow in each headwater and unmodeled tributary was set at 1.0 cfs = 0.0283 cms for winter critical conditions in accordance with the LTP (LDEQ 2010a).

4.2.1 Model Options, Data Type 2

Two constituents were modeled during the projection process. These were dissolved oxygen and biochemical oxygen demand.

4.2.2 Program Constants, Data Type 3

The Algae Oxygen Production constant was set back to the default value for the Bayou Grosse Tete projection models.

4.2.3 Temperature Correction of Kinetics, Data Type 4

The temperature correction factors specified in the LTP are entered in the model (LDEQ 2010a).

4.2.4 Reach Identification Data, Data Type 8

The reach-element design from the calibration was used in the projection modeling.

4.2.5 Advective Hydraulic Coefficients, Data Type 9

The stream width and depth values from the calibration were used in the projection modeling.

4.2.6 Initial Conditions, Data Type 11

The initial conditions were set to the 90th percentile critical season temperature in accordance with the LTP (LDEQ 2010a). The dissolved oxygen values for the initial conditions were set to 90% of the DO saturation value for the given temperature. Chlorophyll A concentrations were set at 10 micrograms per liter in the Bayou Grosse Tete projections to represent an estimate of algae presence when stream conditions are closer to meeting criteria.

4.2.7 Reaeration Rates and BOD Decay and Settling Rates, Data Type 12

The reaeration rate equations, BOD decay and settling rates, and the fractions converting settled BOD to SOD were not changed from the calibration.

4.2.8 Incremental Conditions, Data Types 16, 17, and 18

The incremental conditions were used in the calibration to represent nonpoint source loads associated with flows. For the projection runs, the incremental flows were set to zero to emulate the critical conditions for dissolved oxygen.

4.2.9 Sediment Oxygen Demand, Nonpoint Sources, Headwaters, Wasteloads, Data Type 12, 19, 20, 21, 22, 24, 25, and 26

The NPS values were calculated for each projection scenario using a load equivalent spreadsheet. An analysis was made of the calibration NPS and SOD loads in terms of total loading in units of gm-O_2/m^2/day and compared to the reference stream loads in the same terms (which accounted for the width differences between the reference and the modeled streams). Calibration values were used where they were smaller than the reference stream values. The same spreadsheet also calculated load reductions for the headwaters and wasteloads. The values and sources of the input data and the load analyses are presented in Appendix D for each of the projection runs.

LDEQ has collected and measured the CBOD and NBOD oxygen demand loading components for a number of years. These loads have been found in all streams including the non-impacted reference streams. It is LDEQ's opinion that much of this loading is attributable to run-off loads which are flushed into the stream during run-off events, and subsequently settle to the bottom in our slow moving streams. These benthic loads decay and breakdown during the year, becoming easily resuspended into the water column during the low flow/high temperature season. This season has historically been identified as the critical dissolved oxygen season.

LDEQ simulates part of the non-point source oxygen demand loading as resuspended benthic load and SOD. The calibrated non-point loads, UCBOD, UNBOD and SOD, are summed to produce the total calibrated benthic load. The total calibrated benthic load is then reduced by the total background benthic load (determined from LDEQ's reference stream research) to determine the total manmade benthic loading. The manmade portion is then reduced incrementally on a percentage basis to determine the necessary percentage reduction of manmade loading required to meet the water body's dissolved oxygen criteria. These reductions are applied uniformly to all reaches sharing similar hydrology and land uses.

Following the same protocol as the point source discharges, the total reduced manmade benthic load is adjusted for the margin of safety by dividing the value by one minus the margin of safety. This adjusted load is added back to the total background benthic value to obtain the total projection model benthic load. This total projection benthic load is then broken out into its components of SOD, resuspended CBOD and resuspended NBOD by multiplying the total projection benthic load by the ratio of each calibrated component to the total calibrated benthic load.

LDEQ has found variations in the breakdown of the individual CBOD and NBOD components. While the total BOD is reliable, the carbonaceous and nitrogenous component allocation is subject to the type of test method. In the past, LDEQ used a method which suppressed the nitrogenous component to obtain the carbonaceous component value, which was then subtracted from the total measured BOD to determine the nitrogenous value. The suppressant in this method was only reliable for twenty days thus leading to the assumption that the majority of the carbonaceous loading was depleted within that period of time. The test results supported this assumption. A new method was found in Standard Methods for testing long term BODs and was implemented in 2000. This new method was necessary because the nitrogen suppressant started failing around day seven and the manufacturer of the suppressant will only guarantee it's potency for a five day period. LDEQ felt a five day test would not adequately depict the water quality of streams.

This method is a sixty day test which measures the incremental total BOD of the sample while at the same time measuring the increase in nitrite/nitrate in the sample. This increase in nitrite/nitrate allows LDEQ to calculate the incremental nitrogenous portion by multiplying the increase by 4.57 to determine the NBOD daily readings. These NBOD daily readings are then subtracted from the daily reading for total BOD to determine the CBOD daily values. A curve fit algorithm is then applied to the daily component readings to obtain the estimated ultimate values of each component as well as the decay rate and lag times of the first order equations.

LDEQ has implemented the new test method over the last several survey seasons. The results obtained using the new method showed that a portion of the CBOD first order equation does begin to level off prior to the twentieth day, however a secondary CBOD component begins to use dissolved oxygen sometime between day ten and day twenty-five. This secondary CBOD component was not being assessed as CBOD using the previous method but was being included in the NBOD load. Thus the CBOD and NBOD component loading used in the reference stream studies is not consistent with the results using the new proposed 60 day method and the individual values should not be used to determine background values for samples processed using the new test methods. However, the sum of CBOD and NBOD should be about the same for both new and old test methods. For this reason LDEQ decided to use the sum of reference stream benthic loads as background values.

4.2.10 Boundary Conditions, Data Type 27

The lower boundary conditions were set at the 90^{th} percentile critical season temperature, the dissolved oxygen criteria, and the measured stream UBOD loads for all projections and scenarios. Chlorophyll A values were set to 10 micrograms per liter to represent an estimate of algae presence when stream conditions are closer to meeting criteria.

4.2.11 Dam Data, Data Type 28

The physical parameters of the weir south of Livonia did not change for the projections, and the values were not changed from the calibration model.

4.3 Model Discussion and Results

The projection model input and output data sets are presented in Appendix D.

4.3.1 Summer Projection

A summer critical season projection was run against the current DO standard of 2.3 mg/L from March through November for Bayou Grosse Tete. To meet the summer DO criterion in Bayou Grosse Tete required a 65% reduction to man-made loading. This yields a model output minimum DO of 2.34 mg/L. A graph of the dissolved oxygen concentration versus river kilometer for the summer projection is presented in Figure 6.

4.3.2 Winter Projection

A projection for the winter critical season was also run against the DO standard of 5.0 mg/L from December through February for Bayou Grosse Tete. Applying a 60% reduction to man-made loading in the winter season results in a minimum DO of 5.03 mg/L. A graph of the dissolved oxygen concentration versus river kilometer for the winter projection is presented in Figure 7.

4.4 Calculated TMDL, WLAs and LAs

4.4.1 Outline of TMDL Calculations

An outline of the TMDL calculations is provided to assist in understanding the calculations in the Appendices. Slight variances may occur based on individual cases.

4.4.1.1 The natural background benthic loading was estimated from reference stream resuspension (nonpoint CBOD and NBOD), and SOD load data.

4.4.1.2 The calibration man-made benthic loading was determined as follows:

- Calibration resuspension and SOD loads were summed for each reach as gm O_2/m^2-day to get the calibration benthic loading.

- The natural background benthic loading was subtracted from the calibration benthic loading to obtain the man-made calibration benthic loading.

Figure 6. Bayou Grosse Tete Summer Projection at 65% Removal of Man-Made Loads

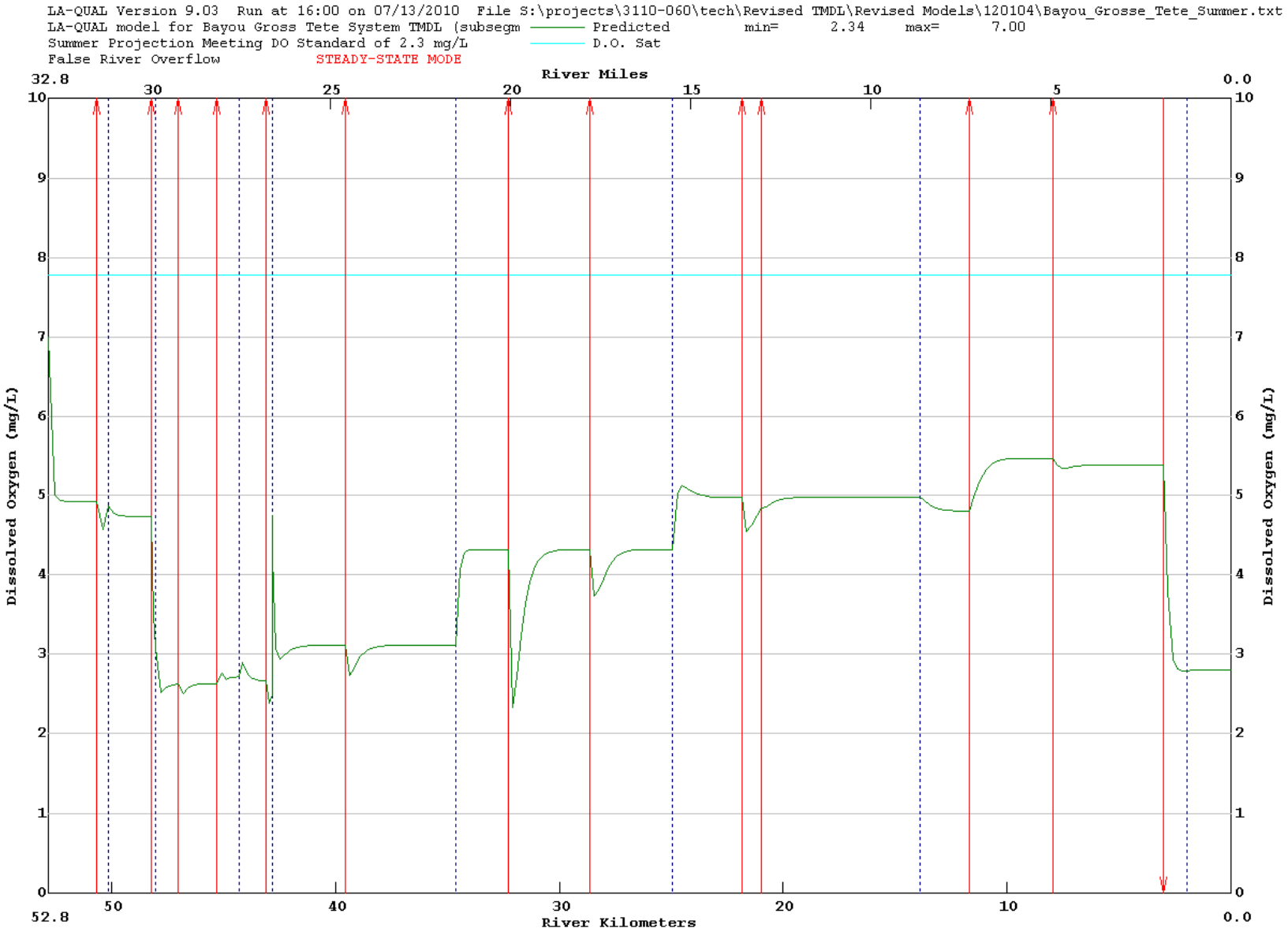
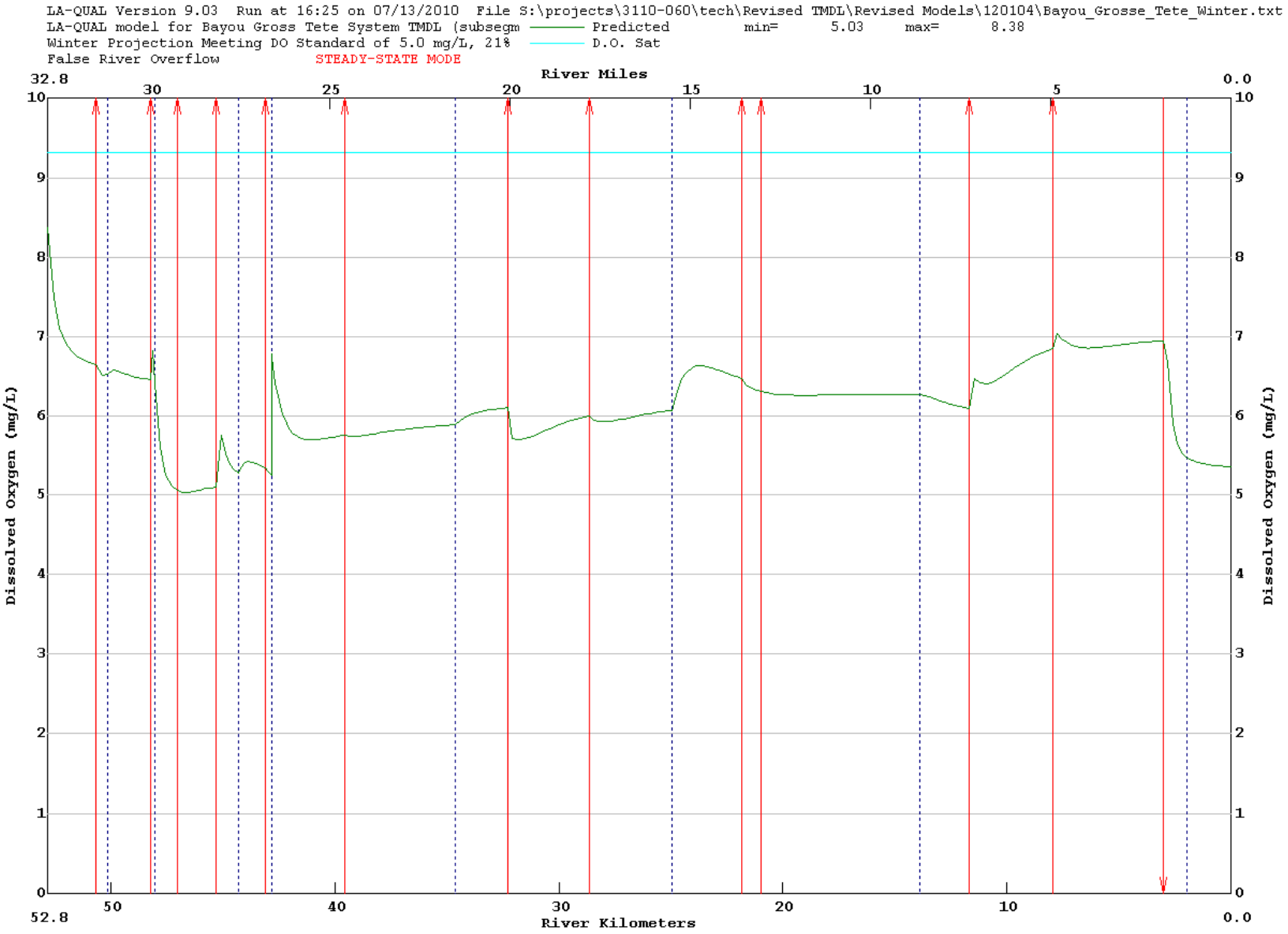


Figure 7. Bayou Grosse Tete Winter Projection at 60% Removal of Man-Made Loads



4.4.1.3 Projection benthic loads are determined by trial and error during the modeling process using a uniform percent reduction for resuspension and SOD. Point sources are reduced as necessary to subsequently more stringent levels of treatment consistent with the size of the treatment facility as much as possible. Point source design flows are increased to obtain an explicit MOS of 20%. Headwater and tributary concentrations of BOD and DO range from reference stream levels to calibration levels based on the character of the headwater. Where headwaters and tributaries exhibit man-made pollutant loads in excess of reference stream values, the loadings are reduced by the same uniform percent reduction as the benthic loads.

- The projection benthic loading at 20 °C is calculated as the sum of the projection resuspension and SOD components expressed as gm O_2/m^2-day.

- The natural background benthic load is subtracted from the projection benthic load to obtain the man-made projection benthic load for each reach.

- The percent reduction of man-made loads for each reach is determined from the difference between the projected man-made non-point load and the man-made non-point load found during calibration.

- The projection loads are also computed in units of lb/d and kg/d for each kind.

4.4.1.4 The total stream loading capacity at critical water temperature is calculated as the sum of:

- Headwater and tributary BOD loading in lb/d and kg/d.

- The natural and man-made projection benthic loading for all reaches of the stream is converted to the loading at critical temperature and summed in lb/d and kg/d.

- Point source BOD loading in lb/d and kg/d.

- The margin of safety in lb/d and kg/d.

4.4.2 Bayou Grosse Tete TMDL, Subsegment 120104

The TMDLs for the biochemical oxygen demanding constituents (BOD and SOD), have been calculated for the summer and winter critical seasons. The TMDLs for the Bayou Grosse Tete watershed were set equal to the total stream loading capacity. They are presented in Appendix A. A summary of the loads is presented in Table 6. Details for point source loads are presented in Table 7.

Table 6. Total Maximum Daily Load (Sum of UBOD and SOD) for Bayou Grosse Tete

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA	0	1,471	0	1,471
Point Source Reserve MOS = 20%		368		368
Natural Nonpoint Source LA	0	7,270	0	5,627
Manmade Nonpoint Source LA	65	4,668	60	4,055
Manmade Nonpoint Source Reserve MOS Summer = 20% Winter = 20%		1,166		1,014
TMDL		14,943		12,535

***Note1: UBOD as stated in this allocation is Ultimate BOD.
UBOD to BOD_5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on BOD_5***

Table 7. Point Source TMDL Summary for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW (GPD)	MOS FLOW (GPD)	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5/ CBOD5, mg/L	NH3-N, mg/L			BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
Town of Livonia STP	167102/ 0124851	4/30/2015	1	155,000	10		NA	NA	NA		Not included in model but included in TMDL as part of the MOS
Town of Maringouin STP	42398 / LA0086771	09/01/2013	1	150,000	10		187,500	37,500	10		Included in model and TMDL
Union Pacific Railroad Co.	43693 / LAG530567	12/01/2012	1	3,080	30		3,850	770	30		Included in model and TMDL
David's Catering	87854 / LAG531142	12/01/2012	1	1,050	30		1,313	263	30		Included in model and TMDL
North Iberville Elementary and High School	41876 / LAG540386	07/01/2013	1	15,575	30		19,469	3,894	30		Included in model and TMDL
Louisiana Laborer's T&A Fund	38607 / LAG540442	07/01/2013	1	6,770	30		8,463	1,693	30		Included in model and TMDL
Lodging Enterprises Inc - Oak Tree Inn	42324 / LAG540485	07/01/2013	1	7,050	30		8,813	1,763	30		Included in model and TMDL
Valverda Elementary	42869 / LAG540583	07/01/2013	1	9,030	30		11,288	2,258	30		Included in model and TMDL
Bayou Truck Stop	20040 / LAG541027	07/01/2013	1	12,300	30		15,375	3,075	30		Included in model and TMDL
Village of Morganza STP	38208 / LA0020028	09/01/2009	1	125,000	10		156,250	31,250	10		Not in model but included in the TMDL
Reliable Prod Serv Ind - Livonia	25491 / LA0063941	03/01/2010	001 & 002	150,000	30		187,500	37,500	30		Not in model but included in the TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

Table 7 Continued. Point Source TMDL Summary for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW (GPD)	MOS FLOW (GPD)	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5/ CBOD5, mg/L	NH3-N, mg/L			BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
LaBarre Elementary	19324 / LAG530425	12/01/2012	1	4,680	30		5,850	1,170	30		Not in model but included in the TMDL
Grosse Tete Welcome Center	166611 / LAG533251	12/01/2012	1	60	45		75	15	45		Not in model but included in the TMDL
Pointe Coupee Central High School	42868 / LAG540580	07/01/2013	1	22,980	30		28,725	5,745	30		Not in model but included in the TMDL
Ewing's of Livonia LLC - LA Express #11	75773 / LAG541060	07/01/2013	1	7,680	30		9,600	1,920	30		Not in model but included in the TMDL
Livonia Travel Plaza	126000 / LAG541399	07/01/2013	1	9,020	30		11,275	2,255	30		Not in model but included in the TMDL
Village of Grosse Tete STP	41668 / LAG560105	06/01/2014	1	30,000	20		37,500	7,500	20		Not in model but included in the TMDL
Delta Place Subdivision STP	18928 / LAG570185	05/01/2014	1	70,000	10		87,500	17,500	10		Not in model but included in the TMDL
Pointe Coupee Parish Police Jury - Mandela WWTP	84033 / LAG570304	03/15/2009	1	35,000	10		43,750	8,750	10		Not in model but included in the TMDL
Cajun Land Properties LLC # 1	168380 / LAG533304	12/01/2012	1	3,000	30		3,750	750	30		Not in model but included in the TMDL
Wildgame Innovations LLC	168130 / LAG533411	11/30/2012	001 & 002	1,400	30		1,750	350	30		Not in model but included in the TMDL

* NOTE: No permit limits need to be modified as a result of this TMDL.

5. Sensitivity Analysis

All modeling studies necessarily involve uncertainty and some degree of approximation. It is therefore of value to consider the sensitivity of the model output to changes in model coefficients, and in the hypothesized relationships among the parameters of the model. The LAQUAL model allows multiple parameters to be varied with a single run. The model adjusts each parameter up or down by the percentage given in the input set. The rest of the parameters listed in the sensitivity section are held at their original projection value. Thus the sensitivity of each parameter is reviewed separately. A sensitivity analysis was performed on the calibration and summer projection model runs of Bayou Grosse Tete. The sensitivity of the model's minimum DO projections to these parameters is presented in Appendix I. Parameters were varied by +/- 30%, except temperature, which was adjusted +/- 2 degrees Centigrade.

Table 8 shows that Bayou Grosse Tete is most sensitive to stream reaeration, benthal demand, initial temperature and non-point source BOD. The other parameters creating significant variations in the minimum DO values are BOD decay rate, wasteload flow, BOD settling rate, stream Baseflow, incremental inflow, stream depth, wasteload BOD and incremental BOD. The model is slightly to not sensitive to the remaining parameters.

Table 8. Summary of Calibration Model Sensitivity Analysis for Bayou Grosse Tete

	Positive Changes in Parameter			Negative Changes in parameter		
Parameter	% change	Minimum DO (mg/L)	Percentage Difference	% change	Minimum DO (mg/L)	Percentage Difference
Stream Reaeration	30	3.17	73.0	-30	0.81	-55.9
Benthal Demand	30	1.25	-32.0	-30	2.95	60.9
Initial Temperature	2	1.48	-19.3	-2	2.46	34.6
Non-Point Source BOD	30	1.56	-14.9	-30	2.36	28.7
BOD Decay Rate	30	1.66	-9.2	-30	2.28	24.5
Wasteload Flow	30	1.99	8.8	-30	1.77	-3.3
BOD Settling Rate	30	1.96	7.4	-30	1.72	-6.0
Stream Baseflow	30	1.96	6.6	-30	1.77	-3.5
Incremental Inflow	30	1.95	6.5	-30	1.77	-3.5
Stream Depth	30	1.72	-6.0	-30	2.19	19.6
Wasteload BOD	30	1.73	-5.3	-30	1.97	7.6
Incremental BOD	30	1.79	-2.1	-30	1.88	2.8
Incremental DO	30	1.83	0.2	-30	1.83	-0.2
Headwater Flow	30	1.83	0.0	-30	1.83	0.0
Headwater Temperature	2	1.83	0.0	-2	1.83	0.0
Headwater DO	30	1.83	0.0	-30	1.83	0.0
Headwater BOD	30	1.83	0.0	-30	1.83	0.0
Wasteload Temperature	2	1.83	0.0	-2	1.83	0.0
Wasteload DO	30	1.83	0.0	-30	1.83	0.0

6. Conclusions

The TMDL for Bayou Grosse Tete requires a watershed wide 65% decrease in manmade nonpoint source loads in order to meet the DO criteria in the summer. The existing point sources have no impact on the main stem of Bayou Grosse Tete and require no changes to their permitted discharges.

The modeling which has been conducted for this TMDL is very conservative and based on limited information. Future studies may show that this TMDL is smaller than that which can actually be accommodated by the watershed.

LDEQ has developed this TMDL to be consistent with the state antidegradation policy (LAC 33:IX.1109.A).

LDEQ will work with other agencies such as local Soil Conservation Districts to implement agricultural best management practices in the watershed through the 319 programs. LDEQ will also continue to monitor the waters to determine whether standards are being attained.

In accordance with Section 106 of the federal Clean Water Act and under the authority of the Louisiana Environmental Quality Act, the LDEQ has established a comprehensive program for monitoring the quality of the state's surface waters. The LDEQ Surveillance Section collects surface water samples at various locations, utilizing appropriate sampling methods and procedures for ensuring the quality of the data collected. The objectives of the surface water monitoring program are to determine the quality of the state's surface waters, to develop a long-term database for water quality trend analysis, and to monitor the effectiveness of pollution controls. The data obtained through the surface water monitoring program is used to develop the state's biennial 305(b) report (Water Quality Inventory) and the 303(d) list of impaired waters. This information is also utilized in establishing priorities for the LDEQ nonpoint source program.

This TMDL establishes load limitations for oxygen-demanding substances and goals for reduction of those pollutants. LDEQ's position is that when oxygen-demanding loads from point and nonpoint sources are reduced in order to ensure that the dissolved oxygen criterion is supported, nutrients are also reduced. The implementation of this TMDL through wastewater discharge permits and implementation of best management practices to control and reduce runoff of soil and oxygen-demanding pollutants from nonpoint sources in the watershed will also reduce the nutrient loading from those sources.

Louisiana does not have numeric nutrient criteria at the present time. LDEQ is developing numeric nutrient criteria for waterbody types based on ecoregions in accordance with LDEQ's plan "Developing Nutrient Criteria for Louisiana 2006" which can be found at:

http://www.deq.louisiana.gov/portal/Portals/0/planning/LA%20Nutrient%20Strategy%20Plan%20Final%20FOR%20WEB.pdf

Water body types for nutrient criteria development in Louisiana are 1) inland rivers and streams; 2) freshwater wetlands; 3) freshwater lakes and reservoirs; 4) big rivers and floodplains/boundary rivers and associated water bodies; and 5) estuarine and coastal waters (including up to Louisiana's three mile boundary in the Gulf of Mexico). Proposed approaches for nutrient criteria development are currently under review by LDEQ and EPA. Nutrient criteria can be implemented upon state promulgation and EPA approval as per 40 CFR 131.21.

LDEQ recommends that all facilities discharging to impaired waterbodies take a proactive approach and prepare to receive nutrient limitations in the near future. Such a proactive approach should include nutrient monitoring and documentation through facility Discharge Monitoring Reports (DMRs) in order to assess their nutrient loads and the need to modify their treatment processes for nutrient removal.

The LDEQ is continuing to implement a watershed approach to surface water quality monitoring. In 2004 a four year sampling cycle replaces the previous five year cycle. Approximately one quarter of the states watersheds will be sampled each year so that all of the states watersheds will be sampled within the four year cycle. This will allow LDEQ to determine whether there has been any improvement in water quality following implementation of the TMDLs. As the monitoring results are evaluated at the end of each year, waterbodies may be added to or removed from the 303(d) list.

7. References

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8. Appendices

Appendix A – Detailed TMDL Analyses

Summer TMDL Summary:

Bayou Grosse Tete (Subsegment 120104)

Calculation of the TMDL - Kilograms per day					
Load description	WLA (kg O_2/day)	CBOD1 LA (kg O_2/day)	SOD LA (kg O_2/day)	LA (kg O_2/day)	MOS Load (kg O_2/day)
Point Source loads	667				167
Headwater / Tributatary loads		14		14	1
Benthic loads		2,346	3,054	5,400	528
Incremental Loads		0		0	0
SUB-TOTAL	**667**	**2,360**	**3,054**	**5,414**	**696**
TMDL = WLA + LA + MOS				***6,777 kg/day***	

Notes:
(1) - Load(lbs/day) = Load(kg/day) x 2.205

Calculation of the TMDL - Pounds per day					
Load description	WLA (lbs O_2/day)	CBOD1 LA (lbs O_2/day)	SOD LA (lbs O_2/day)	LA (lbs O_2/day)	MOS Load (lbs O_2/day)
Point Source loads	1,471				368
Headwater / Tributatary loads		31		31	2
Benthic loads		5,173	6,734	11,907	1,164
Incremental Loads		0		0	0
SUB-TOTAL	**1,471**	**5,204**	**6,734**	**11,938**	**1,534**
TMDL = WLA + LA + MOS				***14,943 lbs/day***	

Notes:
(1) - Load(lbs/day) = Load(kg/day) x 2.205

Calculation of the TMDL - Kilograms per day					
Load description	WLA (kg O_2/day)	CBOD1 LA (kg O_2/day)	SOD LA (kg O_2/day)	LA (kg O_2/day)	MOS Load (kg O_2/day)
Point Source loads	667				167
Natural Nonpoint Loads		1,436	1,861	3,297	
Manmade Nonpoint Loads		924	1,193	2,117	529
SUB-TOTAL	**667**	**2,360**	**3,054**	**5,414**	**696**
TMDL = WLA + LA + MOS				***6,777 kg/day***	

Calculation of the TMDL - Pounds per day					
Load description	WLA (lbs O_2/day)	CBOD1 LA (lbs O_2/day)	SOD LA (lbs O_2/day)	LA (lbs O_2/day)	MOS Load (lbs O_2/day)
Point Source loads	1,471				368
Natural Nonpoint Loads		3,166	4,104	7,270	
Manmade Nonpoint Loads		2,037	2,631	4,668	1,166
SUB-TOTAL	**1,471**	**5,203**	**6,735**	**11,938**	**1,534**
TMDL = WLA + LA + MOS				***14,943 lbs/day***	

Winter TMDL Summary:

Bayou Grosse Tete (Subsegment 120104)

Calculation of the TMDL - Kilograms per day					
Load description	WLA (kg O_2/day)	CBOD1 LA (kg O_2/day)	SOD LA (kg O_2/day)	LA (kg O_2/day)	MOS Load (kg O_2/day)
Point Source loads	667				167
Headwater / Tributatary loads		145		145	10
Benthic loads		2,477	1,769	4,246	450
Incremental Loads		0		0	0
SUB-TOTAL	**667**	**2,622**	**1,769**	**4,391**	**627**
TMDL = WLA + LA + MOS				***5,685 kg/day***	

Notes:

(1) - Load(lbs/day) = Load(kg/day) x 2.205

Calculation of the TMDL - Pounds per day					
Load description	WLA (lbs O_2/day)	CBOD1 LA (lbs O_2/day)	SOD LA (lbs O_2/day)	LA (lbs O_2/day)	MOS Load (lbs O_2/day)
Point Source loads	1,471				368
Headwater / Tributatary loads		320		320	22
Benthic loads		5,462	3,901	9,362	992
Incremental Loads		0		0	0
SUB-TOTAL	**1,471**	**5,782**	**3,901**	**9,682**	**1,382**
TMDL = WLA + LA + MOS				***12,535 lbs/day***	

Notes:

(1) - Load(lbs/day) = Load(kg/day) x 2.205

Calculation of the TMDL - Kilograms per day					
Load description	WLA (kg O_2/day)	CBOD1 LA (kg O_2/day)	SOD LA (kg O_2/day)	LA (kg O_2/day)	MOS Load (kg O_2/day)
Point Source loads	667				167
Natural Nonpoint Loads		1,531	1,021	2,552	
Manmade Nonpoint Loads		1,091	748	1,839	460
SUB-TOTAL	**667**	**2,622**	**1,769**	**4,391**	**627**
TMDL = WLA + LA + MOS				***5,685 kg/day***	

Calculation of the TMDL - Pounds per day					
Load description	WLA (lbs O_2/day)	CBOD1 LA (lbs O_2/day)	SOD LA (lbs O_2/day)	LA (lbs O_2/day)	MOS Load (lbs O_2/day)
Point Source loads	1,471				368
Natural Nonpoint Loads		3,376	2,251	5,627	
Manmade Nonpoint Loads		2,406	1,649	4,055	1,014
SUB-TOTAL	**1,471**	**5,782**	**3,900**	**9,682**	**1,382**
TMDL = WLA + LA + MOS				***12,535 lbs/day***	

Appendix B – Calibration Model Input and Output Data Sets

Appendix B1 – Input and Output Files

Input File

```
CNTROL01     BAYOU GROSS TETE CALIBRATION
CNTROL02     08/26/04
CNTROL12 YES METRIC UNITS
ENDATA01
MODOPT01  NO TEMPERATURE
MODOPT02  NO SALINITY
MODOPT03 YES CONSERVATIVE MATERIAL  I = CHLORIDES                  IN MG/L
MODOPT04 YES CONSERVATIVE MATERIAL II = SULFATES                   IN MG/L
MODOPT05 YES DISSOLVED OXYGEN
MODOPT06 YES BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07  NO BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08  NO NITROGEN
MODOPT09  NO PHOSPHORUS
MODOPT10  NO CHLOROPHYLL A
MODOPT11  NO MACROPHYTES
MODOPT12  NO COLIFORM
MODOPT13  NO NONCONSERVATIVE MATERIAL
ENDATA02
PROGRAM  KL MINIMUM                         =     0.7
PROGRAM  MAXIMUM ITERATION LIMIT            =  1000.0
PROGRAM  INHIBITION CONTROL VALUE           =     3.0
! Effective BOD due to algae value is within the range
! suggested in the LAQUAL User's Manual (ver. 5.01, rev. G, 6/27/2001)
PROGRAM  EFFECTIVE BOD DUE TO ALGAE         =     0.15
! Set to zero because of high diurnal DO changes
PROGRAM  ALGAE OXYGEN PRODUCTION            =     0.00
PROGRAM  K2 MAXIMUM                         =    25.0
PROGRAM  HYDRAULIC CALCULATION METHOD       =     2.0
PROGRAM  SETTLED RATE UNITS                 =     2.0
ENDATA03
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
ENDATA04
ENDATA05
ENDATA06
ENDATA07
!Reach Identification Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -- ******************************----------**********----------
REACH ID    1  GT   FALSE R CANAL-BGT 2               52.84     50.15     0.269
REACH ID    2  GT   BGT 2-B. PORTAGE                  50.15     48.26     0.210
REACH ID    3  GT   B. PORTAGE-UNNAMED CANAL         48.26     48.06     0.100
REACH ID    4  GT   UNNAMED CANAL-B. FORDOCHE        48.06     45.31     0.250
REACH ID    5  GT   B. FORDOCHE-BGT 3                45.31     44.30     0.202
REACH ID    6  GT   BGT 3-BGT 3A                     44.30     42.85     0.145
REACH ID    7  GT   BGT 3A-BGT 3B                    42.85     42.84     0.010
REACH ID    8  GT   BGT 3B-BGT 4                     42.84     34.63     0.1642
REACH ID    9  GT   BGT 4-BGT 5                      34.63     24.95     0.1936
REACH ID   10  GT   BGT 5-BGT 6                      24.95     13.90     0.221
REACH ID   11  GT   BGT 6-GRAND BAYOU                13.90     11.68     0.222
REACH ID   12  GT   GRAND BAYOU-CATFISH CANAL        11.68      7.93     0.250
REACH ID   13  GT   CATFISH CANAL-ICWW DIVERSION      7.93      3.02     0.1964
REACH ID   14  GT   ICWW DIVERSION-BGT 7              3.02      1.96     0.212
REACH ID   15  GT   BGT 7-INTRACOASTAL WATERWAY       1.96      0.00     0.245
ENDATA08
!Advective Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
```

```
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******--------*******
HYDR-1      1  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      2  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      3  0.0000 0.0000  34.00 0.0000  0.000  0.825   0.0001  0.035
HYDR-1      4  0.0000 0.0000  36.00 0.0000  0.000  0.835   0.0001  0.035
HYDR-1      5  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      6  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      7  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      8  0.0000 0.0000  22.71 0.0000  0.000  0.631   0.0001  0.035
HYDR-1      9  0.0000 0.0000  20.73 0.0000  0.000  1.283   0.0001  0.035
HYDR-1     10  0.0000 0.0000  22.00 0.0000  0.000  1.400   0.0001  0.035
HYDR-1     11  0.0000 0.0000  23.16 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     12  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     13  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     14  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
HYDR-1     15  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
ENDATA09
!Dispersive Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----**********----------**********----------
ENDATA10
!Initial Conditions
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  --------********--------********--------********--------********
INITIAL     1     23.25     0.0   3.69    0.000   0.000   0.00  45.600   00.00
INITIAL     2     23.76     0.0   5.44    0.000   0.000   0.00  65.100   00.00
INITIAL     3     24.00     0.0   5.00    0.000   0.000   0.00  50.000   00.00
INITIAL     4     24.00     0.0   4.50    0.000   0.000   0.00  50.000   00.00
INITIAL     5     24.00     0.0   4.00    0.000   0.000   0.00  42.500   00.00
INITIAL     6     24.55     0.0   3.70    0.000   0.000   0.00  42.500   00.00
INITIAL     7     24.55     0.0   3.70    0.000   0.000   0.00  42.500   00.00
INITIAL     8     24.72     0.0   5.72    0.000   0.000   0.00  42.500   00.00
INITIAL     9     24.72     0.0   5.72    0.000   0.000   0.00  83.200   00.00
INITIAL    10     24.81     0.0   2.39    0.000   0.000   0.00  26.650   00.00
INITIAL    11     25.07     0.0   2.32    0.000   0.000   0.00  36.000   00.00
INITIAL    12     25.07     0.0   2.45    0.000   0.000   0.00  34.000   00.00
INITIAL    13     25.07     0.0   2.60    0.000   0.000   0.00  31.000   00.00
INITIAL    14     25.07     0.0   2.75    0.000   0.000   0.00  28.400   00.00
INITIAL    15     25.07     0.0   2.85    0.000   0.000   0.00  28.400   00.00
ENDATA11
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----******----- ******-------*******-------*******-------
COEF-1      1   15.0  0.00 0.0   0.0    1.350  0.121 0.05    0.00    0.0
COEF-1      2   15.0  0.00 0.0   0.0    1.500  0.107 0.05    0.00    0.0
COEF-1      3   15.0  0.00 0.0   0.0    3.000  0.102 0.05    0.00    0.0
COEF-1      4   15.0  0.00 0.0   0.0    3.750  0.098 0.05    0.00    0.0
COEF-1      5   15.0  0.00 0.0   0.0    3.750  0.095 0.05    0.00    0.0
COEF-1      6   15.0  0.00 0.0   0.0    3.500  0.093 0.05    0.00    0.0
COEF-1      7   15.0  0.00 0.0   0.0    2.000  0.098 0.05    0.00    0.0
COEF-1      8   15.0  0.00 0.0   0.0    3.250  0.105 0.05    0.00    0.0
COEF-1      9    4.0  0.00 0.0   0.0    2.250  0.106 0.05    0.00    0.0
COEF-1     10    4.0  0.00 0.0   0.0    1.350  0.099 0.05    0.00    0.0
COEF-1     11    4.0  0.00 0.0   0.0    1.400  0.093 0.05    0.00    0.0
COEF-1     12    4.0  0.00 0.0   0.0    1.500  0.090 0.05    0.00    0.0
COEF-1     13    4.0  0.00 0.0   0.0    1.600  0.086 0.05    0.00    0.0
COEF-1     14   15.0  0.00 0.0   0.0    3.500  0.084 0.05    0.00    0.0
COEF-1     15   15.0  0.00 0.0   0.0    3.500  0.082 0.05    0.00    0.0
ENDATA12
!Nitrogen and Phosphorus Coefficients
```

```
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******-------
ENDATA13
!Algae and Macrophyte Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******       -------*******
ENDATA14
!Coliform and Nonconservative Cofficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******
ENDATA15
!Incremental Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------*********
INCR-1      1    0.0     0.06000           0.0        3.50     5.0
INCR-1      2    0.0     0.04000           0.0        3.50     5.0
INCR-1      3    0.0     0.02500           0.0        3.50     5.0
INCR-1      4    0.0     0.05000           0.0        3.50     5.0
INCR-1      5    0.0     0.03000           0.0        3.50     5.0
INCR-1      6   -0.15    0.00000           0.0        0.00     0.0
INCR-1      7    0.0     0.00000           0.0        0.00     0.0
INCR-1      8    0.0     0.13000           0.0        3.50     5.0
INCR-1      9   -0.008   0.00000           0.0        0.00     0.0
INCR-1     10    0.0     0.22600           0.0        3.50     5.0
INCR-1     11    0.0     0.00000           0.0        0.00     0.0
INCR-1     12    0.0     0.00000           0.0        0.00     0.0
INCR-1     13    0.0     0.00000           0.0        0.00     0.0
INCR-1     14    0.0     0.00000           0.0        0.00     0.0
INCR-1     15    0.0     0.00000           0.0        0.00     0.0
ENDATA16
!Incremental Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------
INCR-2      1      4.25    8.57     0.00     0.0      0.00
INCR-2      2      3.75    8.57     0.00     0.0      0.00
INCR-2      3      3.50    8.57     0.00     0.0      0.00
INCR-2      4      3.25    8.57     0.00     0.0      0.00
INCR-2      5      2.75    8.57     0.00     0.0      0.00
INCR-2      6      0.00    0.00     0.00     0.0      0.00
INCR-2      7      0.00    0.00     0.00     0.0      0.00
INCR-2      8      4.75    8.57     0.00     0.0      0.00
INCR-2      9      0.00    0.00     0.00     0.0      0.00
INCR-2     10      2.25    8.57     0.00     0.0      0.00
INCR-2     11      0.00    0.00     0.00     0.0      0.00
INCR-2     12      0.00    0.00     0.00     0.0      0.00
INCR-2     13      0.00    0.00     0.00     0.0      0.00
INCR-2     14      0.00    0.00     0.00     0.0      0.00
INCR-2     15      0.00    0.00     0.00     0.0      0.00
ENDATA17
!Incremental Data for Phosphorus, Chlorophyll, Coliform and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********
INCR-3      1      0.000    0.000    0.000   0.0000
INCR-3      2      0.000    0.000    0.000   0.0000
INCR-3      3      0.000    0.000    0.000   0.0000
INCR-3      4      0.000    0.000    0.000   0.0000
INCR-3      5      0.000    0.000    0.000   0.0000
```

```
INCR-3      6      0.000    0.000    0.000   0.0000
INCR-3      7      0.000    0.000    0.000   0.0000
INCR-3      8      0.000    0.000    0.000   0.0000
INCR-3      9      0.000    0.000    0.000   0.0000
INCR-3     10      0.000    0.000    0.000   0.0000
INCR-3     11      0.000    0.000    0.000   0.0000
INCR-3     12      0.000    0.000    0.000   0.0000
INCR-3     13      0.000    0.000    0.000   0.0000
INCR-3     14      0.000    0.000    0.000   0.0000
INCR-3     15      0.000    0.000    0.000   0.0000
ENDATA18
!Nonpoint Source Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!         ***  ---------*********---------*********---------
NONPOINT    1    225.00     0.00    0.0      0.00     0.0
NONPOINT    2    175.00     0.00    0.0      0.00     0.0
NONPOINT    3     25.00     0.00    0.0      0.00     0.0
NONPOINT    4    225.00     0.00    0.0      0.00     0.0
NONPOINT    5     75.00     0.00    0.0      0.00     0.0
NONPOINT    6    175.00     0.00    0.0      0.00     0.0
NONPOINT    7      0.00     0.00    0.0      0.00     0.0
NONPOINT    8    260.00     0.00    0.0      0.00     0.0
NONPOINT    9    600.00     0.00    0.0      0.00     0.0
NONPOINT   10   1075.00     0.00    0.0      0.00     0.0
NONPOINT   11    275.00     0.00    0.0      0.00     0.0
NONPOINT   12    325.00     0.00    0.0      0.00     0.0
NONPOINT   13    425.00     0.00    0.0      0.00     0.0
NONPOINT   14     70.00     0.00    0.0      0.00     0.0
NONPOINT   15    125.00     0.00    0.0      0.00     0.0
ENDATA19
!Headwater Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  -------------------- *** --------********--------********--------
HDWTR-1     1  False River Overflow  0.  0.00453  23.25  0.0       8.40   16.50
ENDATA20
!Headwater Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  ---------*********---------*********---------
HDWTR-2     1      3.69    11.63     0.00   0.000    0.00
ENDATA21
!Headwater Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  ---------*********---------*********
HDWTR-3     1      0.00     0.00   0.00    0.00
ENDATA22
!Junction Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        **** ----  ************************************************************
ENDATA23
!Wasteload Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  --------------------*********---------*********---------*********
WSTLD-1    20  BAYOU PORTAGE         0.50       21.50     0.00     8.00    12.50
WSTLD-1    33  BAYOU FORDOCHE        0.10       21.72     0.00     6.20     5.90
WSTLD-1   209  GRAND  BAYOU          0.47459    21.70     0.00     7.40    15.30
WSTLD-1   224  CATFISH CANAL         0.00651    19.10     0.00    12.00    20.90
WSTLD-1   249  ICWW DIVERSION       -0.85       25.30     0.00     4.40     7.50
```

```
ENDATA24
!Wasteload Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********-----*********---------*****---------
WSTLD-2    20      3.78    15.15  0.0     0.00     0.00  0.0     0.00
WSTLD-2    33      4.84    15.92  0.0     0.00     0.00  0.0     0.00
WSTLD-2   209      2.77    16.47  0.0     0.00     0.00  0.0     0.00
WSTLD-2   224      4.26    24.13  0.0     0.00     0.00  0.0     0.00
WSTLD-2   249      1.50    18.51  0.0     0.00     0.00  0.0     0.00
ENDATA25
!Wasteload Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********
WSTLD-3    20       0.00     0.00     0.00     0.00
WSTLD-3    33       0.00     0.00     0.00     0.00
WSTLD-3   209       0.00     0.00     0.00     0.00
WSTLD-3   224       0.00     0.00     0.00     0.00
WSTLD-3   249       0.00     0.00     0.00     0.00
ENDATA26
LOWER BC TEMPERATURE                          =  23.84
LOWER BC SALINITY                             =   0.00
LOWER BC CONSERVATIVE MATERIAL I              =  15.90
LOWER BC CONSERVATIVE MATERIAL II             =  35.20
LOWER BC DISSOLVED OXYGEN                     =   2.04
LOWER BC BOD1 BIOCHEMICAL OXYGEN DEMAND       =   6.48
LOWER BC BOD2 BIOCHEMICAL OXYGEN DEMAND       =   0.00
LOWER BC ORGANIC NITROGEN                     =   0.00
LOWER BC AMMONIA NITROGEN                     =   0.00
LOWER BC NITRATE + NITRITE                    =   0.00
LOWER BC PHOSPHORUS                           =   0.00
LOWER BC CHLOROPHYLL A                        =  14.60
LOWER BC COLIFORM                             =   0.00
LOWER BC NONCONSERVATIVE MATERIAL             =   0.00
ENDATA27
!DAM DATA
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  -------------------- ** --------********--------
DAM DATA   48        Livonia Weir    1    0.85    0.75   1.622
ENDATA28
SENSIT   BASEFLOW   30.0  -30.0
SENSIT   DEPTH      30.0  -30.0
SENSITIV REAERATI   30.0  -30.0
SENSIT   BOD DECA   30.0  -30.0
SENSIT   BOD SETT   30.0  -30.0
SENSIT   BENTHAL    30.0  -30.0
SENSIT   TEMPERAT    2.0   -2.0
SENSIT   INC INFL   30.0  -30.0
SENSIT   INC DO     30.0  -30.0
SENSIT   INC BOD    30.0  -30.0
SENSIT   HDW FLOW   30.0  -30.0
SENSIT   HDW TEMP    2.0   -2.0
SENSIT   HDW DO     30.0  -30.0
SENSIT   HDW BOD    30.0  -30.0
SENSIT   WSL FLOW   30.0  -30.0
SENSIT   WSL TEMP    2.0   -2.0
SENSIT   WSL DO     30.0  -30.0
SENSIT   WSL BOD    30.0  -30.0
SENSIT   NPS BOD    30.0  -30.0
ENDATA29
NUMBER OF PLOTS = 5
```

```
NUMBER OF REACHES IN PLOT 5 =  15
PLOT RCH  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15
NUMBER OF REACHES IN PLOT 1 =   5
PLOT RCH  1  2  3  4  5
NUMBER OF REACHES IN PLOT 2 =   3
PLOT RCH  6  7  8
NUMBER OF REACHES IN PLOT 3 =   4
PLOT RCH  8  9 10 11
NUMBER OF REACHES IN PLOT 4 =   5
PLOT RCH 11 12 13 14 15
ENDATA30
OVERLAY 1 OVERLAY BGT.TXT                       :REACHES 1-15
OVERLAY 2 OVERLAY BGT.TXT                       :REACHES 1-5
OVERLAY 3 OVERLAY BGT.TXT                       :REACHES 6-8
OVERLAY 4 OVERLAY BGT.TXT                       :REACHES 8-11
OVERLAY 5 OVERLAY BGT.TXT                       :REACHES 11-15
ENDATA31
```

Overlay File

```
STATION  2  KILOMETER   50.15
03                  4.30
04                  4.30
05         3.02     4.02     8.82
06                 23.55
13                  65.1
33                 0.811
34                 32.92
STATION  3  KILOMETER   44.30
03                  6.80
04                 10.90
05         1.80     2.80     7.55
06                 21.34
13                  42.5
31               0.80958
33                 0.847
34                 37.80
STATION  4  KILOMETER   34.63
03                  5.50
04                  8.10
05         3.71     4.71     7.84
06                 26.12
13                  83.2
33                 0.631
34                 22.71
STATION  5  KILOMETER   24.95
03                  5.70
04                  7.30
05         0.9      1.90     6.13
06                 17.11
13                 26.65
31               0.78154
33                 1.283
34                 20.73
STATION  6  KILOMETER   13.90
03                  5.30
04                  6.10
05         1.55     2.55     3.93
06                 20.01
13                  36.0
31               1.00751
```

```
33                  1.554
34                  23.16
STATION  7  KILOMETER    1.96
03                   4.70
04                   7.50
06                  18.70
13                   28.4
33                  0.655
34                  29.87
STD 05        5.0     52.84     00.00
MRK      50.15 END OF REACH 1
MRK      48.26 END OF REACH 2 BAYOU PORTAGE
MRK      48.06 END OF REACH 3
MRK      45.31 END OF REACH 4 BAYOU FORDOCHE
MRK      44.30 END OF REACH 5
MRK      42.85 END OF REACH 6 LIVONIA WEIR
MRK      42.84 END OF REACH 7
MRK      34.63 END OF REACH 8
MRK      24.95 END OF REACH 9
MRK      13.90 END OF REACH 10
MRK      11.68 END OF REACH 11 GRAND BAYOU
MRK       7.93 END OF REACH 12 CATFISH CANAL
MRK       3.02 END OF REACH 13 ICWW DIV. CANAL
MRK       1.96 END OF REACH 14
MRK       0.00 END OF REACH 15
END
```

Output File

```
LA-QUAL Version 8.00
Louisiana Department of Environmental Quality

Input file is C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
Output produced at 08:52 on 08/16/2006

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

CARD TYPE       CONTROL TITLES

TITLE01         BAYOU GROSS TETE CALIBRATION
TITLE02         08/26/04
CNTROL12  YES   METRIC UNITS
ENDATA01

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

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03  YES   CONSERVATIVE MATERIAL  I = CHLORIDES                 IN MG/L
MODOPT04  YES   CONSERVATIVE MATERIAL II = SULFATES                  IN MG/L
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08   NO   NITROGEN
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORM
MODOPT13   NO   NONCONSERVATIVE MATERIAL
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         KL MINIMUM                        =        0.70000 meters/day
PROGRAM         MAXIMUM ITERATION LIMIT           =     1000.00000
PROGRAM         INHIBITION CONTROL VALUE          =        3.00000 (inhibit all rates but SOD)
PROGRAM         EFFECTIVE BOD DUE TO ALGAE        =        0.15000 mg/L BOD per ug/L chl a
PROGRAM         ALGAE OXYGEN PRODUCTION           =        0.00000 mg O/ug chl a/day
```

```
PROGRAM         K2 MAXIMUM                          =        25.00000 per day
PROGRAM         HYDRAULIC CALCULATION METHOD        =         2.00000 (widths and depths)
PROGRAM         SETTLED RATE UNITS                  =         2.00000 (values entered as per 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

$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                        BEGIN          END      ELEM     REACH      ELEMS   BEGIN     END
CARD TYPE  REACH  ID  NAME                              REACH        REACH    LENGTH   LENGTH     PER RCH   ELEM    ELEM
                                                           km           km       km       km                 NUM     NUM

REACH ID      1   GT    FALSE R CANAL-BGT 2             52.84  TO   50.15   0.2690     2.69       10        1      10
REACH ID      2   GT    BGT 2-B. PORTAGE                50.15  TO   48.26   0.2100     1.89        9       11      19
REACH ID      3   GT    B. PORTAGE-UNNAMED CANAL        48.26  TO   48.06   0.1000     0.20        2       20      21
REACH ID      4   GT    UNNAMED CANAL-B. FORDOCHE       48.06  TO   45.31   0.2500     2.75       11       22      32
REACH ID      5   GT    B. FORDOCHE-BGT 3               45.31  TO   44.30   0.2020     1.01        5       33      37
REACH ID      6   GT    BGT 3-BGT 3A                    44.30  TO   42.85   0.1450     1.45       10       38      47
REACH ID      7   GT    BGT 3A-BGT 3B                   42.85  TO   42.84   0.0100     0.01        1       48      48
REACH ID      8   GT    BGT 3B-BGT 4                    42.84  TO   34.63   0.1642     8.21       50       49      98
REACH ID      9   GT    BGT 4-BGT 5                     34.63  TO   24.95   0.1936     9.68       50       99     148
REACH ID     10   GT    BGT 5-BGT 6                     24.95  TO   13.90   0.2210    11.05       50      149     198
REACH ID     11   GT    BGT 6-GRAND BAYOU               13.90  TO   11.68   0.2220     2.22       10      199     208
```

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REACH ID     12   GT    GRAND BAYOU-CATFISH CANAL          11.68  TO    7.93   0.2500     3.75      15      209    223
REACH ID     13   GT    CATFISH CANAL-ICWW DIVERSION        7.93  TO    3.02   0.1964     4.91      25      224    248
REACH ID     14   GT    ICWW DIVERSION-BGT 7                3.02  TO    1.96   0.2120     1.06       5      249    253
REACH ID     15   GT    BGT 7-INTRACOASTAL WATERWAY         1.96  TO    0.00   0.2450     1.96       8      254    261
ENDATA08

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

CARD TYPE  REACH  ID       WIDTH       WIDTH       WIDTH       DEPTH       DEPTH       DEPTH      SLOPE    MANNINGS
                             "A"         "B"         "C"         "D"         "E"         "F"                   "N"

HYDR-1         1   GT       0.000       0.000      32.920       0.000       0.000       0.811     0.00010   0.035
HYDR-1         2   GT       0.000       0.000      32.920       0.000       0.000       0.811     0.00010   0.035
HYDR-1         3   GT       0.000       0.000      34.000       0.000       0.000       0.825     0.00010   0.035
HYDR-1         4   GT       0.000       0.000      36.000       0.000       0.000       0.835     0.00010   0.035
HYDR-1         5   GT       0.000       0.000      37.800       0.000       0.000       0.847     0.00010   0.035
HYDR-1         6   GT       0.000       0.000      37.800       0.000       0.000       0.847     0.00010   0.035
HYDR-1         7   GT       0.000       0.000      37.800       0.000       0.000       0.847     0.00010   0.035
HYDR-1         8   GT       0.000       0.000      22.710       0.000       0.000       0.631     0.00010   0.035
HYDR-1         9   GT       0.000       0.000      20.730       0.000       0.000       1.283     0.00010   0.035
HYDR-1        10   GT       0.000       0.000      22.000       0.000       0.000       1.400     0.00010   0.035
HYDR-1        11   GT       0.000       0.000      23.160       0.000       0.000       1.554     0.00010   0.035
HYDR-1        12   GT       0.000       0.000      29.870       0.000       0.000       1.554     0.00010   0.035
HYDR-1        13   GT       0.000       0.000      29.870       0.000       0.000       1.554     0.00010   0.035
HYDR-1        14   GT       0.000       0.000      29.870       0.000       0.000       0.655     0.00010   0.035
HYDR-1        15   GT       0.000       0.000      29.870       0.000       0.000       0.655     0.00010   0.035
ENDATA09

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

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

ENDATA10

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

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

INITIAL             1   GT       23.25       0.00       3.69       0.00       0.00       0.00      45.60       0.00
INITIAL             2   GT       23.76       0.00       5.44       0.00       0.00       0.00      65.10       0.00
INITIAL             3   GT       24.00       0.00       5.00       0.00       0.00       0.00      50.00       0.00
INITIAL             4   GT       24.00       0.00       4.50       0.00       0.00       0.00      50.00       0.00
INITIAL             5   GT       24.00       0.00       4.00       0.00       0.00       0.00      42.50       0.00
INITIAL             6   GT       24.55       0.00       3.70       0.00       0.00       0.00      42.50       0.00
```

INITIAL	7	GT	24.55	0.00	3.70	0.00	0.00	0.00	42.50	0.00
INITIAL	8	GT	24.72	0.00	5.72	0.00	0.00	0.00	42.50	0.00
INITIAL	9	GT	24.72	0.00	5.72	0.00	0.00	0.00	83.20	0.00
INITIAL	10	GT	24.81	0.00	2.39	0.00	0.00	0.00	26.65	0.00
INITIAL	11	GT	25.07	0.00	2.32	0.00	0.00	0.00	36.00	0.00
INITIAL	12	GT	25.07	0.00	2.45	0.00	0.00	0.00	34.00	0.00
INITIAL	13	GT	25.07	0.00	2.60	0.00	0.00	0.00	31.00	0.00
INITIAL	14	GT	25.07	0.00	2.75	0.00	0.00	0.00	28.40	0.00
INITIAL	15	GT	25.07	0.00	2.85	0.00	0.00	0.00	28.40	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 $g/m^2/d$	BOD DECAY per day	BOD SETT m/d	BOD CONV TO SOD	ANAER BOD2 DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	GT	15 LOUISIANA	0.000	0.000	0.000	1.350	0.121	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	GT	15 LOUISIANA	0.000	0.000	0.000	1.500	0.107	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	GT	15 LOUISIANA	0.000	0.000	0.000	3.000	0.102	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	GT	15 LOUISIANA	0.000	0.000	0.000	3.750	0.098	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	GT	15 LOUISIANA	0.000	0.000	0.000	3.750	0.095	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	GT	15 LOUISIANA	0.000	0.000	0.000	3.500	0.093	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	GT	15 LOUISIANA	0.000	0.000	0.000	2.000	0.098	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	GT	15 LOUISIANA	0.000	0.000	0.000	3.250	0.105	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	GT	4 OWENS <5 FPS	0.000	0.000	0.000	2.250	0.106	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.350	0.099	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	11	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.400	0.093	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	12	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.500	0.090	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	13	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.600	0.086	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	14	GT	15 LOUISIANA	0.000	0.000	0.000	3.500	0.084	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	15	GT	15 LOUISIANA	0.000	0.000	0.000	3.500	0.082	0.050	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

ENDATA15

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

CARD TYPE	REACH	ID	OUTFLOW	INFLOW	TEMP	SALIN	CM-I	CM-II	IN/DIST	OUT/DIST
INCR-1	1	GT	0.00000	0.06000	0.00	0.00	3.50	5.00	0.02230	0.00000
INCR-1	2	GT	0.00000	0.04000	0.00	0.00	3.50	5.00	0.02116	0.00000
INCR-1	3	GT	0.00000	0.02500	0.00	0.00	3.50	5.00	0.12500	0.00000
INCR-1	4	GT	0.00000	0.05000	0.00	0.00	3.50	5.00	0.01818	0.00000
INCR-1	5	GT	0.00000	0.03000	0.00	0.00	3.50	5.00	0.02970	0.00000
INCR-1	6	GT	-0.15000	0.00000	0.00	0.00	0.00	0.00	0.00000	-0.10345
INCR-1	7	GT	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	8	GT	0.00000	0.13000	0.00	0.00	3.50	5.00	0.01583	0.00000
INCR-1	9	GT	-0.00800	0.00000	0.00	0.00	0.00	0.00	0.00000	-0.00083
INCR-1	10	GT	0.00000	0.22600	0.00	0.00	3.50	5.00	0.02045	0.00000
INCR-1	11	GT	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	12	GT	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	13	GT	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	14	GT	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	15	GT	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00000	0.00000

ENDATA16

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

CARD TYPE	REACH	ID	DO	BOD	ORG-N	NH3-N	NO3-N	BOD#2
INCR-2	1	GT	4.25	8.57	0.00	0.00	0.00	0.00
INCR-2	2	GT	3.75	8.57	0.00	0.00	0.00	0.00
INCR-2	3	GT	3.50	8.57	0.00	0.00	0.00	0.00
INCR-2	4	GT	3.25	8.57	0.00	0.00	0.00	0.00
INCR-2	5	GT	2.75	8.57	0.00	0.00	0.00	0.00
INCR-2	6	GT	0.00	0.00	0.00	0.00	0.00	0.00
INCR-2	7	GT	0.00	0.00	0.00	0.00	0.00	0.00
INCR-2	8	GT	4.75	8.57	0.00	0.00	0.00	0.00
INCR-2	9	GT	0.00	0.00	0.00	0.00	0.00	0.00
INCR-2	10	GT	2.25	8.57	0.00	0.00	0.00	0.00

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INCR-2          11   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2          12   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2          13   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2          14   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2          15   GT        0.00      0.00      0.00      0.00      0.00      0.00
ENDATA17

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

 CARD TYPE      REACH  ID        PHOS     CHL A      COLI       NCM

INCR-3           1   GT        0.00      0.00      0.00      0.00
INCR-3           2   GT        0.00      0.00      0.00      0.00
INCR-3           3   GT        0.00      0.00      0.00      0.00
INCR-3           4   GT        0.00      0.00      0.00      0.00
INCR-3           5   GT        0.00      0.00      0.00      0.00
INCR-3           6   GT        0.00      0.00      0.00      0.00
INCR-3           7   GT        0.00      0.00      0.00      0.00
INCR-3           8   GT        0.00      0.00      0.00      0.00
INCR-3           9   GT        0.00      0.00      0.00      0.00
INCR-3          10   GT        0.00      0.00      0.00      0.00
INCR-3          11   GT        0.00      0.00      0.00      0.00
INCR-3          12   GT        0.00      0.00      0.00      0.00
INCR-3          13   GT        0.00      0.00      0.00      0.00
INCR-3          14   GT        0.00      0.00      0.00      0.00
INCR-3          15   GT        0.00      0.00      0.00      0.00
ENDATA18

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

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

NONPOINT         1   GT      225.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         2   GT      175.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         3   GT       25.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         4   GT      225.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         5   GT       75.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         6   GT      175.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         7   GT        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         8   GT      260.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         9   GT      600.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        10   GT     1075.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        11   GT      275.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        12   GT      325.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        13   GT      425.00      0.00      0.00      0.00      0.00      0.00
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NONPOINT         14   GT       70.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         15   GT      125.00      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      MG/L

HDWTR-1           1     False River Overflow    0   0.00453    0.160   23.25     0.00     8.400    16.500
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     False River Overflow       3.69     11.63      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     False River Overflow       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       FLOW     FLOW    TEMP    SALIN      CM-I     CM-II
                                                     m³/s        cfs      MGD   deg C      ppt      MG/L      MG/L

WSTLD-1       20      48.26  BAYOU PORTAGE        0.50000   17.65537   11.413   21.50     0.00     8.000    12.500
WSTLD-1       33      45.31  BAYOU FORDOCHE       0.10000    3.53107    2.283   21.72     0.00     6.200     5.900
WSTLD-1      209      11.68  GRAND  BAYOU          0.47459   16.75812   10.833   21.70     0.00     7.400    15.300
WSTLD-1      224       7.93  CATFISH CANAL        0.00651    0.22987    0.149   19.10     0.00    12.000    20.900
WSTLD-1      249       3.02  ICWW DIVERSION      -0.85000  -30.01413  -19.402   25.30     0.00     4.400     7.500
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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-2	20	BAYOU PORTAGE	3.78	15.15	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	33	BAYOU FORDOCHE	4.84	15.92	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	209	GRAND BAYOU	2.77	16.47	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	224	CATFISH CANAL	4.26	24.13	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	249	ICWW DIVERSION	1.50	18.51	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-3	20	BAYOU PORTAGE	0.00	0.00	0.00	0.00
WSTLD-3	33	BAYOU FORDOCHE	0.00	0.00	0.00	0.00
WSTLD-3	209	GRAND BAYOU	0.00	0.00	0.00	0.00
WSTLD-3	224	CATFISH CANAL	0.00	0.00	0.00	0.00
WSTLD-3	249	ICWW DIVERSION	0.00	0.00	0.00	0.00

ENDATA26

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

CARD TYPE	CONSTITUENT	CONCENTRATION		
LOWER BC	TEMPERATURE	=	23.840	deg C
LOWER BC	SALINITY	=	0.000	ppt
LOWER BC	CONSERVATIVE MATERIAL I	=	15.900	MG/L
LOWER BC	CONSERVATIVE MATERIAL II	=	35.200	MG/L
LOWER BC	DISSOLVED OXYGEN	=	2.040	mg/L
LOWER BC	BOD1 BIOCHEMICAL OXYGEN DEMAND	=	6.480	mg/L
LOWER BC	BOD2 BIOCHEMICAL OXYGEN DEMAND	=	0.000	mg/L
LOWER BC	ORGANIC NITROGEN	=	0.000	mg/L
LOWER BC	AMMONIA NITROGEN	=	0.000	mg/L
LOWER BC	NITRATE + NITRITE	=	0.000	mg/L
LOWER BC	PHOSPHORUS	=	0.000	mg/L
LOWER BC	CHLOROPHYLL A	=	14.600	µg/L
LOWER BC	COLIFORM	=	0.000	#/100 mL
LOWER BC	NONCONSERVATIVE MATERIAL	=	0.000	

ENDATA27

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

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

DAM DATA         48           Livonia Weir      1     0.850     0.750     1.622
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

SENSIT           BASEFLOW      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           DEPTH         30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSITIV         REAERATI      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           BOD DECA      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           BOD SETT      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           BENTHAL       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           TEMPERAT       2.0      -2.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           INC INFL      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           INC DO        30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           INC BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW FLOW      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW TEMP       2.0      -2.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW DO        30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL FLOW      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL TEMP       2.0      -2.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL DO        30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           NPS BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
ENDATA29

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


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

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


OVERLAY 1 OVERLAY BGT.TXT                     :REACHES 1-15
OVERLAY 2 OVERLAY BGT.TXT                     :REACHES 1-5
OVERLAY 3 OVERLAY BGT.TXT                     :REACHES 6-8
OVERLAY 4 OVERLAY BGT.TXT                     :REACHES 8-11
OVERLAY 5 OVERLAY BGT.TXT                     :REACHES 11-15
ENDATA31



     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....OXYGEN DEPENDENT RATES CONVERGENT IN   2 ITERATIONS
     .....CONSTITUENT CALCULATIONS COMPLETED
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
     .....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15


FINAL REPORT    False River Overflow                          BAYOU GROSS TETE CALIBRATION
REACH NO.  1      FALSE R CANAL-BGT 2                         08/26/04

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

 ELEM  TYPE        FLOW     TEMP     SALN     CM-I     CM-II      DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN    NH3  NO3+2   PHOS  CHL A     COLI     NCM
 NO.                      deg C      ppt     MG/L      MG/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL

    1  HDWTR     0.00453   23.25     0.00     8.40     16.50   3.69   4.79   0.00  11.63   0.00   0.00   0.00   0.00   0.00  45.60     0.00    0.00
 EACH  INCR      0.00600    0.00     0.00     3.50      5.00   4.25   8.57   0.00                 0.00   0.00   0.00   0.00     0.00     0.00

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

 ELEM   BEGIN  ENDING       FLOW   PCT   ADVCTV    TRAVEL   DEPTH   WIDTH    VOLUME    SURFACE  X-SECT     TIDAL   TIDAL   DISPRSN    MEAN
  NO.    DIST    DIST             EFF     VELO      TIME                                  AREA    AREA     PRISM    VELO             VELO
```

	km	km	m³/s		m/s	days	m	m	m³	m²	m²	m³	m/s	m²/s	m/s
1	52.84	52.57	0.01053	0.0	0.00039	7.89	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
2	52.57	52.30	0.01653	0.0	0.00062	5.03	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.001
3	52.30	52.03	0.02253	0.0	0.00084	3.69	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.001
4	52.03	51.76	0.02853	0.0	0.00107	2.91	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
5	51.76	51.49	0.03453	0.0	0.00129	2.41	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
6	51.49	51.23	0.04053	0.0	0.00152	2.05	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
7	51.23	50.96	0.04653	0.0	0.00174	1.79	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
8	50.96	50.69	0.05253	0.0	0.00197	1.58	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
9	50.69	50.42	0.05853	0.0	0.00219	1.42	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
10	50.42	50.15	0.06453	0.0	0.00242	1.29	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
TOT						30.06			71817.94	88554.79					
AVG					0.0010		0.81	32.92			26.70				
CUM						30.06									

********** 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	52.571	8.53	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	52.302	8.52	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	52.033	8.51	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	51.764	8.50	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	51.495	8.50	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	51.226	8.49	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	50.957	8.48	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	50.688	8.47	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	50.419	8.46	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	50.150	8.46	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.86	0.12	0.05	0.00	0.00	0.00	0.00	1.35			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

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

1	52.571	23.30	0.00	5.62	9.97	4.35	12.47	0.00	19.60	0.00	0.00	0.00	0.00	0.00	0.00	47.55	0.00	0.	0.00
2	52.302	23.35	0.00	4.85	8.17	4.23	13.52	0.00	20.95	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.	0.00
3	52.033	23.40	0.00	4.49	7.32	4.18	13.80	0.00	21.52	0.00	0.00	0.00	0.00	0.00	0.00	51.45	0.00	0.	0.00
4	51.764	23.45	0.00	4.28	6.84	4.14	13.89	0.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	53.40	0.00	0.	0.00
5	51.495	23.50	0.00	4.15	6.52	4.12	13.92	0.00	22.23	0.00	0.00	0.00	0.00	0.00	0.00	55.35	0.00	0.	0.00
6	51.226	23.56	0.00	4.05	6.29	4.11	13.93	0.00	22.53	0.00	0.00	0.00	0.00	0.00	0.00	57.30	0.00	0.	0.00
7	50.957	23.61	0.00	3.98	6.13	4.09	13.93	0.00	22.82	0.00	0.00	0.00	0.00	0.00	0.00	59.25	0.00	0.	0.00
8	50.688	23.66	0.00	3.92	6.00	4.08	13.92	0.00	23.10	0.00	0.00	0.00	0.00	0.00	0.00	61.20	0.00	0.	0.00
9	50.419	23.71	0.00	3.88	5.89	4.07	13.91	0.00	23.38	0.00	0.00	0.00	0.00	0.00	0.00	63.15	0.00	0.	0.00
10	50.150	23.76	0.00	3.85	5.81	4.05	13.90	0.00	23.66	0.00	0.00	0.00	0.00	0.00	0.00	65.10	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 2 BGT 2-B. PORTAGE 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
11	UPR RCH	0.06453	23.76	0.00	3.85	5.81	4.05	13.90	0.00	23.66	0.00	0.00	0.00	0.00	0.00	65.10	0.00	0.00
EACH	INCR	0.00444	0.00	0.00	3.50	5.00	3.75	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
11	50.15	49.94	0.06897	0.0	0.00258	0.94	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.003
12	49.94	49.73	0.07342	0.0	0.00275	0.88	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.003
13	49.73	49.52	0.07786	0.0	0.00292	0.83	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
14	49.52	49.31	0.08231	0.0	0.00308	0.79	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
15	49.31	49.10	0.08675	0.0	0.00325	0.75	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
16	49.10	48.89	0.09120	0.0	0.00342	0.71	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
17	48.89	48.68	0.09564	0.0	0.00358	0.68	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.004
18	48.68	48.47	0.10009	0.0	0.00375	0.65	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.004
19	48.47	48.26	0.10453	0.0	0.00392	0.62	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.004
TOT						6.85			50459.45	62218.80					
AVG					0.0032		0.81	32.92			26.70				
CUM						36.91									

********** 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
11	49.940	8.45	0.93	0.13	0.05	0.00	0.00	0.00	0.00	1.90	1.90	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	49.730	8.45	0.93	0.13	0.05	0.00	0.00	0.00	0.00	1.91	1.91	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	49.520	8.44	0.94	0.13	0.05	0.00	0.00	0.00	0.00	1.91	1.91	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	49.310	8.44	0.94	0.13	0.05	0.00	0.00	0.00	0.00	1.91	1.91	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	49.100	8.43	0.94	0.13	0.05	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	0.00	0.00	0.00	0.00	0.00
16	48.890	8.43	0.95	0.13	0.05	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	0.00	0.00	0.00	0.00	0.00
17	48.680	8.43	0.95	0.13	0.05	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	0.00	0.00	0.00	0.00	0.00
18	48.470	8.42	0.96	0.13	0.05	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	48.260	8.42	0.96	0.13	0.05	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.88	0.11	0.05	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
11	49.940	23.79	0.00	3.82	5.76	4.00	14.36	0.00	23.87	0.00	0.00	0.00	0.00	0.00	0.00	63.42	0.00	0.	0.00
12	49.730	23.81	0.00	3.80	5.71	3.96	14.70	0.00	23.97	0.00	0.00	0.00	0.00	0.00	0.00	61.74	0.00	0.	0.00
13	49.520	23.84	0.00	3.79	5.67	3.92	14.97	0.00	23.98	0.00	0.00	0.00	0.00	0.00	0.00	60.07	0.00	0.	0.00
14	49.310	23.87	0.00	3.77	5.64	3.89	15.17	0.00	23.93	0.00	0.00	0.00	0.00	0.00	0.00	58.39	0.00	0.	0.00
15	49.100	23.89	0.00	3.76	5.60	3.87	15.33	0.00	23.84	0.00	0.00	0.00	0.00	0.00	0.00	56.71	0.00	0.	0.00
16	48.890	23.92	0.00	3.74	5.57	3.86	15.46	0.00	23.71	0.00	0.00	0.00	0.00	0.00	0.00	55.03	0.00	0.	0.00
17	48.680	23.95	0.00	3.73	5.55	3.85	15.56	0.00	23.56	0.00	0.00	0.00	0.00	0.00	0.00	53.36	0.00	0.	0.00
18	48.470	23.97	0.00	3.72	5.52	3.84	15.64	0.00	23.39	0.00	0.00	0.00	0.00	0.00	0.00	51.68	0.00	0.	0.00
19	48.260	24.00	0.00	3.75	5.55	3.83	15.70	0.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 3 B. PORTAGE-UNNAMED CANAL 08/26/04

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

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

NO.			deg C	ppt	MG/L	MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	#/100mL	
20	UPR RCH	0.10453	24.00	0.00	3.75	5.55	3.83	15.70	0.00	23.20	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
EACH	INCR	0.01250	0.00	0.00	3.50	5.00	3.50	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	
20	WSTLD	0.50000	21.50	0.00	8.00	12.50	3.78	15.15	0.00	15.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
20	48.26	48.16	0.61703	81.0	0.02200	0.05	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.012	0.022
21	48.16	48.06	0.62953	79.4	0.02244	0.05	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.012	0.022
TOT						0.10			5610.00	6800.00					
AVG					0.0222		0.82	34.00			28.05				
CUM						37.02									

********** 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
20	48.160	8.42	1.28	0.12	0.05	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	0.00	0.00
21	48.060	8.42	1.29	0.12	0.05	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	0.00	0.00
AVG 20 DEG C RATE			1.19	0.10	0.05	0.00	0.00	0.00	0.00	3.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
20	48.160	24.00	0.00	7.18	11.16	3.75	15.20	0.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.	0.00
21	48.060	24.00	0.00	7.11	11.04	3.72	15.16	0.00	22.66	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.	0.00

REACH NO. 4 UNNAMED CANAL-B. FORDOCHE 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
22	UPR RCH	0.62953	24.00	0.00	7.11	11.04	3.72	15.16	0.00	22.66	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
EACH	INCR	0.00455	0.00	0.00	3.50	5.00	3.25	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
22	48.06	47.81	0.63408	78.9	0.02109	0.14	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.021
23	47.81	47.56	0.63862	78.3	0.02124	0.14	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.021
24	47.56	47.31	0.64317	77.7	0.02140	0.14	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.021
25	47.31	47.06	0.64771	77.2	0.02155	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
26	47.06	46.81	0.65226	76.7	0.02170	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
27	46.81	46.56	0.65680	76.1	0.02185	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
28	46.56	46.31	0.66135	75.6	0.02200	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
29	46.31	46.06	0.66589	75.1	0.02215	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
30	46.06	45.81	0.67044	74.6	0.02230	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
31	45.81	45.56	0.67498	74.1	0.02245	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.013	0.022
32	45.56	45.31	0.67953	73.6	0.02261	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.013	0.023
TOT						1.46			82665.00	99000.00					
AVG					0.0218		0.83	36.00			30.06				
CUM						38.48									

********** 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
22	47.810	8.42	1.25	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	47.560	8.42	1.25	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	47.310	8.42	1.25	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	47.060	8.42	1.26	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

26	46.810	8.42	1.26	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	46.560	8.42	1.26	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	46.310	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	46.060	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	45.810	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	45.560	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	45.310	8.42	1.28	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.17	0.10	0.05	0.00	0.00	0.00	0.00	3.75			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
22	47.810	24.00	0.00	7.08	11.00	3.52	15.13	0.00	22.53	0.00	0.00	0.00	0.00	0.00	0.00	49.32	0.00	0.	0.00
23	47.560	24.00	0.00	7.06	10.95	3.35	15.10	0.00	22.39	0.00	0.00	0.00	0.00	0.00	0.00	48.64	0.00	0.	0.00
24	47.310	24.00	0.00	7.03	10.91	3.21	15.07	0.00	22.26	0.00	0.00	0.00	0.00	0.00	0.00	47.95	0.00	0.	0.00
25	47.060	24.00	0.00	7.01	10.87	3.10	15.04	0.00	22.13	0.00	0.00	0.00	0.00	0.00	0.00	47.27	0.00	0.	0.00
26	46.810	24.00	0.00	6.98	10.83	3.00	15.01	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	46.59	0.00	0.	0.00
27	46.560	24.00	0.00	6.96	10.79	2.93	14.98	0.00	21.87	0.00	0.00	0.00	0.00	0.00	0.00	45.91	0.00	0.	0.00
28	46.310	24.00	0.00	6.94	10.75	2.86	14.96	0.00	21.74	0.00	0.00	0.00	0.00	0.00	0.00	45.23	0.00	0.	0.00
29	46.060	24.00	0.00	6.91	10.71	2.81	14.93	0.00	21.62	0.00	0.00	0.00	0.00	0.00	0.00	44.55	0.00	0.	0.00
30	45.810	24.00	0.00	6.89	10.67	2.77	14.91	0.00	21.49	0.00	0.00	0.00	0.00	0.00	0.00	43.86	0.00	0.	0.00
31	45.560	24.00	0.00	6.87	10.63	2.73	14.89	0.00	21.36	0.00	0.00	0.00	0.00	0.00	0.00	43.18	0.00	0.	0.00
32	45.310	24.00	0.00	6.84	10.59	2.71	14.86	0.00	21.24	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 5 B. FORDOCHE-BGT 3 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
33	UPR RCH	0.67953	24.00	0.00	6.84	10.59	2.71	14.86	0.00	21.24	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
EACH	INCR	0.00600	0.00	0.00	3.50	5.00	2.75	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	
33	WSTLD	0.10000	21.72	0.00	6.20	5.90	4.84	15.92	0.00	15.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
33	45.31	45.11	0.78553	76.4	0.02454	0.10	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
34	45.11	44.91	0.79153	75.8	0.02472	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
35	44.91	44.70	0.79753	75.2	0.02491	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
36	44.70	44.50	0.80353	74.7	0.02510	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
37	44.50	44.30	0.80953	74.1	0.02528	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
TOT						0.47			32336.76	38178.00					
AVG					0.0249		0.85	37.80			32.02				
CUM						38.95									

********** 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
33	45.108	8.40	1.30	0.11	0.06	0.00	0.00	0.00	0.00	4.86	4.86	4.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	44.906	8.38	1.30	0.12	0.06	0.00	0.00	0.00	0.00	4.89	4.89	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	44.704	8.37	1.31	0.12	0.06	0.00	0.00	0.00	0.00	4.93	4.93	4.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	44.502	8.35	1.31	0.12	0.06	0.00	0.00	0.00	0.00	4.96	4.96	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	44.300	8.33	1.32	0.12	0.06	0.00	0.00	0.00	0.00	4.99	4.99	4.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.20	0.09	0.05	0.00	0.00	0.00	0.00	3.75			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
33	45.108	24.11	0.00	6.74	9.95	2.94	14.93	0.00	21.30	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
34	44.906	24.22	0.00	6.71	9.92	2.91	14.86	0.00	21.24	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
35	44.704	24.33	0.00	6.69	9.88	2.87	14.79	0.00	21.17	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
36	44.502	24.44	0.00	6.66	9.84	2.84	14.73	0.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
37	44.300	24.55	0.00	6.64	9.81	2.81	14.66	0.00	21.04	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 6 BGT 3-BGT 3A 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
38	UPR RCH	0.80953	24.55	0.00	6.64	9.81	2.81	14.66	0.00	21.04	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
EACH	INCR	-0.01500																

********** 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
38	44.30	44.15	0.79453	74.1	0.02482	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.014	0.025
39	44.15	44.01	0.77953	74.1	0.02435	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.014	0.024
40	44.01	43.86	0.76453	74.1	0.02388	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.024
41	43.86	43.72	0.74953	74.1	0.02341	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.023
42	43.72	43.57	0.73453	74.1	0.02294	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.023
43	43.57	43.43	0.71953	74.1	0.02247	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.022
44	43.43	43.28	0.70453	74.1	0.02201	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.022
45	43.28	43.14	0.68953	74.1	0.02154	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.022
46	43.14	42.99	0.67453	74.1	0.02107	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.021
47	42.99	42.85	0.65953	74.1	0.02060	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.021
TOT						0.74			46424.07	54810.00					
AVG					0.0226		0.85	37.80			32.02				
CUM						39.69									

********** 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
38	44.155	8.33	1.31	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	44.010	8.33	1.30	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	43.865	8.33	1.30	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

41	43.720	8.33	1.29	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	43.575	8.33	1.28	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	43.430	8.33	1.27	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	43.285	8.33	1.26	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	43.140	8.33	1.25	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	42.995	8.33	1.24	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	42.850	8.33	1.23	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.17	0.09	0.05	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
38	44.155	24.55	0.00	6.64	9.81	2.81	14.75	0.00	21.12	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
39	44.010	24.55	0.00	6.64	9.81	2.81	14.83	0.00	21.20	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
40	43.865	24.55	0.00	6.64	9.81	2.81	14.91	0.00	21.29	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
41	43.720	24.55	0.00	6.64	9.81	2.80	15.00	0.00	21.37	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
42	43.575	24.55	0.00	6.64	9.81	2.79	15.09	0.00	21.46	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
43	43.430	24.55	0.00	6.64	9.81	2.78	15.17	0.00	21.55	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
44	43.285	24.55	0.00	6.64	9.81	2.76	15.26	0.00	21.63	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
45	43.140	24.55	0.00	6.64	9.81	2.74	15.35	0.00	21.72	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
46	42.995	24.55	0.00	6.64	9.81	2.72	15.44	0.00	21.81	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
47	42.850	24.55	0.00	6.64	9.81	2.69	15.53	0.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 7 BGT 3A-BGT 3B 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
48	UPR RCH	0.65953	24.55	0.00	6.64	9.81	2.69	15.53	0.00	21.90	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
48	DAM	Livonia Weir ADDS 2.30 MG/L DISSOLVED OXYGEN GIVING 4.99 MG/L D.O. FOR THE UPR RCH INPUT																

********** 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
48	42.85	42.84	0.65953	74.1	0.02060	0.01	0.85	37.80	320.17	378.00	32.02	0.00	0.000	0.012	0.021
TOT						0.01			320.17	378.00					
AVG					0.0206		0.85	37.80			32.02				
CUM						39.69									

********** 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
48	42.840	8.31	1.24	0.12	0.06	0.00	0.00	0.00	0.00	2.69	2.69	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.13	0.10	0.05	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
48	42.840	24.72	0.00	6.64	9.81	4.98	15.51	0.00	21.89	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 8 BGT 3B-BGT 4 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
49	UPR RCH	0.65953	24.72	0.00	6.64	9.81	4.98	15.51	0.00	21.89	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
EACH	INCR	0.00260	0.00	0.00	3.50	5.00	4.75	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
49	42.84	42.68	0.66213	73.8	0.04621	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.020	0.046
50	42.68	42.51	0.66473	73.5	0.04639	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.046
51	42.51	42.35	0.66733	73.3	0.04657	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
52	42.35	42.18	0.66993	73.0	0.04675	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
53	42.18	42.02	0.67253	72.7	0.04693	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
54	42.02	41.85	0.67513	72.4	0.04711	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
55	41.85	41.69	0.67773	72.1	0.04729	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
56	41.69	41.53	0.68033	71.9	0.04748	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
57	41.53	41.36	0.68293	71.6	0.04766	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
58	41.36	41.20	0.68553	71.3	0.04784	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
59	41.20	41.03	0.68813	71.0	0.04802	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
60	41.03	40.87	0.69073	70.8	0.04820	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
61	40.87	40.71	0.69333	70.5	0.04838	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
62	40.71	40.54	0.69593	70.2	0.04856	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.049
63	40.54	40.38	0.69853	70.0	0.04875	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
64	40.38	40.21	0.70113	69.7	0.04893	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
65	40.21	40.05	0.70373	69.5	0.04911	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
66	40.05	39.88	0.70633	69.2	0.04929	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
67	39.88	39.72	0.70893	69.0	0.04947	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
68	39.72	39.56	0.71153	68.7	0.04965	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
69	39.56	39.39	0.71413	68.5	0.04983	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
70	39.39	39.23	0.71673	68.2	0.05002	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
71	39.23	39.06	0.71933	68.0	0.05020	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
72	39.06	38.90	0.72193	67.7	0.05038	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
73	38.90	38.74	0.72453	67.5	0.05056	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.051
74	38.74	38.57	0.72713	67.2	0.05074	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.051
75	38.57	38.41	0.72973	67.0	0.05092	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
76	38.41	38.24	0.73233	66.7	0.05110	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
77	38.24	38.08	0.73493	66.5	0.05129	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
78	38.08	37.91	0.73753	66.3	0.05147	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
79	37.91	37.75	0.74013	66.0	0.05165	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
80	37.75	37.59	0.74273	65.8	0.05183	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
81	37.59	37.42	0.74533	65.6	0.05201	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
82	37.42	37.26	0.74793	65.4	0.05219	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
83	37.26	37.09	0.75053	65.1	0.05237	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
84	37.09	36.93	0.75313	64.9	0.05256	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
85	36.93	36.76	0.75573	64.7	0.05274	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
86	36.76	36.60	0.75833	64.5	0.05292	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
87	36.60	36.44	0.76093	64.2	0.05310	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053

88	36.44	36.27	0.76353	64.0	0.05328	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.053
89	36.27	36.11	0.76613	63.8	0.05346	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.053
90	36.11	35.94	0.76873	63.6	0.05364	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
91	35.94	35.78	0.77133	63.4	0.05383	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
92	35.78	35.62	0.77393	63.2	0.05401	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
93	35.62	35.45	0.77653	62.9	0.05419	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
94	35.45	35.29	0.77913	62.7	0.05437	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
95	35.29	35.12	0.78173	62.5	0.05455	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
96	35.12	34.96	0.78433	62.3	0.05473	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
97	34.96	34.79	0.78693	62.1	0.05491	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
98	34.79	34.63	0.78953	61.9	0.05510	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
TOT						1.88			117649.32	186449.16					
AVG					0.0505		0.63	22.71			14.33				
CUM						41.57									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
49	42.676	8.31	2.30	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	42.512	8.31	2.30	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	42.347	8.31	2.31	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	42.183	8.31	2.31	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	42.019	8.31	2.32	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	41.855	8.31	2.32	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	41.691	8.31	2.32	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	41.526	8.31	2.33	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	41.362	8.31	2.33	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	41.198	8.31	2.34	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	41.034	8.31	2.34	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	40.870	8.31	2.35	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	40.705	8.31	2.35	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	40.541	8.31	2.36	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	40.377	8.31	2.36	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	40.213	8.31	2.36	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	40.049	8.31	2.37	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	39.884	8.31	2.37	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	39.720	8.31	2.38	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	39.556	8.31	2.38	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	39.392	8.31	2.39	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	39.228	8.31	2.39	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

71	39.063	8.31	2.40	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	38.899	8.31	2.40	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	38.735	8.31	2.41	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	38.571	8.31	2.41	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.407	8.31	2.41	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	38.242	8.31	2.42	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	38.078	8.31	2.42	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	37.914	8.31	2.43	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	37.750	8.31	2.43	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	37.586	8.31	2.44	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	37.421	8.31	2.44	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	37.257	8.31	2.45	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	37.093	8.31	2.45	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	36.929	8.31	2.45	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	36.765	8.31	2.46	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	36.600	8.31	2.46	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	36.436	8.31	2.47	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	36.272	8.31	2.47	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	36.108	8.31	2.48	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	35.944	8.31	2.48	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	35.779	8.31	2.49	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	35.615	8.31	2.49	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	35.451	8.31	2.50	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	35.287	8.31	2.50	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	35.123	8.31	2.50	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	34.958	8.31	2.51	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	34.794	8.31	2.51	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	34.630	8.31	2.52	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			2.20	0.10	0.05	0.00	0.00	0.00	0.00	3.25			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
49	42.676	24.72	0.00	6.63	9.79	4.93	15.46	0.00	21.95	0.00	0.00	0.00	0.00	0.00	0.00	43.31	0.00	0.	0.00
50	42.512	24.72	0.00	6.62	9.77	4.89	15.40	0.00	22.02	0.00	0.00	0.00	0.00	0.00	0.00	44.13	0.00	0.	0.00
51	42.347	24.72	0.00	6.60	9.75	4.85	15.35	0.00	22.09	0.00	0.00	0.00	0.00	0.00	0.00	44.94	0.00	0.	0.00
52	42.183	24.72	0.00	6.59	9.73	4.81	15.30	0.00	22.16	0.00	0.00	0.00	0.00	0.00	0.00	45.76	0.00	0.	0.00
53	42.019	24.72	0.00	6.58	9.72	4.78	15.24	0.00	22.23	0.00	0.00	0.00	0.00	0.00	0.00	46.57	0.00	0.	0.00
54	41.855	24.72	0.00	6.57	9.70	4.76	15.19	0.00	22.30	0.00	0.00	0.00	0.00	0.00	0.00	47.38	0.00	0.	0.00

55	41.691	24.72	0.00	6.56	9.68	4.73	15.14	0.00	22.37	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.	0.00
56	41.526	24.72	0.00	6.54	9.66	4.71	15.09	0.00	22.45	0.00	0.00	0.00	0.00	0.00	0.00	49.01	0.00	0.	0.00
57	41.362	24.72	0.00	6.53	9.64	4.69	15.05	0.00	22.52	0.00	0.00	0.00	0.00	0.00	0.00	49.83	0.00	0.	0.00
58	41.198	24.72	0.00	6.52	9.63	4.68	15.00	0.00	22.59	0.00	0.00	0.00	0.00	0.00	0.00	50.64	0.00	0.	0.00
59	41.034	24.72	0.00	6.51	9.61	4.66	14.95	0.00	22.67	0.00	0.00	0.00	0.00	0.00	0.00	51.45	0.00	0.	0.00
60	40.870	24.72	0.00	6.50	9.59	4.65	14.90	0.00	22.74	0.00	0.00	0.00	0.00	0.00	0.00	52.27	0.00	0.	0.00
61	40.705	24.72	0.00	6.49	9.57	4.64	14.86	0.00	22.82	0.00	0.00	0.00	0.00	0.00	0.00	53.08	0.00	0.	0.00
62	40.541	24.72	0.00	6.48	9.56	4.63	14.81	0.00	22.90	0.00	0.00	0.00	0.00	0.00	0.00	53.90	0.00	0.	0.00
63	40.377	24.72	0.00	6.47	9.54	4.63	14.77	0.00	22.98	0.00	0.00	0.00	0.00	0.00	0.00	54.71	0.00	0.	0.00
64	40.213	24.72	0.00	6.45	9.52	4.62	14.73	0.00	23.05	0.00	0.00	0.00	0.00	0.00	0.00	55.52	0.00	0.	0.00
65	40.049	24.72	0.00	6.44	9.51	4.62	14.68	0.00	23.13	0.00	0.00	0.00	0.00	0.00	0.00	56.34	0.00	0.	0.00
66	39.884	24.72	0.00	6.43	9.49	4.62	14.64	0.00	23.21	0.00	0.00	0.00	0.00	0.00	0.00	57.15	0.00	0.	0.00
67	39.720	24.72	0.00	6.42	9.47	4.61	14.60	0.00	23.29	0.00	0.00	0.00	0.00	0.00	0.00	57.97	0.00	0.	0.00
68	39.556	24.72	0.00	6.41	9.46	4.61	14.56	0.00	23.37	0.00	0.00	0.00	0.00	0.00	0.00	58.78	0.00	0.	0.00
69	39.392	24.72	0.00	6.40	9.44	4.61	14.52	0.00	23.46	0.00	0.00	0.00	0.00	0.00	0.00	59.59	0.00	0.	0.00
70	39.228	24.72	0.00	6.39	9.42	4.61	14.48	0.00	23.54	0.00	0.00	0.00	0.00	0.00	0.00	60.41	0.00	0.	0.00
71	39.063	24.72	0.00	6.38	9.41	4.62	14.44	0.00	23.62	0.00	0.00	0.00	0.00	0.00	0.00	61.22	0.00	0.	0.00
72	38.899	24.72	0.00	6.37	9.39	4.62	14.40	0.00	23.70	0.00	0.00	0.00	0.00	0.00	0.00	62.04	0.00	0.	0.00
73	38.735	24.72	0.00	6.36	9.38	4.62	14.36	0.00	23.79	0.00	0.00	0.00	0.00	0.00	0.00	62.85	0.00	0.	0.00
74	38.571	24.72	0.00	6.35	9.36	4.62	14.32	0.00	23.87	0.00	0.00	0.00	0.00	0.00	0.00	63.66	0.00	0.	0.00
75	38.407	24.72	0.00	6.34	9.35	4.63	14.28	0.00	23.96	0.00	0.00	0.00	0.00	0.00	0.00	64.48	0.00	0.	0.00
76	38.242	24.72	0.00	6.33	9.33	4.63	14.25	0.00	24.04	0.00	0.00	0.00	0.00	0.00	0.00	65.29	0.00	0.	0.00
77	38.078	24.72	0.00	6.32	9.31	4.64	14.21	0.00	24.13	0.00	0.00	0.00	0.00	0.00	0.00	66.11	0.00	0.	0.00
78	37.914	24.72	0.00	6.31	9.30	4.64	14.18	0.00	24.21	0.00	0.00	0.00	0.00	0.00	0.00	66.92	0.00	0.	0.00
79	37.750	24.72	0.00	6.30	9.28	4.65	14.14	0.00	24.30	0.00	0.00	0.00	0.00	0.00	0.00	67.73	0.00	0.	0.00
80	37.586	24.72	0.00	6.29	9.27	4.65	14.11	0.00	24.39	0.00	0.00	0.00	0.00	0.00	0.00	68.55	0.00	0.	0.00
81	37.421	24.72	0.00	6.28	9.25	4.66	14.07	0.00	24.48	0.00	0.00	0.00	0.00	0.00	0.00	69.36	0.00	0.	0.00
82	37.257	24.72	0.00	6.27	9.24	4.66	14.04	0.00	24.56	0.00	0.00	0.00	0.00	0.00	0.00	70.18	0.00	0.	0.00
83	37.093	24.72	0.00	6.26	9.23	4.67	14.00	0.00	24.65	0.00	0.00	0.00	0.00	0.00	0.00	70.99	0.00	0.	0.00
84	36.929	24.72	0.00	6.25	9.21	4.67	13.97	0.00	24.74	0.00	0.00	0.00	0.00	0.00	0.00	71.80	0.00	0.	0.00
85	36.765	24.72	0.00	6.24	9.20	4.68	13.94	0.00	24.83	0.00	0.00	0.00	0.00	0.00	0.00	72.62	0.00	0.	0.00
86	36.600	24.72	0.00	6.23	9.18	4.69	13.91	0.00	24.92	0.00	0.00	0.00	0.00	0.00	0.00	73.43	0.00	0.	0.00
87	36.436	24.72	0.00	6.22	9.17	4.69	13.87	0.00	25.01	0.00	0.00	0.00	0.00	0.00	0.00	74.25	0.00	0.	0.00
88	36.272	24.72	0.00	6.21	9.15	4.70	13.84	0.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	75.06	0.00	0.	0.00
89	36.108	24.72	0.00	6.20	9.14	4.71	13.81	0.00	25.19	0.00	0.00	0.00	0.00	0.00	0.00	75.87	0.00	0.	0.00
90	35.944	24.72	0.00	6.19	9.13	4.71	13.78	0.00	25.28	0.00	0.00	0.00	0.00	0.00	0.00	76.69	0.00	0.	0.00
91	35.779	24.72	0.00	6.19	9.11	4.72	13.75	0.00	25.38	0.00	0.00	0.00	0.00	0.00	0.00	77.50	0.00	0.	0.00
92	35.615	24.72	0.00	6.18	9.10	4.73	13.72	0.00	25.47	0.00	0.00	0.00	0.00	0.00	0.00	78.32	0.00	0.	0.00
93	35.451	24.72	0.00	6.17	9.08	4.73	13.69	0.00	25.56	0.00	0.00	0.00	0.00	0.00	0.00	79.13	0.00	0.	0.00
94	35.287	24.72	0.00	6.16	9.07	4.74	13.66	0.00	25.66	0.00	0.00	0.00	0.00	0.00	0.00	79.94	0.00	0.	0.00
95	35.123	24.72	0.00	6.15	9.06	4.75	13.64	0.00	25.75	0.00	0.00	0.00	0.00	0.00	0.00	80.76	0.00	0.	0.00
96	34.958	24.72	0.00	6.14	9.04	4.75	13.61	0.00	25.84	0.00	0.00	0.00	0.00	0.00	0.00	81.57	0.00	0.	0.00
97	34.794	24.72	0.00	6.13	9.03	4.76	13.58	0.00	25.94	0.00	0.00	0.00	0.00	0.00	0.00	82.39	0.00	0.	0.00
98	34.630	24.72	0.00	6.12	9.02	4.77	13.55	0.00	26.03	0.00	0.00	0.00	0.00	0.00	0.00	83.20	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 9 BGT 4-BGT 5 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
99	UPR RCH	0.78953	24.72	0.00	6.12	9.02	4.77	13.55	0.00	26.03	0.00	0.00	0.00	0.00	0.00	83.20	0.00	0.00
EACH	INCR	-0.00016																

********** 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
99	34.63	34.44	0.78937	61.9	0.02968	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
100	34.44	34.24	0.78921	61.9	0.02967	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
101	34.24	34.05	0.78905	61.9	0.02967	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
102	34.05	33.86	0.78889	61.9	0.02966	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
103	33.86	33.66	0.78873	61.9	0.02966	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
104	33.66	33.47	0.78857	61.9	0.02965	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
105	33.47	33.27	0.78841	61.9	0.02964	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
106	33.27	33.08	0.78825	61.9	0.02964	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
107	33.08	32.89	0.78809	61.9	0.02963	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
108	32.89	32.69	0.78793	61.9	0.02963	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
109	32.69	32.50	0.78777	61.9	0.02962	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
110	32.50	32.31	0.78761	61.9	0.02961	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
111	32.31	32.11	0.78745	61.9	0.02961	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
112	32.11	31.92	0.78729	61.9	0.02960	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
113	31.92	31.73	0.78713	61.9	0.02960	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
114	31.73	31.53	0.78697	61.9	0.02959	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
115	31.53	31.34	0.78681	61.9	0.02958	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
116	31.34	31.15	0.78665	61.9	0.02958	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
117	31.15	30.95	0.78649	61.9	0.02957	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
118	30.95	30.76	0.78633	61.9	0.02957	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
119	30.76	30.56	0.78617	61.9	0.02956	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
120	30.56	30.37	0.78601	61.9	0.02955	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
121	30.37	30.18	0.78585	61.9	0.02955	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
122	30.18	29.98	0.78569	61.9	0.02954	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
123	29.98	29.79	0.78553	61.9	0.02954	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030

124	29.79	29.60	0.78537	61.9	0.02953	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
125	29.60	29.40	0.78521	61.9	0.02952	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
126	29.40	29.21	0.78505	61.9	0.02952	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
127	29.21	29.02	0.78489	61.9	0.02951	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
128	29.02	28.82	0.78473	61.9	0.02950	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
129	28.82	28.63	0.78457	61.9	0.02950	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
130	28.63	28.43	0.78441	61.9	0.02949	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
131	28.43	28.24	0.78425	61.9	0.02949	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
132	28.24	28.05	0.78409	61.9	0.02948	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
133	28.05	27.85	0.78393	61.9	0.02947	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
134	27.85	27.66	0.78377	61.9	0.02947	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
135	27.66	27.47	0.78361	61.9	0.02946	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
136	27.47	27.27	0.78345	61.9	0.02946	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
137	27.27	27.08	0.78329	61.9	0.02945	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
138	27.08	26.89	0.78313	61.9	0.02944	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
139	26.89	26.69	0.78297	61.9	0.02944	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
140	26.69	26.50	0.78281	61.9	0.02943	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
141	26.50	26.31	0.78265	61.9	0.02943	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
142	26.31	26.11	0.78249	61.9	0.02942	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
143	26.11	25.92	0.78233	61.9	0.02941	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
144	25.92	25.72	0.78217	61.9	0.02941	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
145	25.72	25.53	0.78201	61.9	0.02940	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
146	25.53	25.34	0.78185	61.9	0.02940	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
147	25.34	25.14	0.78169	61.9	0.02939	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
148	25.14	24.95	0.78153	61.9	0.02938	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
TOT						3.79			257454.88	200666.41					
AVG					0.0295		1.28	20.73			26.60				
CUM						45.37									

********** 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
99	34.436	8.31	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	34.243	8.31	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	34.049	8.31	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	33.856	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	33.662	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	33.468	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	33.275	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	33.081	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

107	32.888	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	32.694	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	32.500	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	32.307	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	32.113	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	31.920	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	31.726	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	31.532	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	31.339	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	31.145	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	30.952	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	30.758	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	30.564	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	30.371	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	30.177	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	29.984	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	29.790	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	29.596	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	29.403	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	29.209	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	29.016	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	28.822	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	28.628	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	28.435	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	28.241	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	28.048	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	27.854	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	27.660	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	27.467	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	27.273	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	27.080	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	26.886	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	26.692	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	26.499	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	26.305	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	26.112	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	25.918	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	25.724	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	25.531	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	25.337	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.05	3.05	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	25.144	8.29	0.60	0.12	0.06	0.00	0.00	0.00	0.00	3.05	3.05	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	24.950	8.29	0.60	0.12	0.06	0.00	0.00	0.00	0.00	3.05	3.05	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.55	0.11	0.05	0.00	0.00	0.00	0.00	2.25			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
99	34.436	24.72	0.00	6.12	9.02	4.62	13.54	0.00	25.85	0.00	0.00	0.00	0.00	0.00	0.00	82.07	0.00	0.	0.00
100	34.243	24.72	0.00	6.12	9.02	4.48	13.52	0.00	25.66	0.00	0.00	0.00	0.00	0.00	0.00	80.94	0.00	0.	0.00
101	34.049	24.73	0.00	6.12	9.02	4.35	13.51	0.00	25.48	0.00	0.00	0.00	0.00	0.00	0.00	79.81	0.00	0.	0.00
102	33.856	24.73	0.00	6.12	9.02	4.22	13.49	0.00	25.29	0.00	0.00	0.00	0.00	0.00	0.00	78.68	0.00	0.	0.00
103	33.662	24.73	0.00	6.12	9.02	4.10	13.48	0.00	25.11	0.00	0.00	0.00	0.00	0.00	0.00	77.54	0.00	0.	0.00
104	33.468	24.73	0.00	6.12	9.02	3.98	13.46	0.00	24.92	0.00	0.00	0.00	0.00	0.00	0.00	76.41	0.00	0.	0.00
105	33.275	24.73	0.00	6.12	9.02	3.87	13.45	0.00	24.74	0.00	0.00	0.00	0.00	0.00	0.00	75.28	0.00	0.	0.00
106	33.081	24.73	0.00	6.12	9.02	3.76	13.43	0.00	24.55	0.00	0.00	0.00	0.00	0.00	0.00	74.15	0.00	0.	0.00
107	32.888	24.74	0.00	6.12	9.02	3.66	13.42	0.00	24.37	0.00	0.00	0.00	0.00	0.00	0.00	73.02	0.00	0.	0.00
108	32.694	24.74	0.00	6.12	9.02	3.56	13.40	0.00	24.19	0.00	0.00	0.00	0.00	0.00	0.00	71.89	0.00	0.	0.00
109	32.500	24.74	0.00	6.12	9.02	3.47	13.39	0.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	70.76	0.00	0.	0.00
110	32.307	24.74	0.00	6.12	9.02	3.38	13.38	0.00	23.82	0.00	0.00	0.00	0.00	0.00	0.00	69.63	0.00	0.	0.00
111	32.113	24.74	0.00	6.12	9.02	3.29	13.36	0.00	23.64	0.00	0.00	0.00	0.00	0.00	0.00	68.50	0.00	0.	0.00
112	31.920	24.75	0.00	6.12	9.02	3.21	13.35	0.00	23.45	0.00	0.00	0.00	0.00	0.00	0.00	67.37	0.00	0.	0.00
113	31.726	24.75	0.00	6.12	9.02	3.13	13.34	0.00	23.27	0.00	0.00	0.00	0.00	0.00	0.00	66.24	0.00	0.	0.00
114	31.532	24.75	0.00	6.12	9.02	3.06	13.32	0.00	23.09	0.00	0.00	0.00	0.00	0.00	0.00	65.10	0.00	0.	0.00
115	31.339	24.75	0.00	6.12	9.02	2.98	13.31	0.00	22.91	0.00	0.00	0.00	0.00	0.00	0.00	63.97	0.00	0.	0.00
116	31.145	24.75	0.00	6.12	9.02	2.92	13.30	0.00	22.72	0.00	0.00	0.00	0.00	0.00	0.00	62.84	0.00	0.	0.00
117	30.952	24.75	0.00	6.12	9.02	2.85	13.28	0.00	22.54	0.00	0.00	0.00	0.00	0.00	0.00	61.71	0.00	0.	0.00
118	30.758	24.76	0.00	6.12	9.02	2.79	13.27	0.00	22.36	0.00	0.00	0.00	0.00	0.00	0.00	60.58	0.00	0.	0.00
119	30.564	24.76	0.00	6.12	9.02	2.73	13.26	0.00	22.18	0.00	0.00	0.00	0.00	0.00	0.00	59.45	0.00	0.	0.00
120	30.371	24.76	0.00	6.12	9.02	2.67	13.25	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	58.32	0.00	0.	0.00
121	30.177	24.76	0.00	6.12	9.02	2.62	13.24	0.00	21.81	0.00	0.00	0.00	0.00	0.00	0.00	57.19	0.00	0.	0.00
122	29.984	24.76	0.00	6.12	9.02	2.57	13.22	0.00	21.63	0.00	0.00	0.00	0.00	0.00	0.00	56.06	0.00	0.	0.00
123	29.790	24.76	0.00	6.12	9.02	2.52	13.21	0.00	21.45	0.00	0.00	0.00	0.00	0.00	0.00	54.92	0.00	0.	0.00
124	29.596	24.77	0.00	6.12	9.02	2.47	13.20	0.00	21.27	0.00	0.00	0.00	0.00	0.00	0.00	53.79	0.00	0.	0.00
125	29.403	24.77	0.00	6.12	9.02	2.42	13.19	0.00	21.09	0.00	0.00	0.00	0.00	0.00	0.00	52.66	0.00	0.	0.00
126	29.209	24.77	0.00	6.12	9.02	2.38	13.18	0.00	20.91	0.00	0.00	0.00	0.00	0.00	0.00	51.53	0.00	0.	0.00
127	29.016	24.77	0.00	6.12	9.02	2.34	13.17	0.00	20.73	0.00	0.00	0.00	0.00	0.00	0.00	50.40	0.00	0.	0.00
128	28.822	24.77	0.00	6.12	9.02	2.30	13.16	0.00	20.55	0.00	0.00	0.00	0.00	0.00	0.00	49.27	0.00	0.	0.00
129	28.628	24.78	0.00	6.12	9.02	2.26	13.15	0.00	20.37	0.00	0.00	0.00	0.00	0.00	0.00	48.14	0.00	0.	0.00
130	28.435	24.78	0.00	6.12	9.02	2.23	13.14	0.00	20.19	0.00	0.00	0.00	0.00	0.00	0.00	47.01	0.00	0.	0.00
131	28.241	24.78	0.00	6.12	9.02	2.19	13.13	0.00	20.01	0.00	0.00	0.00	0.00	0.00	0.00	45.88	0.00	0.	0.00
132	28.048	24.78	0.00	6.12	9.02	2.16	13.12	0.00	19.83	0.00	0.00	0.00	0.00	0.00	0.00	44.75	0.00	0.	0.00
133	27.854	24.78	0.00	6.12	9.02	2.13	13.11	0.00	19.65	0.00	0.00	0.00	0.00	0.00	0.00	43.61	0.00	0.	0.00
134	27.660	24.78	0.00	6.12	9.02	2.10	13.10	0.00	19.47	0.00	0.00	0.00	0.00	0.00	0.00	42.48	0.00	0.	0.00
135	27.467	24.79	0.00	6.12	9.02	2.07	13.09	0.00	19.29	0.00	0.00	0.00	0.00	0.00	0.00	41.35	0.00	0.	0.00

136	27.273	24.79	0.00	6.12	9.02	2.04	13.08	0.00	19.11	0.00	0.00	0.00	0.00	0.00	0.00	40.22	0.00	0.	0.00
137	27.080	24.79	0.00	6.12	9.02	2.02	13.07	0.00	18.93	0.00	0.00	0.00	0.00	0.00	0.00	39.09	0.00	0.	0.00
138	26.886	24.79	0.00	6.12	9.02	1.99	13.06	0.00	18.75	0.00	0.00	0.00	0.00	0.00	0.00	37.96	0.00	0.	0.00
139	26.692	24.79	0.00	6.12	9.02	1.97	13.05	0.00	18.57	0.00	0.00	0.00	0.00	0.00	0.00	36.83	0.00	0.	0.00
140	26.499	24.80	0.00	6.12	9.02	1.95	13.04	0.00	18.40	0.00	0.00	0.00	0.00	0.00	0.00	35.70	0.00	0.	0.00
141	26.305	24.80	0.00	6.12	9.02	1.93	13.03	0.00	18.22	0.00	0.00	0.00	0.00	0.00	0.00	34.57	0.00	0.	0.00
142	26.112	24.80	0.00	6.12	9.02	1.91	13.03	0.00	18.04	0.00	0.00	0.00	0.00	0.00	0.00	33.44	0.00	0.	0.00
143	25.918	24.80	0.00	6.12	9.02	1.89	13.02	0.00	17.87	0.00	0.00	0.00	0.00	0.00	0.00	32.31	0.00	0.	0.00
144	25.724	24.80	0.00	6.12	9.02	1.88	13.02	0.00	17.69	0.00	0.00	0.00	0.00	0.00	0.00	31.17	0.00	0.	0.00
145	25.531	24.80	0.00	6.12	9.02	1.87	13.01	0.00	17.52	0.00	0.00	0.00	0.00	0.00	0.00	30.04	0.00	0.	0.00
146	25.337	24.81	0.00	6.12	9.02	1.85	13.01	0.00	17.35	0.00	0.00	0.00	0.00	0.00	0.00	28.91	0.00	0.	0.00
147	25.144	24.81	0.00	6.12	9.02	1.84	13.01	0.00	17.17	0.00	0.00	0.00	0.00	0.00	0.00	27.78	0.00	0.	0.00
148	24.950	24.81	0.00	6.12	9.02	1.83	13.01	0.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	26.65	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 10 BGT 5-BGT 6 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
149	UPR RCH	0.78153	24.81	0.00	6.12	9.02	1.83	13.01	0.00	17.00	0.00	0.00	0.00	0.00	0.00	26.65	0.00	0.00
EACH	INCR	0.00452	0.00	0.00	3.50	5.00	2.25	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
149	24.95	24.73	0.78605	61.6	0.02552	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
150	24.73	24.51	0.79057	61.2	0.02567	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
151	24.51	24.29	0.79509	60.9	0.02581	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
152	24.29	24.07	0.79961	60.5	0.02596	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
153	24.07	23.84	0.80413	60.2	0.02611	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
154	23.84	23.62	0.80865	59.8	0.02625	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.026
155	23.62	23.40	0.81317	59.5	0.02640	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.026
156	23.40	23.18	0.81769	59.2	0.02655	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
157	23.18	22.96	0.82221	58.8	0.02670	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
158	22.96	22.74	0.82673	58.5	0.02684	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
159	22.74	22.52	0.83125	58.2	0.02699	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027

160	22.52	22.30	0.83577	57.9	0.02714	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
161	22.30	22.08	0.84029	57.6	0.02728	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
162	22.08	21.86	0.84481	57.3	0.02743	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.027
163	21.86	21.63	0.84933	57.0	0.02758	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
164	21.63	21.41	0.85385	56.7	0.02772	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
165	21.41	21.19	0.85837	56.4	0.02787	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
166	21.19	20.97	0.86289	56.1	0.02802	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
167	20.97	20.75	0.86741	55.8	0.02816	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
168	20.75	20.53	0.87193	55.5	0.02831	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
169	20.53	20.31	0.87645	55.2	0.02846	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
170	20.31	20.09	0.88097	54.9	0.02860	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
171	20.09	19.87	0.88549	54.6	0.02875	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
172	19.87	19.65	0.89001	54.4	0.02890	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
173	19.65	19.42	0.89453	54.1	0.02904	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
174	19.42	19.20	0.89905	53.8	0.02919	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
175	19.20	18.98	0.90357	53.6	0.02934	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
176	18.98	18.76	0.90809	53.3	0.02948	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
177	18.76	18.54	0.91261	53.0	0.02963	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.030
178	18.54	18.32	0.91713	52.8	0.02978	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
179	18.32	18.10	0.92165	52.5	0.02992	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
180	18.10	17.88	0.92617	52.2	0.03007	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
181	17.88	17.66	0.93069	52.0	0.03022	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
182	17.66	17.44	0.93521	51.7	0.03036	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
183	17.44	17.21	0.93973	51.5	0.03051	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.031
184	17.21	16.99	0.94425	51.2	0.03066	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.031
185	16.99	16.77	0.94877	51.0	0.03080	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.031
186	16.77	16.55	0.95329	50.8	0.03095	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
187	16.55	16.33	0.95781	50.5	0.03110	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
188	16.33	16.11	0.96233	50.3	0.03124	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
189	16.11	15.89	0.96685	50.0	0.03139	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
190	15.89	15.67	0.97137	49.8	0.03154	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
191	15.67	15.45	0.97589	49.6	0.03168	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
192	15.45	15.23	0.98041	49.4	0.03183	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
193	15.23	15.00	0.98493	49.1	0.03198	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
194	15.00	14.78	0.98945	48.9	0.03213	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.032
195	14.78	14.56	0.99397	48.7	0.03227	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.032
196	14.56	14.34	0.99849	48.5	0.03242	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.032
197	14.34	14.12	1.00301	48.2	0.03257	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.033
198	14.12	13.90	1.00753	48.0	0.03271	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.033
TOT						4.42			340340.06	243100.00					
AVG					0.0290		1.40	22.00			30.80				
CUM						49.78									

********** 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
149	24.729	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	24.508	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	24.287	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	24.066	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	23.845	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	23.624	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	23.403	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	23.182	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	22.961	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	22.740	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	22.519	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	22.298	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	22.077	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	21.856	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	21.635	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	21.414	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	21.193	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	20.972	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	20.751	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	20.530	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	20.309	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	20.088	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	19.867	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	19.646	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	19.425	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	19.204	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	18.983	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	18.762	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	18.541	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	18.320	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	18.099	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	17.878	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181	17.657	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182	17.436	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
183	17.215	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184	16.994	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	16.773	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
186	16.552	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
187	16.331	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

188	16.110	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189	15.889	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190	15.668	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
191	15.447	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192	15.226	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193	15.005	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
194	14.784	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	14.563	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196	14.342	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	14.121	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198	13.900	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.50	0.10	0.05	0.00	0.00	0.00	0.00	1.35			0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
149	24.729	24.82	0.00	6.11	8.99	1.90	13.07	0.00	17.09	0.00	0.00	0.00	0.00	0.00	0.00	26.84	0.00	0.	0.00
150	24.508	24.82	0.00	6.09	8.97	1.96	13.12	0.00	17.18	0.00	0.00	0.00	0.00	0.00	0.00	27.02	0.00	0.	0.00
151	24.287	24.83	0.00	6.08	8.95	2.01	13.18	0.00	17.26	0.00	0.00	0.00	0.00	0.00	0.00	27.21	0.00	0.	0.00
152	24.066	24.83	0.00	6.06	8.93	2.06	13.23	0.00	17.34	0.00	0.00	0.00	0.00	0.00	0.00	27.40	0.00	0.	0.00
153	23.845	24.84	0.00	6.05	8.90	2.10	13.28	0.00	17.42	0.00	0.00	0.00	0.00	0.00	0.00	27.58	0.00	0.	0.00
154	23.624	24.84	0.00	6.04	8.88	2.14	13.33	0.00	17.49	0.00	0.00	0.00	0.00	0.00	0.00	27.77	0.00	0.	0.00
155	23.403	24.85	0.00	6.02	8.86	2.18	13.37	0.00	17.57	0.00	0.00	0.00	0.00	0.00	0.00	27.96	0.00	0.	0.00
156	23.182	24.85	0.00	6.01	8.84	2.22	13.42	0.00	17.64	0.00	0.00	0.00	0.00	0.00	0.00	28.15	0.00	0.	0.00
157	22.961	24.86	0.00	5.99	8.82	2.25	13.46	0.00	17.71	0.00	0.00	0.00	0.00	0.00	0.00	28.33	0.00	0.	0.00
158	22.740	24.86	0.00	5.98	8.80	2.28	13.51	0.00	17.78	0.00	0.00	0.00	0.00	0.00	0.00	28.52	0.00	0.	0.00
159	22.519	24.87	0.00	5.97	8.78	2.31	13.55	0.00	17.85	0.00	0.00	0.00	0.00	0.00	0.00	28.71	0.00	0.	0.00
160	22.298	24.87	0.00	5.95	8.76	2.33	13.59	0.00	17.92	0.00	0.00	0.00	0.00	0.00	0.00	28.89	0.00	0.	0.00
161	22.077	24.88	0.00	5.94	8.74	2.36	13.63	0.00	17.99	0.00	0.00	0.00	0.00	0.00	0.00	29.08	0.00	0.	0.00
162	21.856	24.88	0.00	5.93	8.72	2.38	13.66	0.00	18.05	0.00	0.00	0.00	0.00	0.00	0.00	29.27	0.00	0.	0.00
163	21.635	24.89	0.00	5.91	8.70	2.40	13.70	0.00	18.12	0.00	0.00	0.00	0.00	0.00	0.00	29.45	0.00	0.	0.00
164	21.414	24.89	0.00	5.90	8.68	2.41	13.74	0.00	18.18	0.00	0.00	0.00	0.00	0.00	0.00	29.64	0.00	0.	0.00
165	21.193	24.90	0.00	5.89	8.66	2.43	13.77	0.00	18.25	0.00	0.00	0.00	0.00	0.00	0.00	29.83	0.00	0.	0.00
166	20.972	24.90	0.00	5.88	8.64	2.45	13.81	0.00	18.31	0.00	0.00	0.00	0.00	0.00	0.00	30.02	0.00	0.	0.00
167	20.751	24.91	0.00	5.86	8.62	2.46	13.84	0.00	18.37	0.00	0.00	0.00	0.00	0.00	0.00	30.20	0.00	0.	0.00
168	20.530	24.91	0.00	5.85	8.60	2.47	13.87	0.00	18.43	0.00	0.00	0.00	0.00	0.00	0.00	30.39	0.00	0.	0.00
169	20.309	24.92	0.00	5.84	8.58	2.48	13.90	0.00	18.49	0.00	0.00	0.00	0.00	0.00	0.00	30.58	0.00	0.	0.00
170	20.088	24.92	0.00	5.83	8.56	2.50	13.93	0.00	18.55	0.00	0.00	0.00	0.00	0.00	0.00	30.76	0.00	0.	0.00
171	19.867	24.93	0.00	5.82	8.54	2.50	13.96	0.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	30.95	0.00	0.	0.00

172	19.646	24.93	0.00	5.80	8.53	2.51	13.99	0.00	18.66	0.00	0.00	0.00	0.00	0.00	0.00	31.14	0.00	0.	0.00
173	19.425	24.94	0.00	5.79	8.51	2.52	14.02	0.00	18.72	0.00	0.00	0.00	0.00	0.00	0.00	31.32	0.00	0.	0.00
174	19.204	24.95	0.00	5.78	8.49	2.53	14.05	0.00	18.77	0.00	0.00	0.00	0.00	0.00	0.00	31.51	0.00	0.	0.00
175	18.983	24.95	0.00	5.77	8.47	2.53	14.07	0.00	18.83	0.00	0.00	0.00	0.00	0.00	0.00	31.70	0.00	0.	0.00
176	18.762	24.96	0.00	5.76	8.46	2.54	14.10	0.00	18.88	0.00	0.00	0.00	0.00	0.00	0.00	31.89	0.00	0.	0.00
177	18.541	24.96	0.00	5.75	8.44	2.54	14.12	0.00	18.94	0.00	0.00	0.00	0.00	0.00	0.00	32.07	0.00	0.	0.00
178	18.320	24.97	0.00	5.74	8.42	2.55	14.15	0.00	18.99	0.00	0.00	0.00	0.00	0.00	0.00	32.26	0.00	0.	0.00
179	18.099	24.97	0.00	5.72	8.41	2.55	14.17	0.00	19.04	0.00	0.00	0.00	0.00	0.00	0.00	32.45	0.00	0.	0.00
180	17.878	24.98	0.00	5.71	8.39	2.56	14.20	0.00	19.09	0.00	0.00	0.00	0.00	0.00	0.00	32.63	0.00	0.	0.00
181	17.657	24.98	0.00	5.70	8.37	2.56	14.22	0.00	19.14	0.00	0.00	0.00	0.00	0.00	0.00	32.82	0.00	0.	0.00
182	17.436	24.99	0.00	5.69	8.36	2.56	14.24	0.00	19.19	0.00	0.00	0.00	0.00	0.00	0.00	33.01	0.00	0.	0.00
183	17.215	24.99	0.00	5.68	8.34	2.56	14.26	0.00	19.24	0.00	0.00	0.00	0.00	0.00	0.00	33.19	0.00	0.	0.00
184	16.994	25.00	0.00	5.67	8.32	2.56	14.28	0.00	19.29	0.00	0.00	0.00	0.00	0.00	0.00	33.38	0.00	0.	0.00
185	16.773	25.00	0.00	5.66	8.31	2.57	14.30	0.00	19.34	0.00	0.00	0.00	0.00	0.00	0.00	33.57	0.00	0.	0.00
186	16.552	25.01	0.00	5.65	8.29	2.57	14.32	0.00	19.39	0.00	0.00	0.00	0.00	0.00	0.00	33.76	0.00	0.	0.00
187	16.331	25.01	0.00	5.64	8.28	2.57	14.34	0.00	19.43	0.00	0.00	0.00	0.00	0.00	0.00	33.94	0.00	0.	0.00
188	16.110	25.02	0.00	5.63	8.26	2.57	14.36	0.00	19.48	0.00	0.00	0.00	0.00	0.00	0.00	34.13	0.00	0.	0.00
189	15.889	25.02	0.00	5.62	8.25	2.57	14.38	0.00	19.53	0.00	0.00	0.00	0.00	0.00	0.00	34.32	0.00	0.	0.00
190	15.668	25.03	0.00	5.61	8.23	2.57	14.40	0.00	19.57	0.00	0.00	0.00	0.00	0.00	0.00	34.50	0.00	0.	0.00
191	15.447	25.03	0.00	5.60	8.22	2.57	14.41	0.00	19.62	0.00	0.00	0.00	0.00	0.00	0.00	34.69	0.00	0.	0.00
192	15.226	25.04	0.00	5.59	8.20	2.57	14.43	0.00	19.66	0.00	0.00	0.00	0.00	0.00	0.00	34.88	0.00	0.	0.00
193	15.005	25.04	0.00	5.58	8.19	2.56	14.45	0.00	19.71	0.00	0.00	0.00	0.00	0.00	0.00	35.06	0.00	0.	0.00
194	14.784	25.05	0.00	5.57	8.17	2.56	14.46	0.00	19.75	0.00	0.00	0.00	0.00	0.00	0.00	35.25	0.00	0.	0.00
195	14.563	25.05	0.00	5.56	8.16	2.56	14.48	0.00	19.79	0.00	0.00	0.00	0.00	0.00	0.00	35.44	0.00	0.	0.00
196	14.342	25.06	0.00	5.55	8.14	2.56	14.49	0.00	19.84	0.00	0.00	0.00	0.00	0.00	0.00	35.63	0.00	0.	0.00
197	14.121	25.06	0.00	5.54	8.13	2.56	14.51	0.00	19.88	0.00	0.00	0.00	0.00	0.00	0.00	35.81	0.00	0.	0.00
198	13.900	25.07	0.00	5.53	8.12	2.56	14.52	0.00	19.92	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 11 BGT 6-GRAND BAYOU 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
199	UPR RCH	1.00753	25.07	0.00	5.53	8.12	2.56	14.52	0.00	19.92	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00

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

ELEM NO.	BEGIN DIST	ENDING DIST	FLOW	PCT EFF	ADVCTV VELO	TRAVEL TIME	DEPTH	WIDTH	VOLUME	SURFACE AREA	X-SECT AREA	TIDAL PRISM	TIDAL VELO	DISPRSN	MEAN VELO

	km	km	m³/s		m/s	days	m	m	m³	m²	m²	m³	m/s	m²/s	m/s
199	13.90	13.68	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
200	13.68	13.46	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
201	13.46	13.23	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
202	13.23	13.01	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
203	13.01	12.79	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
204	12.79	12.57	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
205	12.57	12.35	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
206	12.35	12.12	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
207	12.12	11.90	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
208	11.90	11.68	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
TOT						0.92			79899.22	51415.20					
AVG					0.0280		1.55	23.16			35.99				
CUM						50.70									

********** 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
199	13.678	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	13.456	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
201	13.234	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202	13.012	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	12.790	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	12.568	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	12.346	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206	12.124	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
207	11.902	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
208	11.680	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	1.40			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

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

199	13.678	25.07	0.00	5.53	8.12	2.55	14.61	0.00	19.98	0.00	0.00	0.00	0.00	0.00	0.00	35.80	0.00	0.	0.00
200	13.456	25.07	0.00	5.53	8.12	2.53	14.69	0.00	20.03	0.00	0.00	0.00	0.00	0.00	0.00	35.60	0.00	0.	0.00
201	13.234	25.07	0.00	5.53	8.12	2.52	14.77	0.00	20.08	0.00	0.00	0.00	0.00	0.00	0.00	35.40	0.00	0.	0.00
202	13.012	25.07	0.00	5.53	8.12	2.51	14.85	0.00	20.13	0.00	0.00	0.00	0.00	0.00	0.00	35.20	0.00	0.	0.00
203	12.790	25.07	0.00	5.53	8.12	2.50	14.92	0.00	20.17	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.	0.00
204	12.568	25.07	0.00	5.53	8.12	2.48	15.00	0.00	20.22	0.00	0.00	0.00	0.00	0.00	0.00	34.80	0.00	0.	0.00
205	12.346	25.07	0.00	5.53	8.12	2.47	15.08	0.00	20.27	0.00	0.00	0.00	0.00	0.00	0.00	34.60	0.00	0.	0.00
206	12.124	25.07	0.00	5.53	8.12	2.46	15.15	0.00	20.31	0.00	0.00	0.00	0.00	0.00	0.00	34.40	0.00	0.	0.00
207	11.902	25.07	0.00	5.53	8.12	2.45	15.22	0.00	20.35	0.00	0.00	0.00	0.00	0.00	0.00	34.20	0.00	0.	0.00
208	11.680	25.07	0.00	5.54	8.13	2.43	15.30	0.00	20.40	0.00	0.00	0.00	0.00	0.00	0.00	34.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 12 GRAND BAYOU-CATFISH CANAL 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
209	UPR RCH	1.00753	25.07	0.00	5.54	8.13	2.43	15.30	0.00	20.40	0.00	0.00	0.00	0.00	0.00	34.00	0.00	0.00
209	WSTLD	0.47459	21.70	0.00	7.40	15.30	2.77	16.47	0.00	16.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
209	11.68	11.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
210	11.43	11.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
211	11.18	10.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
212	10.93	10.68	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
213	10.68	10.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
214	10.43	10.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
215	10.18	9.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
216	9.93	9.68	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
217	9.68	9.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
218	9.43	9.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
219	9.18	8.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
220	8.93	8.68	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
221	8.68	8.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
222	8.43	8.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032

223	8.18	7.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032						
TOT						1.36			174067.42	112012.50											
AVG					0.0319		1.55	29.87			46.42										
CUM						52.06															

********** 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
209	11.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210	11.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211	10.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	10.680	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	10.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	10.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	9.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
216	9.680	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
217	9.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
218	9.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
219	8.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	8.680	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	8.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
222	8.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	7.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
209	11.430	25.07	0.00	6.13	10.42	2.52	15.60	0.00	20.67	0.00	0.00	0.00	0.00	0.00	0.00	33.80	0.00	0.	0.00
210	11.180	25.07	0.00	6.13	10.42	2.50	15.53	0.00	20.57	0.00	0.00	0.00	0.00	0.00	0.00	33.60	0.00	0.	0.00
211	10.930	25.07	0.00	6.13	10.42	2.48	15.46	0.00	20.47	0.00	0.00	0.00	0.00	0.00	0.00	33.40	0.00	0.	0.00
212	10.680	25.07	0.00	6.13	10.42	2.46	15.39	0.00	20.37	0.00	0.00	0.00	0.00	0.00	0.00	33.20	0.00	0.	0.00
213	10.430	25.07	0.00	6.13	10.42	2.44	15.33	0.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.	0.00
214	10.180	25.07	0.00	6.13	10.42	2.43	15.26	0.00	20.18	0.00	0.00	0.00	0.00	0.00	0.00	32.80	0.00	0.	0.00

215	9.930	25.07	0.00	6.13	10.42	2.41	15.20	0.00	20.09	0.00	0.00	0.00	0.00	0.00	0.00	32.60	0.00	0.	0.00
216	9.680	25.07	0.00	6.13	10.42	2.40	15.13	0.00	19.99	0.00	0.00	0.00	0.00	0.00	0.00	32.40	0.00	0.	0.00
217	9.430	25.07	0.00	6.13	10.42	2.39	15.07	0.00	19.90	0.00	0.00	0.00	0.00	0.00	0.00	32.20	0.00	0.	0.00
218	9.180	25.07	0.00	6.13	10.42	2.38	15.01	0.00	19.81	0.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00	0.	0.00
219	8.930	25.07	0.00	6.13	10.42	2.37	14.95	0.00	19.72	0.00	0.00	0.00	0.00	0.00	0.00	31.80	0.00	0.	0.00
220	8.680	25.07	0.00	6.13	10.42	2.36	14.89	0.00	19.63	0.00	0.00	0.00	0.00	0.00	0.00	31.60	0.00	0.	0.00
221	8.430	25.07	0.00	6.13	10.42	2.35	14.83	0.00	19.54	0.00	0.00	0.00	0.00	0.00	0.00	31.40	0.00	0.	0.00
222	8.180	25.07	0.00	6.13	10.42	2.34	14.77	0.00	19.45	0.00	0.00	0.00	0.00	0.00	0.00	31.20	0.00	0.	0.00
223	7.930	25.07	0.00	6.13	10.42	2.34	14.71	0.00	19.36	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 13 CATFISH CANAL-ICWW DIVERSION 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
224	UPR RCH	1.48212	25.07	0.00	6.13	10.42	2.34	14.71	0.00	19.36	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.00
224	WSTLD	0.00651	19.10	0.00	12.00	20.90	4.26	24.13	0.00	24.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
224	7.93	7.73	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
225	7.73	7.54	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
226	7.54	7.34	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
227	7.34	7.14	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
228	7.14	6.95	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
229	6.95	6.75	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
230	6.75	6.56	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
231	6.56	6.36	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
232	6.36	6.16	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
233	6.16	5.97	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
234	5.97	5.77	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
235	5.77	5.57	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
236	5.57	5.38	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
237	5.38	5.18	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
238	5.18	4.98	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032

239	4.98	4.79	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
240	4.79	4.59	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
241	4.59	4.39	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
242	4.39	4.20	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
243	4.20	4.00	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
244	4.00	3.81	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
245	3.81	3.61	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
246	3.61	3.41	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
247	3.41	3.22	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
248	3.22	3.02	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
TOT						1.77			227912.38	146661.70					
AVG					0.0321		1.55	29.87			46.42				
CUM						53.83									

********** 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
224	7.734	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	7.537	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226	7.341	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
227	7.144	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
228	6.948	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229	6.752	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	6.555	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
231	6.359	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
232	6.162	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
233	5.966	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
234	5.770	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	5.573	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
236	5.377	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
237	5.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
238	4.984	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
239	4.788	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240	4.591	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
241	4.395	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
242	4.198	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
243	4.002	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
244	3.806	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	3.609	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
246	3.413	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

247	3.216	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	3.020	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	1.60			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
224	7.734	25.07	0.00	6.16	10.46	2.34	14.71	0.00	19.35	0.00	0.00	0.00	0.00	0.00	0.00	30.90	0.00	0.	0.00
225	7.537	25.07	0.00	6.16	10.46	2.34	14.67	0.00	19.29	0.00	0.00	0.00	0.00	0.00	0.00	30.79	0.00	0.	0.00
226	7.341	25.07	0.00	6.16	10.46	2.33	14.63	0.00	19.24	0.00	0.00	0.00	0.00	0.00	0.00	30.69	0.00	0.	0.00
227	7.144	25.07	0.00	6.16	10.46	2.33	14.60	0.00	19.18	0.00	0.00	0.00	0.00	0.00	0.00	30.58	0.00	0.	0.00
228	6.948	25.07	0.00	6.16	10.46	2.32	14.56	0.00	19.13	0.00	0.00	0.00	0.00	0.00	0.00	30.48	0.00	0.	0.00
229	6.752	25.07	0.00	6.16	10.46	2.32	14.52	0.00	19.08	0.00	0.00	0.00	0.00	0.00	0.00	30.38	0.00	0.	0.00
230	6.555	25.07	0.00	6.16	10.46	2.32	14.48	0.00	19.02	0.00	0.00	0.00	0.00	0.00	0.00	30.27	0.00	0.	0.00
231	6.359	25.07	0.00	6.16	10.46	2.31	14.45	0.00	18.97	0.00	0.00	0.00	0.00	0.00	0.00	30.17	0.00	0.	0.00
232	6.162	25.07	0.00	6.16	10.46	2.31	14.41	0.00	18.92	0.00	0.00	0.00	0.00	0.00	0.00	30.06	0.00	0.	0.00
233	5.966	25.07	0.00	6.16	10.46	2.31	14.37	0.00	18.87	0.00	0.00	0.00	0.00	0.00	0.00	29.96	0.00	0.	0.00
234	5.770	25.07	0.00	6.16	10.46	2.31	14.34	0.00	18.82	0.00	0.00	0.00	0.00	0.00	0.00	29.86	0.00	0.	0.00
235	5.573	25.07	0.00	6.16	10.46	2.31	14.30	0.00	18.77	0.00	0.00	0.00	0.00	0.00	0.00	29.75	0.00	0.	0.00
236	5.377	25.07	0.00	6.16	10.46	2.31	14.27	0.00	18.72	0.00	0.00	0.00	0.00	0.00	0.00	29.65	0.00	0.	0.00
237	5.180	25.07	0.00	6.16	10.46	2.30	14.23	0.00	18.67	0.00	0.00	0.00	0.00	0.00	0.00	29.54	0.00	0.	0.00
238	4.984	25.07	0.00	6.16	10.46	2.30	14.20	0.00	18.62	0.00	0.00	0.00	0.00	0.00	0.00	29.44	0.00	0.	0.00
239	4.788	25.07	0.00	6.16	10.46	2.30	14.17	0.00	18.57	0.00	0.00	0.00	0.00	0.00	0.00	29.34	0.00	0.	0.00
240	4.591	25.07	0.00	6.16	10.46	2.30	14.13	0.00	18.52	0.00	0.00	0.00	0.00	0.00	0.00	29.23	0.00	0.	0.00
241	4.395	25.07	0.00	6.16	10.46	2.30	14.10	0.00	18.47	0.00	0.00	0.00	0.00	0.00	0.00	29.13	0.00	0.	0.00
242	4.198	25.07	0.00	6.16	10.46	2.30	14.07	0.00	18.42	0.00	0.00	0.00	0.00	0.00	0.00	29.02	0.00	0.	0.00
243	4.002	25.07	0.00	6.16	10.46	2.31	14.04	0.00	18.38	0.00	0.00	0.00	0.00	0.00	0.00	28.92	0.00	0.	0.00
244	3.806	25.07	0.00	6.16	10.46	2.31	14.01	0.00	18.33	0.00	0.00	0.00	0.00	0.00	0.00	28.82	0.00	0.	0.00
245	3.609	25.07	0.00	6.16	10.46	2.31	13.97	0.00	18.28	0.00	0.00	0.00	0.00	0.00	0.00	28.71	0.00	0.	0.00
246	3.413	25.07	0.00	6.16	10.46	2.31	13.94	0.00	18.24	0.00	0.00	0.00	0.00	0.00	0.00	28.61	0.00	0.	0.00
247	3.216	25.07	0.00	6.16	10.46	2.31	13.91	0.00	18.19	0.00	0.00	0.00	0.00	0.00	0.00	28.50	0.00	0.	0.00
248	3.020	25.07	0.00	6.16	10.46	2.31	13.88	0.00	18.14	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 14 ICWW DIVERSION-BGT 7 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
249	UPR RCH	1.48863	25.07	0.00	6.16	10.46	2.31	13.88	0.00	18.14	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.00
249	WSTLD	-0.85000	25.07	0.00	6.16	10.46	2.39	13.92	0.00	18.18	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
249	3.02	2.81	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
250	2.81	2.60	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
251	2.60	2.38	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
252	2.38	2.17	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
253	2.17	1.96	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
TOT						0.38			20738.74	31662.20					
AVG					0.0326		0.65	29.87			19.56				
CUM						54.21									

********** 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
249	2.808	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	2.596	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
251	2.384	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
252	2.172	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
253	1.960	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.73	0.08	0.05	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

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

NO.	DIST	DEG C	PPT	MG/L	MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	g/m³	#/100mL	
249	2.808	25.07	0.00	6.16	10.46	2.39	13.92	0.00	18.18	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
250	2.596	25.07	0.00	6.16	10.46	2.54	14.00	0.00	18.26	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
251	2.384	25.07	0.00	6.16	10.46	2.67	14.08	0.00	18.34	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
252	2.172	25.07	0.00	6.16	10.46	2.79	14.16	0.00	18.42	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
253	1.960	25.07	0.00	6.16	10.46	2.89	14.24	0.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 15 BGT 7-INTRACOASTAL WATERWAY 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
254	UPR RCH	0.63863	25.07	0.00	6.16	10.46	2.89	14.24	0.00	18.50	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
254	1.96	1.72	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
255	1.72	1.47	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
256	1.47	1.23	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
257	1.23	0.98	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
258	0.98	0.74	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
259	0.74	0.49	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
260	0.49	0.25	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
261	0.25	0.00	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
TOT						0.69			38347.11	58545.20					
AVG					0.0326		0.65	29.87			19.56				
CUM						54.90									

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

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

		mg/L	1/da	1/da	1/da	1/da	1/da	1/da	1/da	*	*	*	1/da	1/da	1/da	*	1/da	*	**	**	1/da	1/da	1/da
254	1.715	8.28	1.90	0.10	0.06	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	1.470	8.30	1.89	0.10	0.06	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
256	1.225	8.32	1.89	0.10	0.06	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
257	0.980	8.35	1.88	0.10	0.06	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	0.00	0.00
258	0.735	8.37	1.87	0.10	0.06	0.00	0.00	0.00	0.00	4.59	4.59	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
259	0.490	8.39	1.87	0.10	0.06	0.00	0.00	0.00	0.00	4.54	4.54	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
260	0.245	8.42	1.86	0.10	0.05	0.00	0.00	0.00	0.00	4.50	4.50	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
261	0.000	8.44	1.86	0.10	0.05	0.00	0.00	0.00	0.00	4.46	4.46	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.73	0.08	0.05	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
254	1.715	24.92	0.00	6.16	10.46	3.00	14.33	0.00	18.33	0.00	0.00	0.00	0.00	0.00	0.00	26.67	0.00	0.	0.00
255	1.470	24.76	0.00	6.16	10.46	3.10	14.42	0.00	18.16	0.00	0.00	0.00	0.00	0.00	0.00	24.95	0.00	0.	0.00
256	1.225	24.61	0.00	6.16	10.46	3.19	14.50	0.00	17.98	0.00	0.00	0.00	0.00	0.00	0.00	23.23	0.00	0.	0.00
257	0.980	24.45	0.00	6.16	10.46	3.28	14.59	0.00	17.81	0.00	0.00	0.00	0.00	0.00	0.00	21.50	0.00	0.	0.00
258	0.735	24.30	0.00	6.16	10.46	3.36	14.67	0.00	17.64	0.00	0.00	0.00	0.00	0.00	0.00	19.77	0.00	0.	0.00
259	0.490	24.15	0.00	6.16	10.46	3.43	14.76	0.00	17.46	0.00	0.00	0.00	0.00	0.00	0.00	18.05	0.00	0.	0.00
260	0.245	23.99	0.00	6.16	10.46	3.50	14.84	0.00	17.29	0.00	0.00	0.00	0.00	0.00	0.00	16.33	0.00	0.	0.00
261	0.000	23.84	0.00	6.19	10.55	3.57	14.89	0.00	17.08	0.00	0.00	0.00	0.00	0.00	0.00	14.60	0.00	0.	0.00

STREAM SUMMARY
False River Overflow

BAYOU GROSS TETE CALIBRATION
08/26/04

TRAVEL TIME = 54.90 DAYS

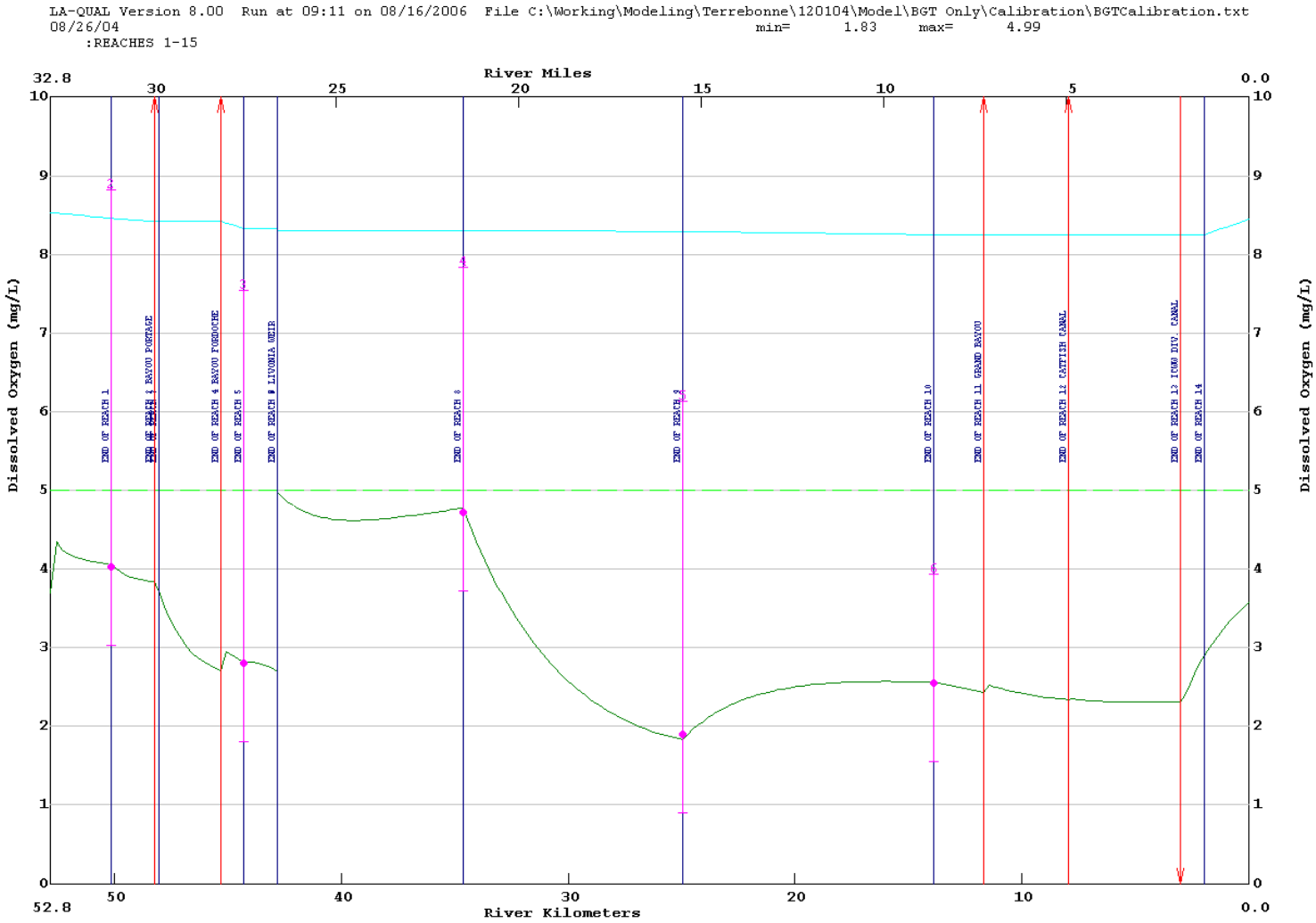
MAXIMUM EFFLUENT = 81.03 PERCENT

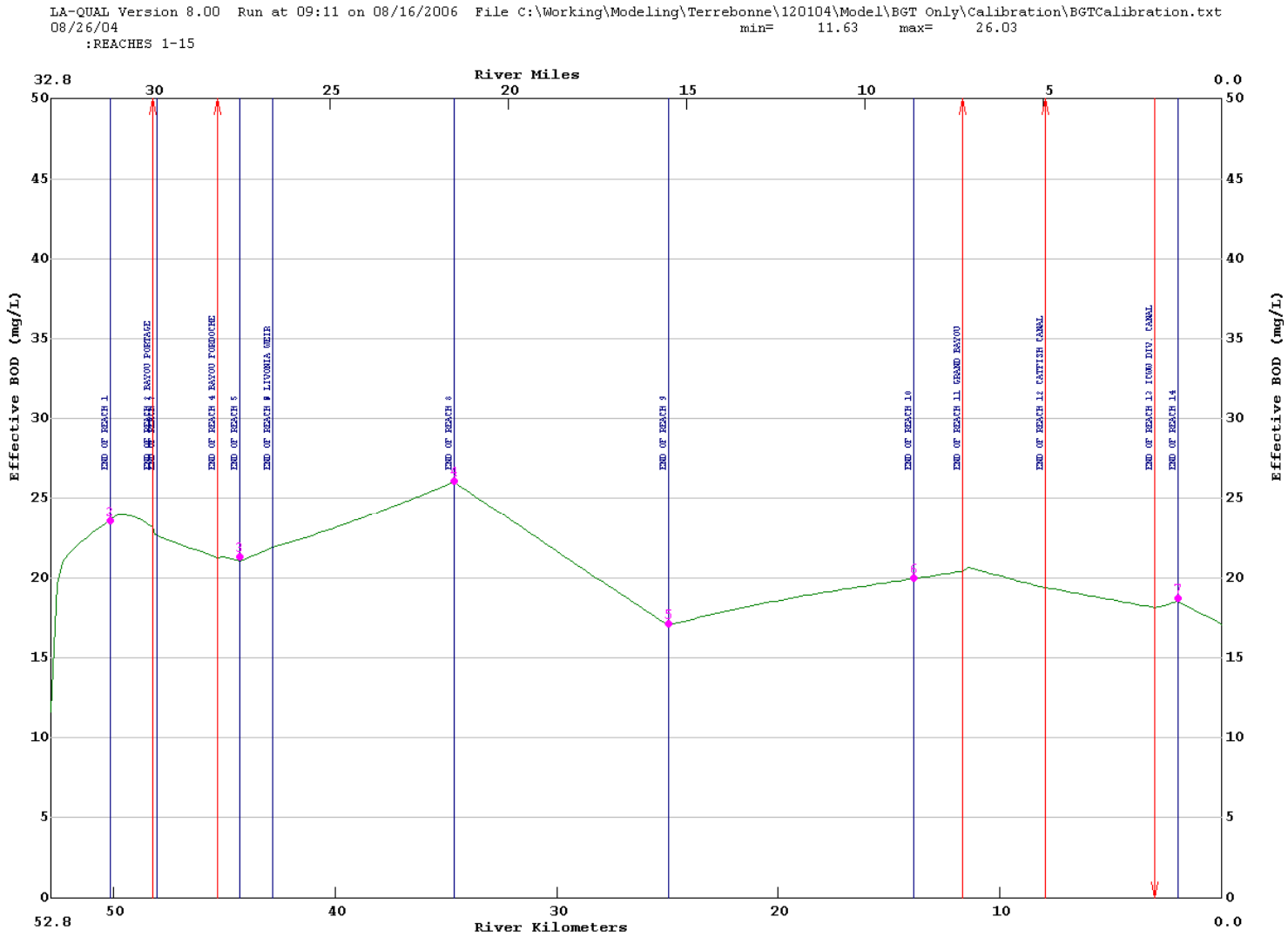
FLOW	=	0.01053	TO	1.48863	m³/s
DISPERSION	=	0.0002	TO	0.0300	m²/s
VELOCITY	=	0.00039	TO	0.05510	m/s
DEPTH	=	0.63	TO	1.55	m
WIDTH	=	20.73	TO	37.80	m
BOD DECAY	=	0.10	TO	0.14	per day

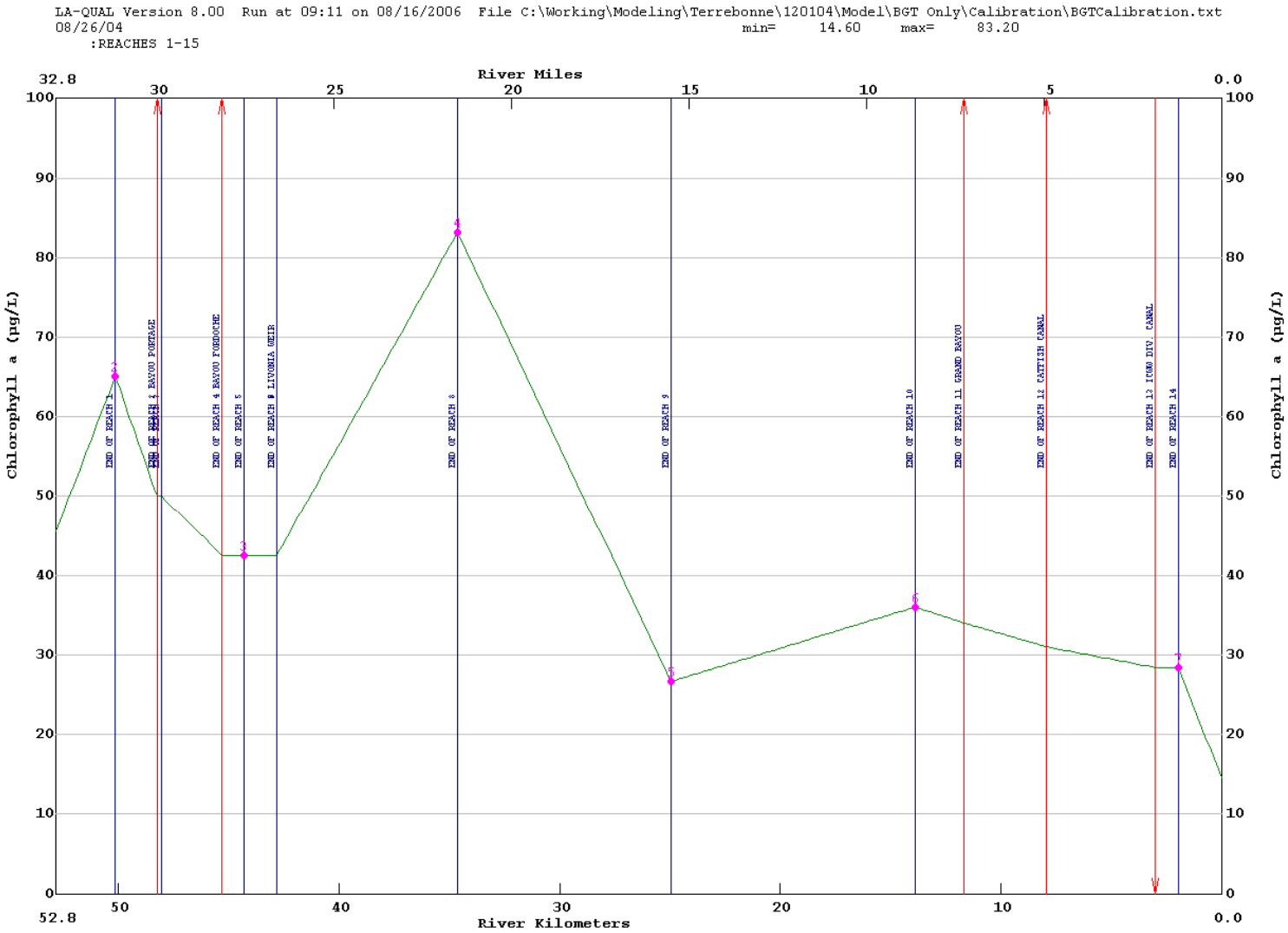
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	1.66	TO	4.99	g/m²/d
NH3 SOURCE	=	0.00	TO	0.00	g/m²/d
REAERATION	=	0.50	TO	2.52	per day
BOD SETTLING	=	0.05	TO	0.06	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	23.30	TO	25.07	deg C
DISSOLVED OXYGEN	=	1.83	TO	4.98	mg/L

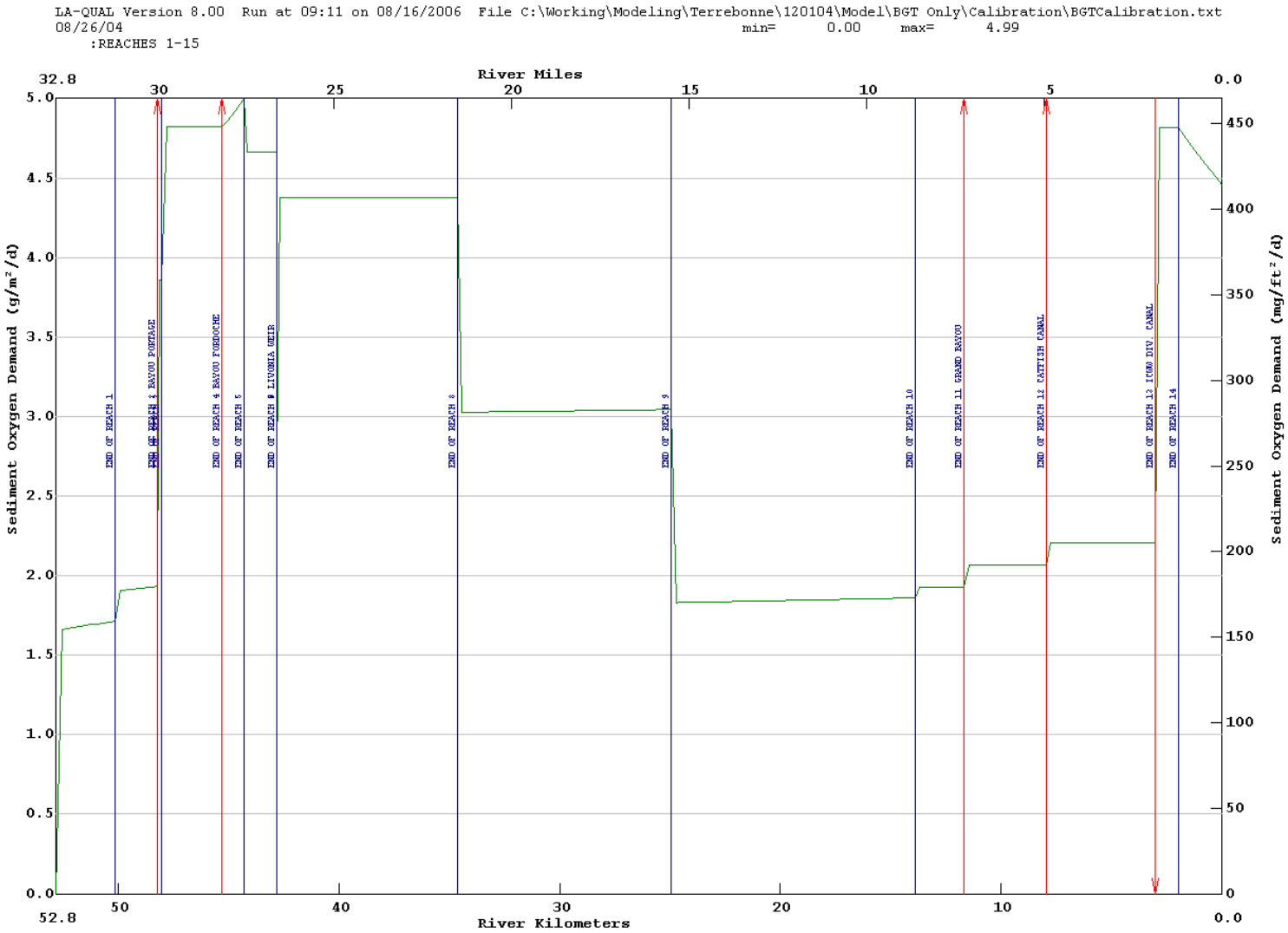
.....EXECUTION COMPLETED

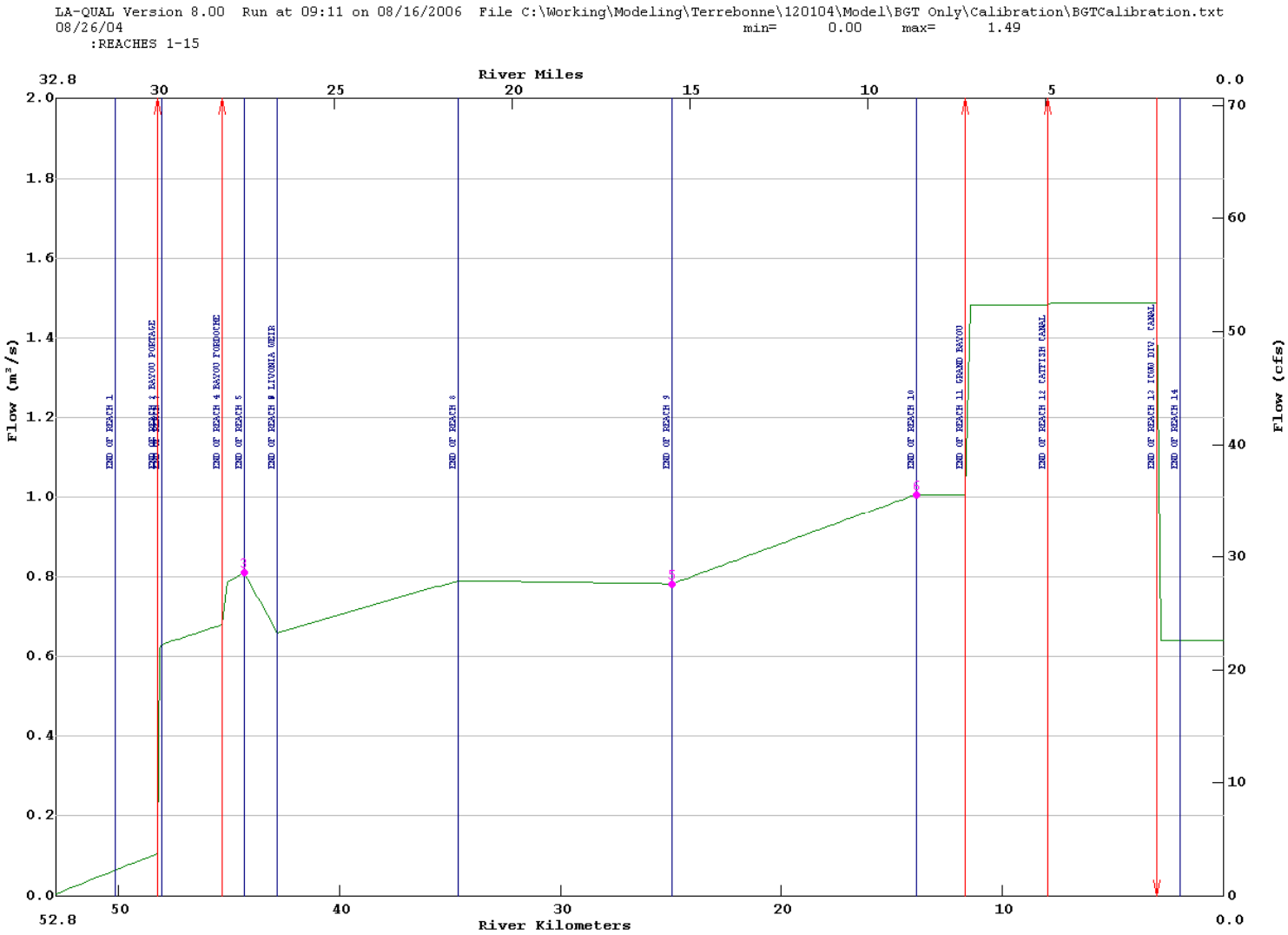
Appendix B2 – Graphs

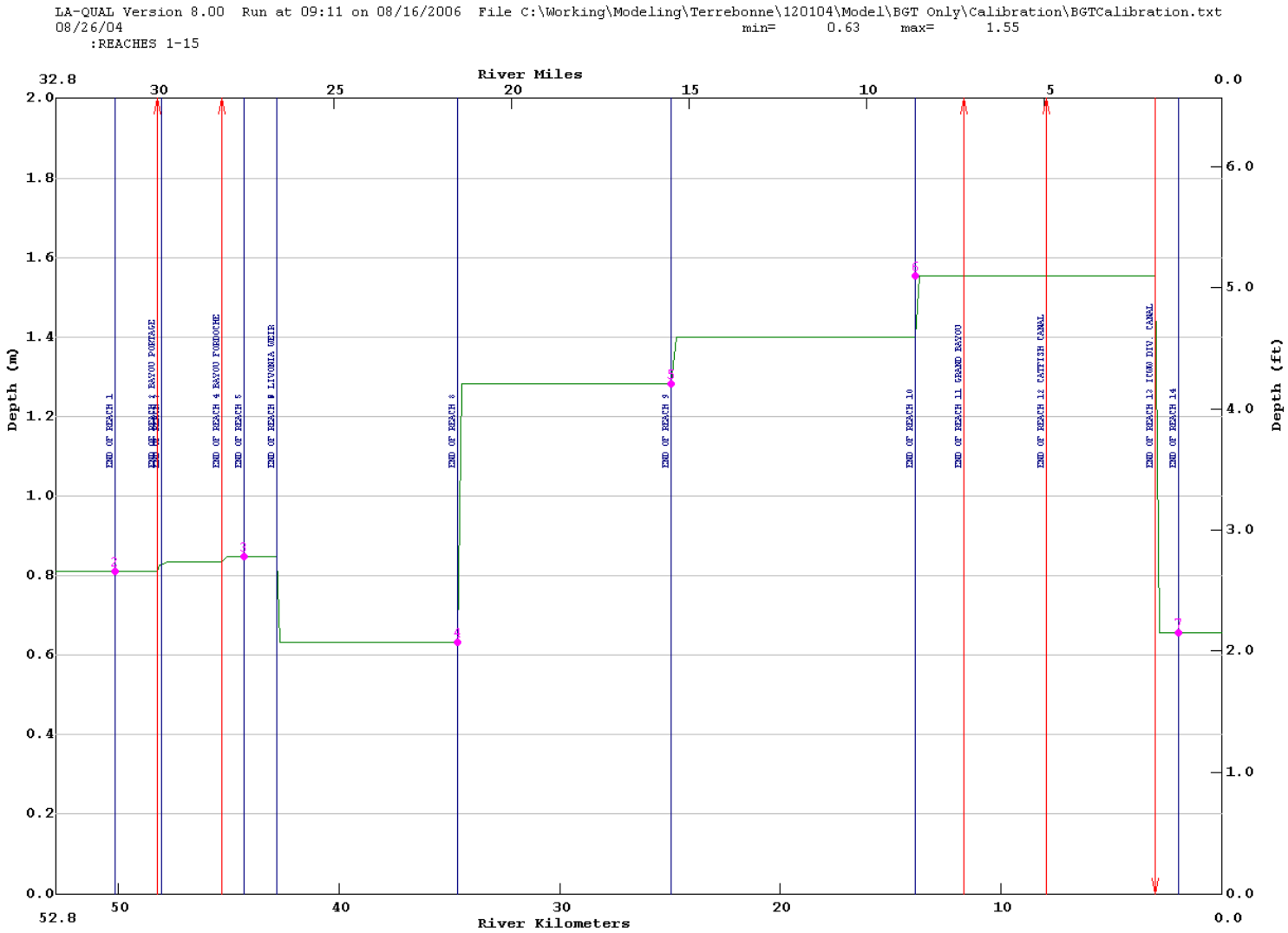

LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 1.83 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
Dissolved Oxygen (mg/L)
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 8 LIVONIA WEIR
END OF REACH 8
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 ICWW DIV CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

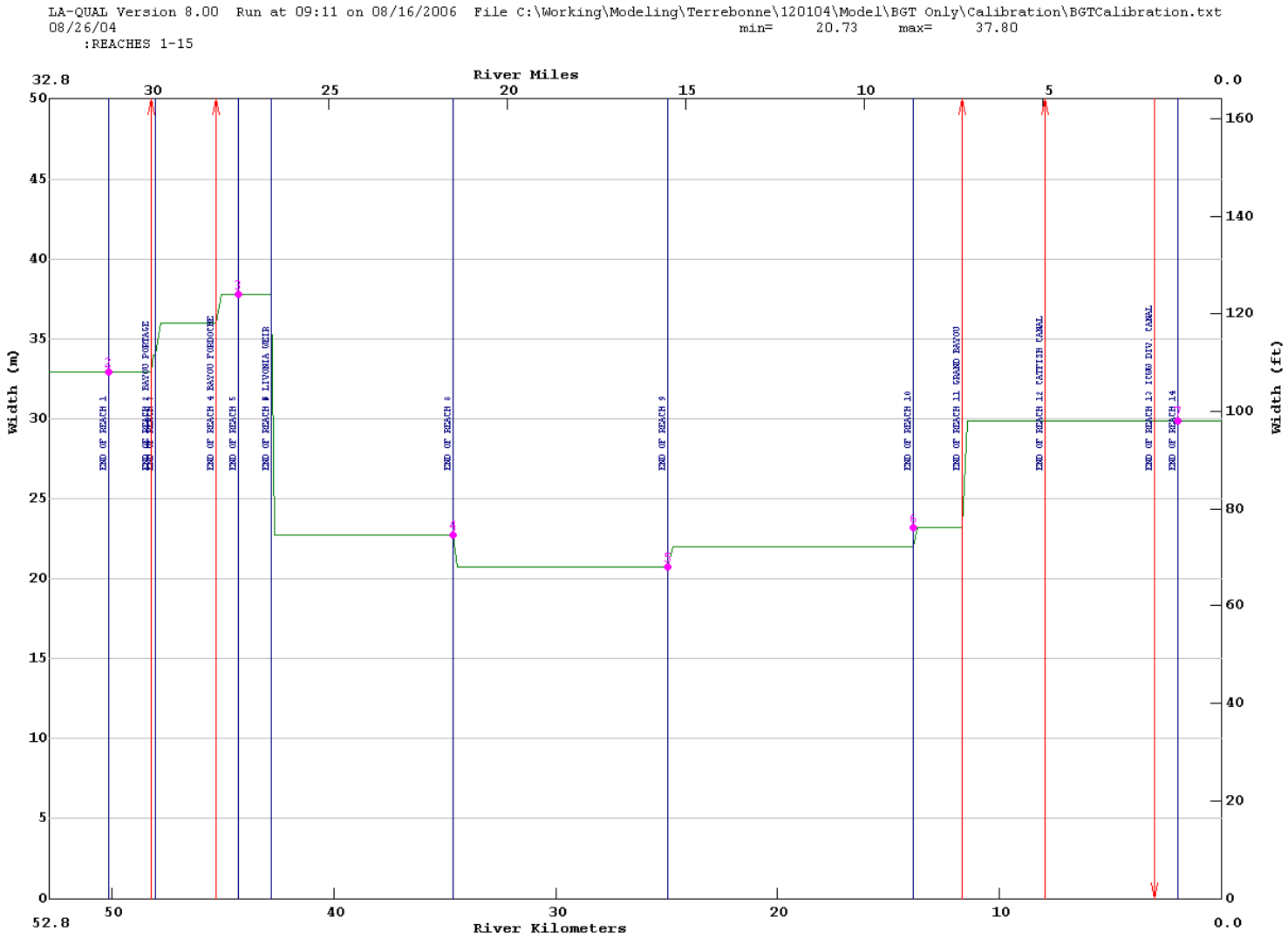

LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 11.63 max= 26.03
River Miles
32.8
30
25
20
15
10
5
0.0
Effective BOD (mg/L)
50
45
40
35
30
25
20
15
10
5
0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 8 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWO DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

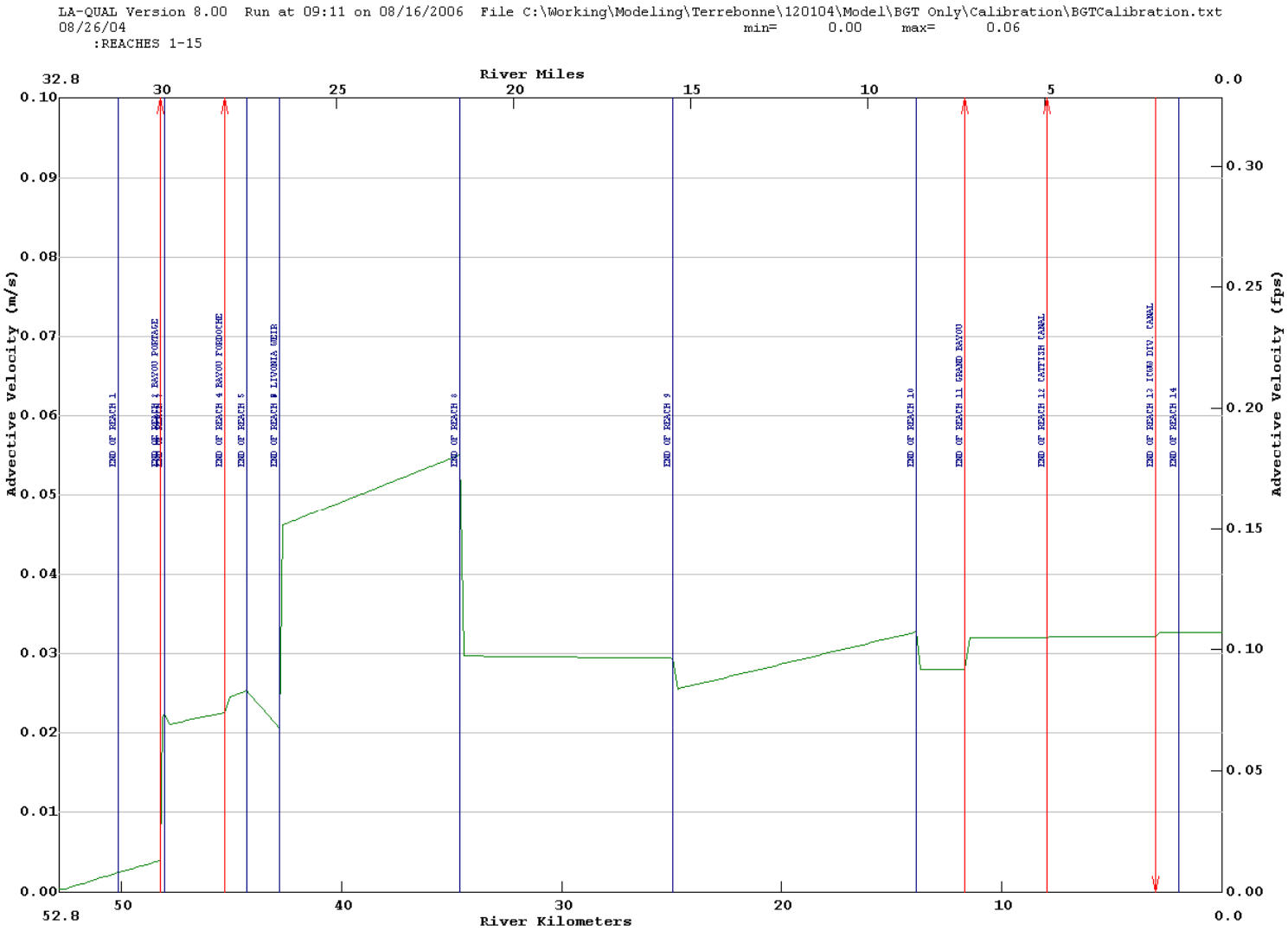

LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 14.60 max= 83.20
River Miles
32.8
30
25
20
15
10
5
0.0
Chlorophyll a (pg/L)
100
90
80
70
60
50
40
30
20
10
0
52.8
50
40
30
20
10
0.0
River Kilometers
END OF REACH 1
END OF REACH 2 BAYOU PORTAGE
END OF REACH 4 BAYOU POREDOCHE
END OF REACH 5
END OF REACH 6 LIVORNIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14

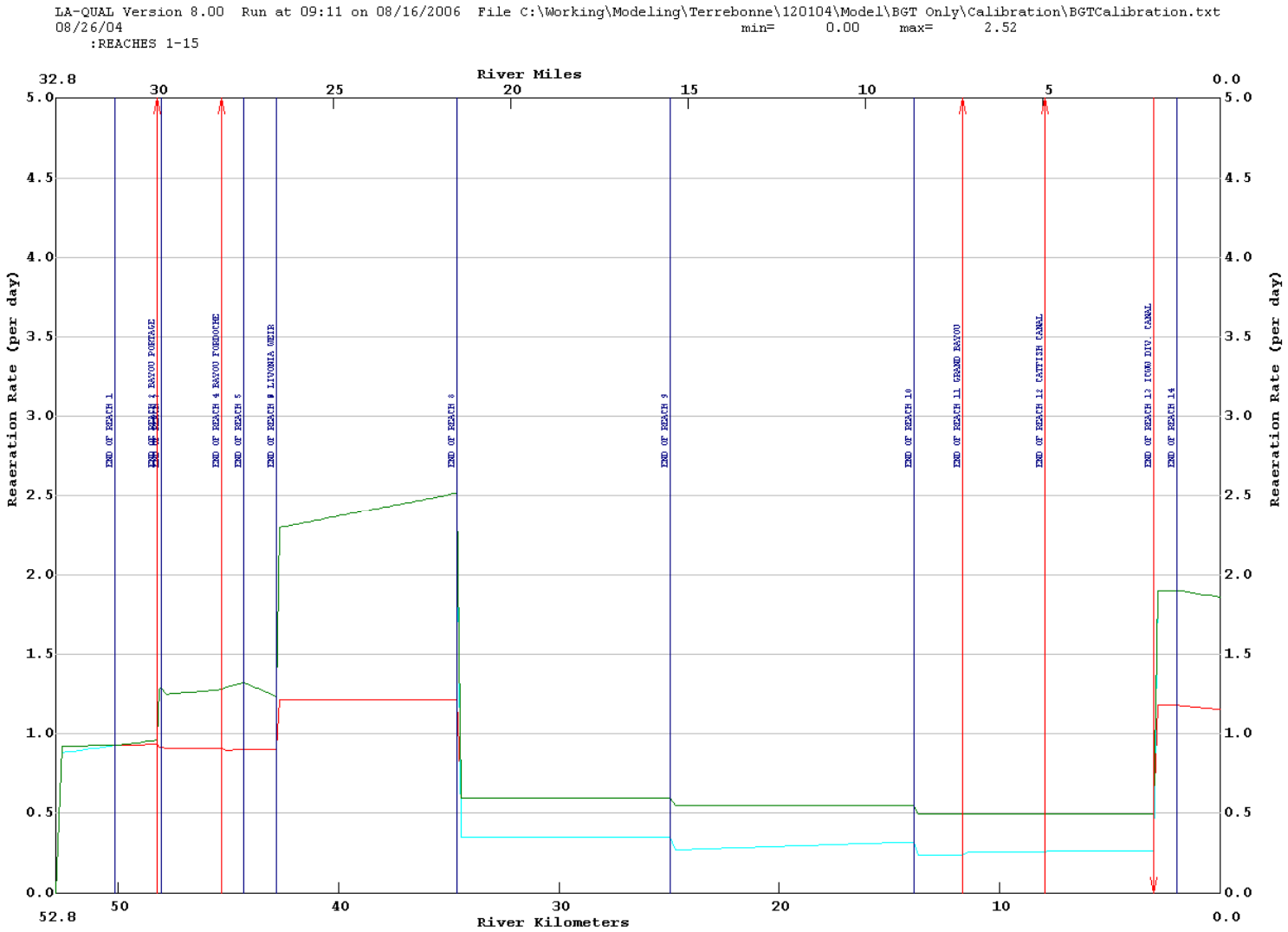

LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 0.00 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Sediment Oxygen Demand (g/m²/d)
Sediment Oxygen Demand (mg/ft²/d)
River Kilometers
52.8
50
40
30
20
10
0.0

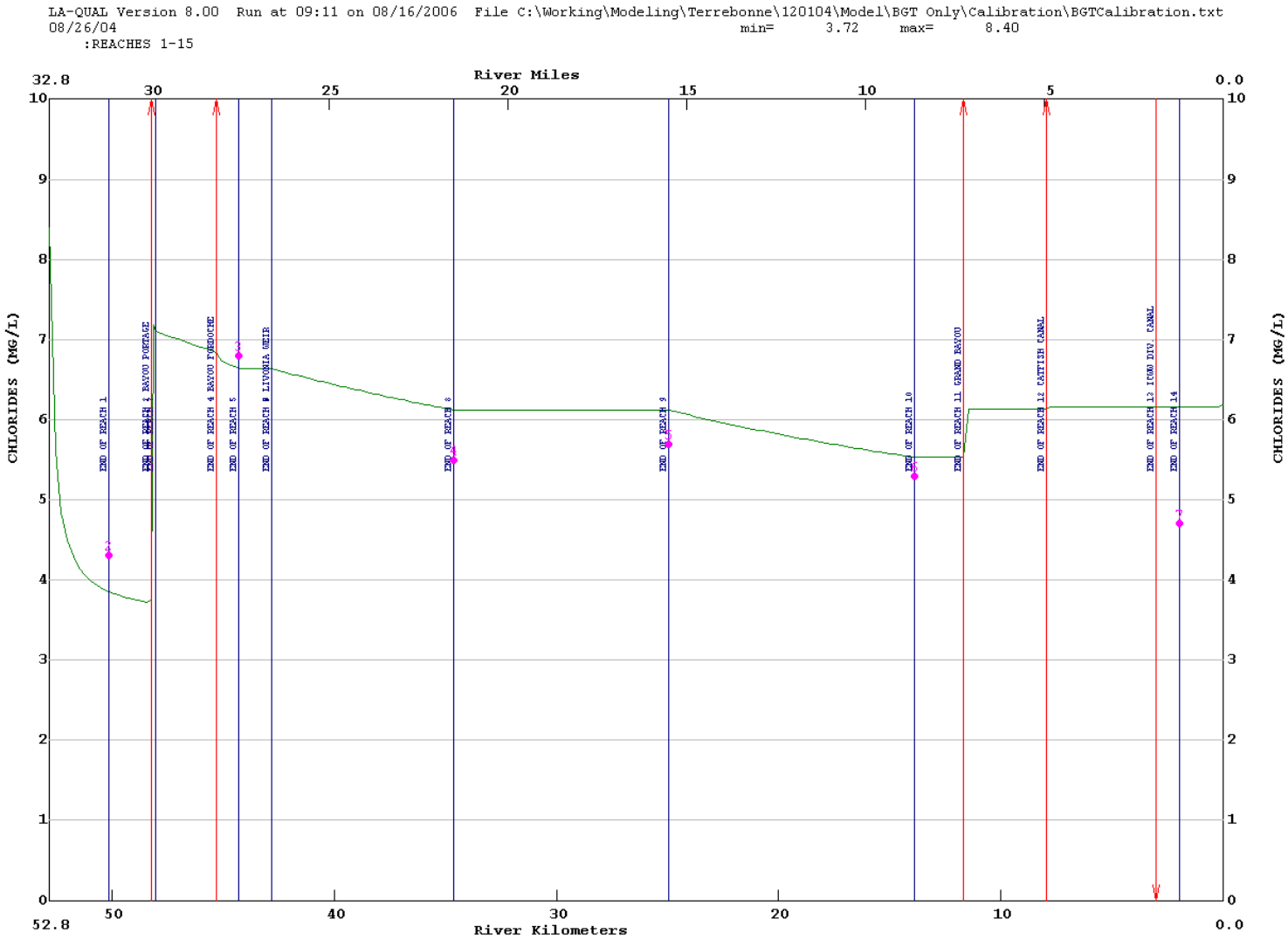

LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 0.00 max= 1.49
River Miles
32.8
30
25
20
15
10
5
0.0
Flow (m³/s)
Flow (cfs)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 8 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 0.63 max= 1.55
River Miles
32.8
30
25
20
15
10
5
0.0
Depth (m)
Depth (ft)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
52.8
50
40
30
20
10
0.0
River Kilometers
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 8 LIVORNIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 20.73 max= 37.80
River Miles
32.8
30
25
20
15
10
5
0.0
Width (m)
Width (ft)
50
45
40
35
30
25
20
15
10
5
0
160
140
120
100
80
60
40
20
0
52.8
50
40
30
20
10
0.0
River Kilometers
END OF REACH 1
END OF REACH 2 BAYOU PORTAGE
END OF REACH 4 BAYOU POREOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 0.00 max= 0.06
River Miles
32.8
30
25
20
15
10
5
0.0
Advective Velocity (m/s)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Advective Velocity (fps)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
52.8
50
40
30
20
10
0.0
River Kilometers
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 8 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWN DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 09:11 on 08/16/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
min= 0.00 max= 2.52
River Miles
32.8
30
25
20
15
10
5
0.0
Reaeration Rate (per day)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
52.8
50
40
30
20
10
0.0
River Kilometers
END OF REACH 1
END OF REACH 2 BAYOU PORTAGE
END OF REACH 4 BAYOU POREROCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14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:REACHES 1-15
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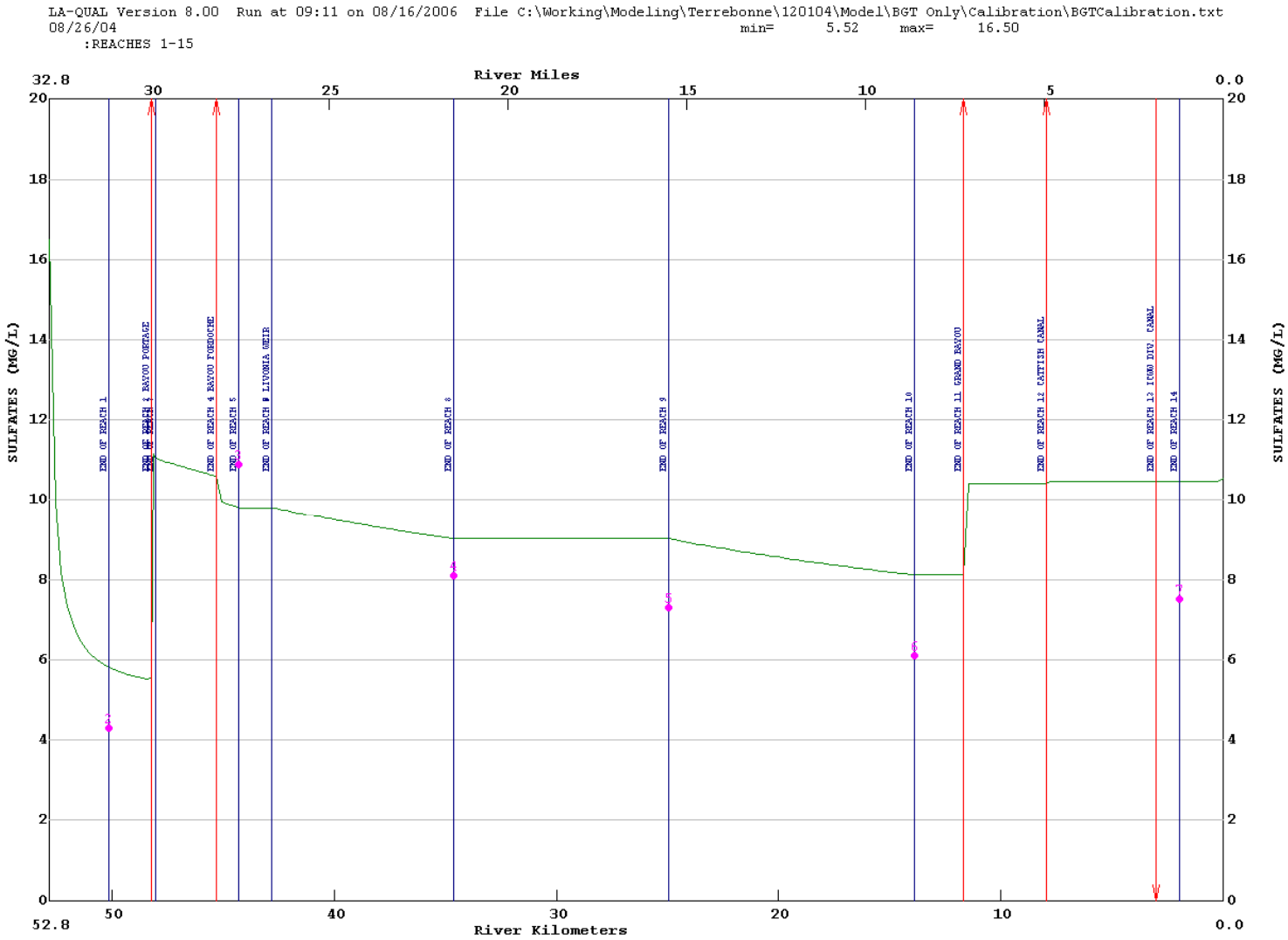
River Miles
32.8
30
25
20
15
10
5
0.0
CHLORIDES (MG/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU POINTAGE
END OF REACH 4 BAYOU POINTAGE
END OF REACH 4 BAYOU POINTAGE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14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08/26/04
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River Miles
32.8
30
25
20
15
10
5
0.0
SULFATES (MG/L)
20
18
16
14
12
10
8
6
4
2
0
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 7 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 TOWN DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

Appendix B3 – Justifications

	DATA TYPE 3 - PROGRAM CONSTANTS		
CONSTANT NAME	**VALUE**	**UNITS**	**DATA SOURCE**
KL MINIMUM	0.7	m/day	Louisiana Standard Practice
MAXIMUM ITERATION LIMIT	1000		Louisiana Standard Practice
INHIBITION CONTROL VALUE	3		Louisiana Standard Practice
EFFECTIVE BOD DUE TO ALGAE	0.15	mg/L BOD /ug chl a/ day	BPJ and calibration
ALGAE OXYGEN PRODUCTION	0	mg O / ug chl a / day	Louisiana Standard Practice for streams with large diurnal change in DO
K2 MAXIMUM	25	1/day at 20 deg C	Louisiana Standard Practice
HYDRAULIC CALCULATION METHOD	2		Louisiana Standard Practice
SETTLING RATE UNITS	2		Louisiana Standard Practice

			DATA TYPE 8 - REACH IDENTIFICATION DATA			
Reach	**ID**	**Name**	**Upstream River Kilometer**	**Downstream River Kilometer**	**Element Length, meters**	**Data Source**
1	GT	FALSE R CANAL-FRISCO BRIDGE (LA 411)	52.84	50.15	0.2690	
2	GT	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	50.15	48.26	0.2100	
3	GT	BAYOU PORTAGE-UNNAMED CANAL	48.26	48.06	0.1000	
4	GT	UNNAMED CANAL-BAYOU FORDOCHE	48.06	45.31	0.2500	
5	GT	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	45.31	44.30	0.2020	
6	GT	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	44.30	42.85	0.1450	
7	GT	CONCRETE WEIR	42.85	42.84	0.0100	
8	GT	CONCRETE WEIR-MARINGOUIN BRIDGE	42.84	34.63	0.1642	
9	GT	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	34.63	24.95	0.1936	
10	GT	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	24.95	13.90	0.2210	
11	GT	SIDNEY RD. BRIDGE-GRAND BAYOU	13.90	11.68	0.2220	
12	GT	GRAND BAYOU-CATFISH CANAL	11.68	7.93	0.2500	
13	GT	CATFISH CANAL-ICWW DIVERSION	7.93	3.02	0.1964	
14	GT	ICWW DIVERSION-LA 77 BOAT LAUNCH	3.02	1.96	0.2120	
15	GT	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	1.96	0.00	0.2450	

		DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS				DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS				DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS			
Reach	Name	Width Coeff. "a"	Width Exp. "b"	Width Const. "c"	Data Source	Depth Coeff. "d"	Depth Exp. "e"	Depth Const. "f"	Data Source	Slope (unitless)	Data Source	Manning's "n"	Data Source
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	0	0	32.92	Field Data, Site BGT2	0	0	0.811	Field Data, Site BGT2	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	0	0	32.92	Field Data, Site BGT2	0	0	0.811	Field Data, Site BGT2	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
3	BAYOU PORTAGE-UNNAMED CANAL	0	0	34	Estimate of field data between Sites BGT2 and BGT3	0	0	0.825	Estimate of field data between Sites BGT2 and BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
4	UNNAMED CANAL-BAYOU FORDOCHE	0	0	36	Estimate of field data between Sites BGT2 and BGT3	0	0	0.835	Estimate of field data between Sites BGT2 and BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
7	CONCRETE WEIR	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
8	CONCRETE WEIR-MARINGOUIN BRIDGE	0	0	22.71	Field Data, Site BGT4	0	0	0.631	Field Data, Site BGT4	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	0	0	20.73	Field Data, Site BGT5	0	0	1.283	Field Data, Site BGT5	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	0	0	22	Estimate of field data between Sites BGT5 and BGT6	0	0	1.4	Estimate of field data between Sites BGT5 and BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
11	SIDNEY RD. BRIDGE-GRAND BAYOU	0	0	23.16	Field Data, Site BGT6	0	0	1.554	Field Data, Site BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
12	GRAND BAYOU-CATFISH CANAL	0	0	29.87	Field Data, Site BGT7; chose width increase early due to input from Grand Bayou	0	0	1.554	Field Data, Site BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
13	CATFISH CANAL-ICWW DIVERSION	0	0	29.87	Field Data, Site BGT7	0	0	1.554	Field Data, Site BGT6; kept increased depth until diversion canal removes significant	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	0	0	29.87	Field Data, Site BGT7	0	0	0.655	Field Data, Site BGT7	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	0	0	29.87	Field Data, Site BGT7	0	0	0.655	Field Data, Site BGT7	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook

		DATA TYPE 11 - INITIAL CONDITIONS				DATA TYPE 11 - INITIAL CONDITIONS		
Reach	Name	Temp, deg C	Sal, ppt	DO, mg/l	Data Source	Chlorophyll a	Macrophytes	Data Source
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	23.25	0.00	3.69	Insitu Data, Site BGT9	45.60	0	Based on chlorophyll a data from survey, Site BGT9
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	23.76	0.00	5.44	Continuous Monitor Data, Site BGT2	65.10	0	Based on chlorophyll a data from survey, Site BGT2
3	BAYOU PORTAGE-UNNAMED CANAL	24.00	0.00	5.00	Estimate of field data between Sites BGT2 and BGT3	50.00	0	Based on chlorophyll a data from survey, Estimated between sites BGT2 and BGT3
4	UNNAMED CANAL-BAYOU FORDOCHE	24.00	0.00	4.50	Estimate of field data between Sites BGT2 and BGT3	50.00	0	Based on chlorophyll a data from survey, Estimated between sites BGT2 and BGT3
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	24.00	0.00	4.00	Estimate of field data between Sites BGT2 and BGT3	42.50	0	Based on chlorophyll a data from survey, Site BGT3
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	24.55	0.00	3.70	Continuous Monitor Data, Site BGT3	42.50	0	Based on chlorophyll a data from survey, Site BGT3
7	CONCRETE WEIR	24.55	0.00	3.70	Continuous Monitor Data, Site BGT3	42.50	0	Based on chlorophyll a data from survey, Site BGT3
8	CONCRETE WEIR-MARINGOUIN BRIDGE	24.72	0.00	5.72	Continuous Monitor Data, Site BGT4	42.50	0	Based on chlorophyll a data from survey, Site BGT3
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	24.72	0.00	5.72	Continuous Monitor Data, Site BGT4	83.20	0	Based on chlorophyll a data from survey, Site BGT4
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	24.81	0.00	2.39	Continuous Monitor Data, Site BGT5	26.65	0	Based on chlorophyll a data from survey, Site BGT5
11	SIDNEY RD. BRIDGE-GRAND BAYOU	25.07	0.00	2.32	Continuous Monitor Data, Site BGT6	36.00	0	Based on chlorophyll a data from survey, Site BGT6
12	GRAND BAYOU-CATFISH CANAL	25.07	0.00	2.45	Estimate of field data between Sites BGT6 and BGT7	34.00	0	Based on chlorophyll a data from survey, Estimated between sites BGT6 and BGT7
13	CATFISH CANAL-ICWW DIVERSION	25.07	0.00	2.60	Estimate of field data between Sites BGT6 and BGT7	31.00	0	Based on chlorophyll a data from survey, Estimated between sites BGT6 and BGT7
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	25.07	0.00	2.75	Estimate of field data between Sites BGT6 and BGT7	28.40	0	Based on chlorophyll a data from survey, Site BGT7
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	25.07	0.00	2.85	Insitu Data, Site BGT7	28.40	0	Based on chlorophyll a data from survey, Site BGT7

		DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS				DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS		DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS	
REACH	**NAME**	**K_2 OPT**	**Data Source**	**BKGRND SOD, gmO_2/m^2/day at 20 deg C**	**Data Source**	**Aerobic BOD1 Dec Rate (1/day)**	**Data Source**	**BOD1 SETT RATE (1/day)**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	15	Louisiana Equation	1.35	Calibration	0.121	Laboratory bottle rates, Estimate between Sites BGT9 and BGT2	0.05	LTP, BPJ and calibration
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	15	Louisiana Equation	1.50	Calibration	0.107	Laboratory bottle rates, Site BGT2	0.05	LTP, BPJ and calibration
3	BAYOU PORTAGE-UNNAMED CANAL	15	Louisiana Equation	3.00	Calibration	0.102	Laboratory bottle rates, Estimate between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
4	UNNAMED CANAL-BAYOU FORDOCHE	15	Louisiana Equation	3.75	Calibration	0.098	Laboratory bottle rates, Estimate between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	15	Louisiana Equation	3.75	Calibration	0.095	Laboratory bottle rates, Estimate between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	15	Louisiana Equation	3.50	Calibration	0.093	Laboratory bottle rates, Site BGT3	0.05	LTP, BPJ and calibration
7	CONCRETE WEIR	15	Louisiana Equation	2.00	Calibration	0.098	Laboratory bottle rates, Estimate between Sites BGT3 and BGT4	0.05	LTP, BPJ and calibration
8	CONCRETE WEIR-MARINGOUIN BRIDGE	15	Louisiana Equation	3.25	Calibration	0.105	Laboratory bottle rates, Estimate between Sites BGT3 and BGT4	0.05	LTP, BPJ and calibration
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	4	Owens-Edwards-Gibbs	2.25	Calibration	0.106	Laboratory bottle rates, Estimate between Sites BGT4 and BGT5	0.05	LTP, BPJ and calibration
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	4	Owens-Edwards-Gibbs	1.35	Calibration	0.099	Laboratory bottle rates, Site BGT5	0.05	LTP, BPJ and calibration
11	SIDNEY RD. BRIDGE-GRAND BAYOU	4	Owens-Edwards-Gibbs	1.40	Calibration	0.093	Laboratory bottle rates, Estimate between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
12	GRAND BAYOU-CATFISH CANAL	4	Owens-Edwards-Gibbs	1.50	Calibration	0.090	Laboratory bottle rates, Estimate between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
13	CATFISH CANAL-ICWW DIVERSION	4	Owens-Edwards-Gibbs	1.60	Calibration	0.086	Laboratory bottle rates, Estimate between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	15	Louisiana Equation	3.50	Calibration	0.084	Laboratory bottle rates, Estimate between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	15	Louisiana Equation	3.50	Calibration	0.082	Laboratory bottle rates, Site BGT7	0.05	LTP, BPJ and calibration

		DATA TYPE 16 - INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVE							
Reach	**Reach Name**	**Incr. Ouflow, m^3**	**Incr. Inflow, m^3**	**Data Source**	**Temp, deg C**	**Sal., ppt**	**Cons. Mat I Chlorides**	**Cons. Mat II Sulfates**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)		0.06	Incremental flows were used to simulate bankflow and unaccounted for tributaries within areas that no survey data could be obtained. Numerical values are based on estimation between survey sites as well as modeler judgement.			3.5	5	BPJ and calibration
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE		0.04				3.5	5	BPJ and calibration
3	BAYOU PORTAGE-UNNAMED CANAL		0.025				3.5	5	BPJ and calibration
4	UNNAMED CANAL-BAYOU FORDOCHE		0.05				3.5	5	BPJ and calibration
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)		0.03				3.5	5	BPJ and calibration
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	-0.15							
7	CONCRETE WEIR								
8	CONCRETE WEIR-MARINGOUIN BRIDGE		0.13				3.5	5	BPJ and calibration
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	-0.008							
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE		0.226				3.5	5	BPJ and calibration
11	SIDNEY RD. BRIDGE-GRAND BAYOU								
12	GRAND BAYOU-CATFISH CANAL								
13	CATFISH CANAL-ICWW DIVERSION								
14	ICWW DIVERSION-LA 77 BOAT LAUNCH								
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY								

		DATA TYPE 17 - INCREMENTAL DATA FOR DO, BOD, AND NITROGEN							
Reach	**Reach Name**	**DO, mg/l**	**UCBOD1, mg/l**	**ORG-N, mg/l**	**NBOD, mg/L**	**NH^3-N, mg/L**	**NO_2+NO_3 , mg/L**	**UCBOD2, mg/l**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	4.25	8.57						Incremental values due to overland flow. DO values chosen to be near current instream conditions. BOD value of 8.57 is from reference stream study for Indian Bayou.
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	3.75	8.57						
3	BAYOU PORTAGE-UNNAMED CANAL	3.5	8.57						
4	UNNAMED CANAL-BAYOU FORDOCHE	3.25	8.57						
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	2.75	8.57						
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR								
7	CONCRETE WEIR								
8	CONCRETE WEIR-MARINGOUIN BRIDGE	4.75	8.57						
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE								
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	2.25	8.57						
11	SIDNEY RD. BRIDGE-GRAND BAYOU								
12	GRAND BAYOU-CATFISH CANAL								
13	CATFISH CANAL-ICWW DIVERSION								
14	ICWW DIVERSION-LA 77 BOAT LAUNCH								
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY								

		DATA TYPE 19 - NONPOINT SOURCES		
Reach	**Reach Name**	**Length of Reach, km**	**UCBOD1, kg/day**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	2.69	225.0	Calibration
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	1.89	175.0	Calibration
3	BAYOU PORTAGE-UNNAMED CANAL	0.2	25.0	Calibration
4	UNNAMED CANAL-BAYOU FORDOCHE	2.75	225.0	Calibration
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	1.01	75.0	Calibration
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	1.45	175.0	Calibration
7	CONCRETE WEIR	0.01	0.0	Calibration
8	CONCRETE WEIR-MARINGOUIN BRIDGE	8.21	260.0	Calibration
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	9.68	600.0	Calibration
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	11.05	1075.0	Calibration
11	SIDNEY RD. BRIDGE-GRAND BAYOU	2.22	275.0	Calibration
12	GRAND BAYOU-CATFISH CANAL	3.75	325.0	Calibration
13	CATFISH CANAL-ICWW DIVERSION	4.91	425.0	Calibration
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	1.06	70.0	Calibration
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	1.96	125.0	Calibration

	DATA TYPE 20 - HEADWATER DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES						
Headwater Name	**Element No.**	**Logical Unit Number**	**Headwater Flow, cms**	**Temp, deg C**	**Conservative Material I Chlorides**	**Conservative Material II Sulfates**	**Data Source**
False River Overflow	1		0.00453	23.25	8.4	16.5	Site BGT9 field data; sulfates modified due to inconsistencies with upstream and downstream sites

	DATA TYPE 21 - HEADWATER DATA FOR DO, BOD, AND NITROGEN		
Headwater Name	**Dissolved Oxygen, mg/L**	**UCBOD1, mg/l**	**Data Source**
False River Overflow	3.69	11.63	Site BGT9 field and lab values

	DATA TYPE 24 - WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES						
Wasteload / Withdrawal Name	**EL #**	**Flow, cms**	**Temperature, deg C**	**Salinity**	**Conservative Material I Chlorides**	**Conservative Material II Sulfates**	**Data Source**
Bayou Portage	20	0.5	21.5		8	12.5	Flow values estimated based on location of dischargers and wetland/swamp areas and calibration of conservative materials. Site BGT12 field and lab data provided temperature and conservative data for Bayou Fordoche. Temperature and conservative values for Bayou Portage were based on calibration and modeler judgement.
Bayou Fordoche	33	0.1	21.72		6.2	5.9	
Grand Bayou	209	0.47459	21.7		7.4	15.3	Survey data, Site BGT13
Catfish Canal	224	0.00651	19.1		12	20.9	Survey data, Site BGT14
ICWW Diversion	249	-0.85	25.3		4.4	7.5	No survey data, so values are set to match current instream conditions. Flow is estimated with the idea that the majority of flow has changed to travel the shorter route through the diversion to the intracoastal waterway.

	DATA TYPE 25 - WASTELOAD DATA FOR DO, BOD, AND NITROGEN				
Wasteload / Withdrawal Name	EL #	DO, mg/l	UCBOD1, mg/l	BOD decayed, percent	Data Source
Bayou Portage	20	3.78	15.15		No Data, values chosen to match instream conditions
Bayou Fordoche	33	4.84	15.92		Field and lab data, Site BGT12
Grand Bayou	209	2.77	16.47		Field and lab data, Site BGT13
Catfish Canal	224	4.26	24.13		Field and lab data, Site BGT14
ICWW Diversion	249	1.50	18.51		Field and lab data, Site BGT15

	DATA TYPE 27 - LOWER BOUNDARY CONDITIONS		
Parameter	Value	Units	Data Source
TEMPERATURE	23.84	oCelcius	Site BGT8 Continuous Monitor data
CONSERVATIVE MATERIAL I CHLORIDES	15.9	mg/L	Site BGT8 Lab data
CONSERVATIVE MATERIAL II SULFATES	35.2	mg/L	Site BGT8 Lab data
DISSOLVED OXYGEN	2.04	mg/L	Site BGT8 Continuous Monitor data
BIOCHEMICAL OXYGEN DEMAND 1	6.48	mg/L	Site BGT8 lab data
CHLOROPHYLL A	14.6	ug/L	Site BGT8 lab data

	DATA TYPE 28 - DAM DATA					
Dam Name	EL #	Dam Reaeration Option	Water Quality Factor, "a"	Weir Dam aeration coeffient, "b"	Static head loss over dam, "H"	Data Source
Livonia Weir	48	1	0.85	0.75	1.622	Water Quality Factor is a subjective factor. A value of 0.85 was chosen between the documented values of 0.65 for "gross" and 1.00 for "moderate." Weir/Dam aeration coefficient was set at 0.75 for a flat, broad-crested, curved face weir. Static head loss was set to match the change in gage height at USGS stations upstream and downstream from the weir.

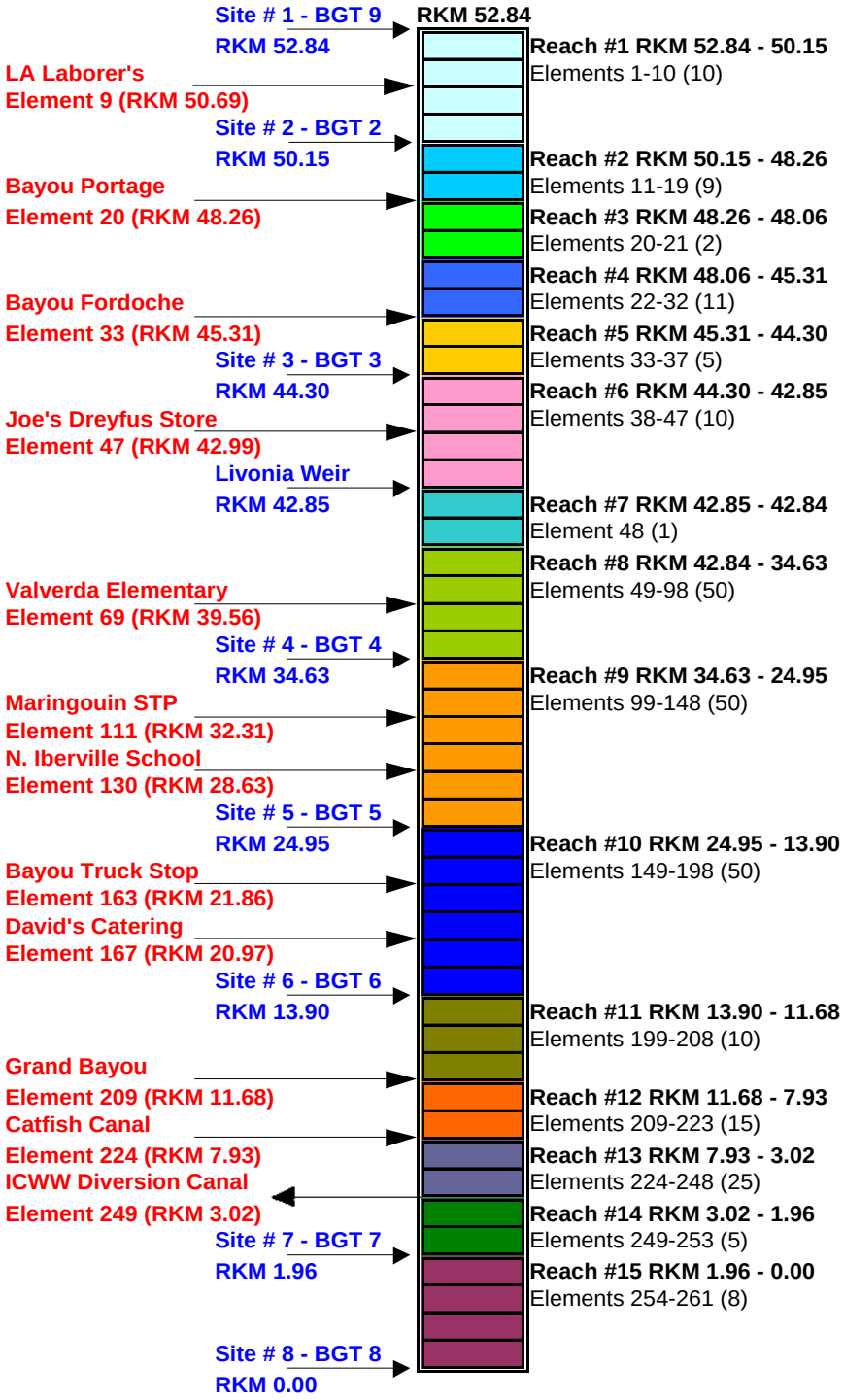
Appendix C – Calibration Model Development

Appendix C1 – Site Information

Site Number	Site Description	River Kilometer
BGT1A	Upstream of rock weir	56.48
BGT1B	Downstream of rock weir	56.38
BGT9	False River Overflow Canal	52.84
BGT2	Frisco Bridge	50.15
BGT10	Bayou Portage	48.26
BGT11	Unnamed Canal	47.98
BGT12	Bayou Fordoche	45.31
BGT3	Livonia Bridge	44.3
BGT4	Hwy 977 Bridge in Maringouin	34.63
BGT5	Rosedale Bridge	24.95
BGT6	Sidney Road Bridge	13.9
BGT13	Grand Bayou Upstream of Confluence	11.68
BGT14	Catfish Canal	7.93
BGT15	ICWW Diversion Canal	3.02
BGT7	Hwy 77 Boat Launch	1.96
BGT8	Intracoastal Waterway downstream of confluence with Bayou Grosse Tete	Lower Boundary

Appendix C2 – Vector Diagram

Bayou Grosse Tete Model Layout Subsegment 120104



Appendix C3 – Reach Setup

REACH AND ELEMENT LAYOUT FOR THE BAYOU GROSS TETE LA-QUAL MODEL										
REACH	WATERBODY	REACH DESCRIPTION	BEGINNING RIVER KILOMETER (km)	ENDING RIVER KILOMETER (km)	TOTAL LENGTH (km)	ELEMENT SIZE (km)	NUMBER OF ELEMENTS IN REACH	TOTAL NUMBER OF ELEMENTS	BEGINNING ELEMENT NUMBER	ENDING ELEMENT NUMBER
1	Bayou Gross Tete (BGT)	False River Overflow Canal-BGT 2	52.84	50.15	2.69	0.2690000000	10	10	1	10
2	Bayou Gross Tete (BGT)	BGT 2-Bayou Portage	50.15	48.26	1.89	0.2100000000	9	19	11	19
3	Bayou Gross Tete (BGT)	Bayou Portage-Unnamed Canal near Bayou Portage (BGT 11)	48.26	48.06	0.20	0.1000000000	2	21	20	21
4	Bayou Gross Tete (BGT)	Unnamed Canal near Bayou Portage (BGT 11)-Bayou Fordoche	48.06	45.31	2.75	0.2500000000	11	32	22	32
5	Bayou Gross Tete (BGT)	Bayou Fordoche-BGT 3	45.31	44.30	1.01	0.2020000000	5	37	33	37
6	Bayou Gross Tete (BGT)	BGT 3-BGT 3A	44.30	42.85	1.45	0.1450000000	10	47	38	47
7	Bayou Gross Tete (BGT)	BGT 3A-BGT 3B	42.85	42.84	0.01	0.0100000000	1	48	48	48
8	Bayou Gross Tete (BGT)	BGT 3B-BGT4	42.84	34.63	8.21	0.1642000000	50	98	49	98
9	Bayou Gross Tete (BGT)	BGT 4-BGT 5	34.63	24.95	9.68	0.1936000000	50	148	99	148
10	Bayou Gross Tete (BGT)	BGT 5-BGT 6	24.95	13.90	11.05	0.2210000000	50	198	149	198
11	Bayou Gross Tete (BGT)	BGT 6-Grand Bayou	13.90	11.68	2.22	0.2220000000	10	208	199	208
12	Bayou Gross Tete (BGT)	Grand Bayou-Catfish Canal	11.68	7.93	3.75	0.2500000000	15	223	209	223
13	Bayou Gross Tete (BGT)	Catfish Canal-Intracoastal Waterway Diversion Canal	7.93	3.02	4.91	0.1964000000	25	248	224	248
14	Bayou Gross Tete (BGT)	Intracoastal Waterway Diversion Canal-BGT 7	3.02	1.96	1.06	0.2120000000	5	253	249	253
15	Bayou Gross Tete (BGT)	BGT 7-Intracoastal Waterway	1.96	0.00	1.96	0.2450000000	8	261	254	261
Totals					52.84		261			

Appendix C4 – Calibration Loading

Calibration Model Non-Point Load Equivalent Calculations:

Modeled stream or water body: **Bayou Grosse Tete (Subsegment 120104)**

Shaded cells are input values for calculations. If modeling the nitrogen series, be sure that column "I" is clear of all values.

REACH NUMBER & DESCRIPTION	Calibration Model Reach Length	Calibration Model Average Reach Width	Calibration Model UCBOD1 Nonpoint loading	Calibration Model Total UCBOD Nonpoint loading	Calibration Model UCBOD1 Nonpoint loading	Calibration Model Total UCBOD Nonpoint loading	Calibration Model SOD	Calibration Model TOTAL Benthic Load
	km	meters	kg O_2/day	kg O_2/day	g O_2 / [(m^2)(day)]	g O_2 / [(m^2)(day)]	g O_2 / [(m^2)(day)]	g O_2 / [(m^2)(day)]
Reach 1 -- False River Canal - BGT2	2.69	32.92	225.00	225.00	2.541	2.541	1.35	**3.89**
Reach 2 -- BGT2 - Bayou Portage	1.89	32.92	175.00	175.00	2.813	2.813	1.50	**4.31**
Reach 3 -- Bayou Portage - Unnamed Canal	0.20	34.00	25.00	25.00	3.676	3.676	3.00	**6.68**
Reach 4 -- Unnamed Canal - Bayou Fordoche	2.75	36.00	225.00	225.00	2.273	2.273	3.75	**6.02**
Reach 5 -- Bayou Fordoche - BGT3	1.01	37.80	75.00	75.00	1.964	1.964	3.75	**5.71**
Reach 6 -- BGT3 - BGT3A	1.45	37.80	175.00	175.00	3.193	3.193	3.50	**6.69**
Reach 7 -- BGT3A - BGT3B	0.01	37.80	0.00	0.00	0.000	0.000	2.00	**2.00**
Reach 8 -- BGT3B - BGT4	8.21	22.71	260.00	260.00	1.394	1.394	3.25	**4.64**
Reach 9 -- BGT4 - BGT5	9.68	20.73	600.00	600.00	2.990	2.990	2.25	**5.24**
Reach 10 -- BGT5 - BGT6	11.05	22.00	1075.00	1075.00	4.422	4.422	1.35	**5.77**
Reach 11 -- BGT6 - Grand Bayou	2.22	23.16	275.00	275.00	5.349	5.349	1.40	**6.75**
Reach 12 -- Grand Bayou - Catfish Canal	3.75	29.87	325.00	325.00	2.901	2.901	1.50	**4.40**
Reach 13 -- Catfish Canal - ICWW Diversion	4.91	29.87	425.00	425.00	2.898	2.898	1.60	**4.50**
Reach 14 -- ICWW Diversion - BGT7	1.06	29.87	70.00	70.00	2.211	2.211	3.50	**5.71**
Reach 15 -- BGT7 - Intracoastal Waterway	1.96	29.87	125.00	125.00	2.135	2.135	3.50	**5.64**

Appendix D – Projection Model Input and Output Data Sets

Appendix D1 – Summer Projection Input and Output Files

Input File

```
CNTROL01     LA-QUAL model for Bayou Gross Tete System TMDL (subsegment 120104)
CNTROL02     Summer Projection Meeting DO Standard of 2.3 mg/L
CNTROL12 YES METRIC UNITS
ENDATA01
MODOPT01  NO TEMPERATURE
MODOPT02  NO SALINITY
MODOPT03  NO CONSERVATIVE MATERIAL  I = CHLORIDES                  IN MG/L
MODOPT04  NO CONSERVATIVE MATERIAL II = SULFATES                   IN MG/L
MODOPT05 YES DISSOLVED OXYGEN
MODOPT06 YES BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07  NO BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08  NO NITROGEN
MODOPT09  NO PHOSPHORUS
MODOPT10  NO CHLOROPHYLL A
MODOPT11  NO MACROPHYTES
MODOPT12  NO COLIFORM
MODOPT13  NO NONCONSERVATIVE MATERIAL
ENDATA02
PROGRAM  KL MINIMUM                          =     0.7
PROGRAM  MAXIMUM ITERATION LIMIT             =  1000.0
PROGRAM  INHIBITION CONTROL VALUE            =     3.0
! Effective BOD due to algae value is within the range
! suggested in the LAQUAL User's Manual (ver. 5.01, rev. G, 6/27/2001)
PROGRAM  EFFECTIVE BOD DUE TO ALGAE          =     0.15
PROGRAM  ALGAE OXYGEN PRODUCTION             =     0.05
PROGRAM  K2 MAXIMUM                          =    25.0
PROGRAM  HYDRAULIC CALCULATION METHOD        =     2.0
PROGRAM  SETTLING RATE UNITS                 =     2.0
ENDATA03
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
ENDATA04
ENDATA05
ENDATA06
ENDATA07
!Reach Identification Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -- ******************************----------**********----------
REACH ID    1  GT   FALSE R CANAL-BGT 2               52.84     50.15     0.269
REACH ID    2  GT   BGT 2-B. PORTAGE                  50.15     48.26     0.210
REACH ID    3  GT   B. PORTAGE-UNNAMED CANAL          48.26     48.06     0.100
REACH ID    4  GT   UNNAMED CANAL-B. FORDOCHE         48.06     45.31     0.250
REACH ID    5  GT   B. FORDOCHE-BGT 3                 45.31     44.30     0.202
REACH ID    6  GT   BGT 3-BGT 3A                      44.30     42.85     0.145
REACH ID    7  GT   BGT 3A-BGT 3B                     42.85     42.84     0.010
REACH ID    8  GT   BGT 3B-BGT 4                      42.84     34.63     0.1642
REACH ID    9  GT   BGT 4-BGT 5                       34.63     24.95     0.1936
REACH ID   10  GT   BGT 5-BGT 6                       24.95     13.90     0.221
REACH ID   11  GT   BGT 6-GRAND BAYOU                 13.90     11.68     0.222
REACH ID   12  GT   GRAND BAYOU-CATFISH CANAL         11.68      7.93     0.250
REACH ID   13  GT   CATFISH CANAL-ICWW DIVERSION       7.93      3.02     0.1964
REACH ID   14  GT   ICWW DIVERSION-BGT 7              3.02      1.96     0.212
REACH ID   15  GT   BGT 7-INTRACOASTAL WATERWAY       1.96      0.00     0.245
ENDATA08
!Advective Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
```

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!         ***  -------*******-------*******-------*******--------*******
HYDR-1      1  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      2  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      3  0.0000 0.0000  34.00 0.0000  0.000  0.825   0.0001  0.035
HYDR-1      4  0.0000 0.0000  36.00 0.0000  0.000  0.835   0.0001  0.035
HYDR-1      5  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      6  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      7  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      8  0.0000 0.0000  22.71 0.0000  0.000  0.631   0.0001  0.035
HYDR-1      9  0.0000 0.0000  20.73 0.0000  0.000  1.283   0.0001  0.035
HYDR-1     10  0.0000 0.0000  22.00 0.0000  0.000  1.400   0.0001  0.035
HYDR-1     11  0.0000 0.0000  23.16 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     12  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     13  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     14  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
HYDR-1     15  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
ENDATA09
!Dispersive Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----**********----------**********----------
ENDATA10
!Initial Conditions
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  --------********--------********--------********--------********
INITIAL     1     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     2     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     3     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     4     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     5     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     6     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     7     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     8     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL     9     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL    10     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL    11     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL    12     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL    13     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL    14     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
INITIAL    15     28.34     0.0   7.00    0.000   0.000   0.00  10.000   00.00
ENDATA11
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----******----- ******-------*******-------*******-------
COEF-1      1   15   0.00  0.000 0.000 0.948  0.121  0.05
COEF-1      2   15   0.00  0.000 0.000 1.014  0.107  0.05
COEF-1      3   15   0.00  0.000 0.000 1.775  0.102  0.05
COEF-1      4   15   0.00  0.000 0.000 2.282  0.098  0.05
COEF-1      5   15   0.00  0.000 0.000 2.316  0.095  0.05
COEF-1      6   15   0.00  0.000 0.000 2.070  0.093  0.05
COEF-1      7   15   0.00  0.000 0.000 1.904  0.098  0.05
COEF-1      8   15   0.00  0.000 0.000 2.142  0.105  0.05
COEF-1      9    4   0.00  0.000 0.000 1.426  0.106  0.05
COEF-1     10    4   0.00  0.000 0.000 0.831  0.099  0.05
COEF-1     11    4   0.00  0.000 0.000 0.826  0.093  0.05
COEF-1     12    4   0.00  0.000 0.000 1.007  0.090  0.05
COEF-1     13    4   0.00  0.000 0.000 1.066  0.086  0.05
COEF-1     14   15   0.00  0.000 0.000 2.162  0.084  0.05
COEF-1     15   15   0.00  0.000 0.000 2.171  0.082  0.05
ENDATA12
!Nitrogen and Phosphorus Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
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!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******-------
ENDATA13
!Algae and Macrophyte Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******       -------*******
ENDATA14
!Coliform and Nonconservative Cofficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******
ENDATA15
!Incremental Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------*********
ENDATA16
!Incremental Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------
ENDATA17
!Incremental Data for Phosphorus, Chlorophyll, Coliform and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********
ENDATA18
!Nonpoint Source Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------
NONPOINT    1   157.960    0.000
NONPOINT    2   118.330    0.000
NONPOINT    3    14.790    0.000
NONPOINT    4   136.890    0.000
NONPOINT    5    46.320    0.000
NONPOINT    6   103.480    0.000
NONPOINT    7     0.000    0.000
NONPOINT    8   171.370    0.000
NONPOINT    9   380.370    0.000
NONPOINT   10   662.030    0.000
NONPOINT   11   162.260    0.000
NONPOINT   12   218.200    0.000
NONPOINT   13   283.200    0.000
NONPOINT   14    43.240    0.000
NONPOINT   15    77.520    0.000
ENDATA19
!Headwater Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  -------------------- *** --------********--------********--------
HDWTR-1     1  False River Overflow  0.  0.00283  28.34  0.0       8.40   16.50
ENDATA20
!Headwater Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********---------
HDWTR-2     1      7.00    10.04     0.00   0.000    0.00
ENDATA21
!Headwater Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
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!        ****  ---------********---------********
HDWTR-3     1      0.00     0.00   0.00    0.00
ENDATA22
!Junction Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        **** ----  ************************************************************
ENDATA23
!Wasteload Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  --------------------********---------********---------*********
WSTLD-1     9  LA LABORERS T&A      0.00037                0.00     0.00     0.00
WSTLD-1    20  BAYOU PORTAGE        0.00283     28.34      0.00     0.00     0.00
WSTLD-1    26  UNION PACIFIC RR     0.00017                0.00     0.00     0.00
WSTLD-1    33  BAYOU FORDOCHE       0.00283     28.34      0.00     0.00     0.00
WSTLD-1    46  OAK TREE INN         0.00039                0.00     0.00     0.00
WSTLD-1    69  VALVERDA ELEMENTARY  0.00050                0.00     0.00     0.00
WSTLD-1   111  MARINGOUIN STP       0.00822                0.00     0.00     0.00
WSTLD-1   130  N IBERVILLE SCHOOL   0.00085                0.00     0.00     0.00
WSTLD-1   163  BAYOU TRUCK STOP     0.00067                0.00     0.00     0.00
WSTLD-1   167  DAVID'S CATERING     0.00006                0.00     0.00     0.00
WSTLD-1   209  GRAND  BAYOU         0.00283     28.34      0.00     0.00     0.00
WSTLD-1   224  CATFISH CANAL        0.00283     28.34      0.00     0.00     0.00
WSTLD-1   249  ICWW DIVERSION      -0.02180     28.34      0.00     0.00     0.00
ENDATA24
!Wasteload Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  ---------********-----********---------*****---------
WSTLD-2     9      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2    20      7.00    11.47  0.0     0.00     0.00  0.0     0.00
WSTLD-2    26      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2    33      7.00    11.80  0.0     0.00     0.00  0.0     0.00
WSTLD-2    46      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2    69      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   111      2.00    44.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   130      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   163      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   167      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   209      7.00    12.04  0.0     0.00     0.00  0.0     0.00
WSTLD-2   224      7.00    15.39  0.0     0.00     0.00  0.0     0.00
WSTLD-2   249      6.64     4.43  0.0     0.00     0.00  0.0     0.00
ENDATA25
!Wasteload Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  ---------********---------*********
WSTLD-3     9       0.00     0.00     0.00     0.00
WSTLD-3    20       0.00     0.00     0.00     0.00
WSTLD-3    26       0.00     0.00     0.00     0.00
WSTLD-3    33       0.00     0.00     0.00     0.00
WSTLD-3    46       0.00     0.00     0.00     0.00
WSTLD-3    69       0.00     0.00     0.00     0.00
WSTLD-3   111       0.00     0.00     0.00     0.00
WSTLD-3   130       0.00     0.00     0.00     0.00
WSTLD-3   163       0.00     0.00     0.00     0.00
WSTLD-3   167       0.00     0.00     0.00     0.00
WSTLD-3   209       0.00     0.00     0.00     0.00
WSTLD-3   224       0.00     0.00     0.00     0.00
WSTLD-3   249       0.00     0.00     0.00     0.00
ENDATA26
LOWER BC TEMPERATURE                      =  28.34
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LOWER BC SALINITY                          =   0.00
LOWER BC CONSERVATIVE MATERIAL I           =  15.90
LOWER BC CONSERVATIVE MATERIAL II          =  35.20
LOWER BC DISSOLVED OXYGEN                  =   7.00
LOWER BC BOD1 BIOCHEMICAL OXYGEN DEMAND    =   6.48
LOWER BC BOD2 BIOCHEMICAL OXYGEN DEMAND    =   0.00
LOWER BC ORGANIC NITROGEN                  =   0.00
LOWER BC AMMONIA NITROGEN                  =   0.00
LOWER BC NITRATE + NITRITE                 =   0.00
LOWER BC PHOSPHORUS                        =   0.00
LOWER BC CHLOROPHYLL A                     =  10.00
LOWER BC COLIFORM                          =   0.00
LOWER BC NONCONSERVATIVE MATERIAL          =   0.00
ENDATA27
!DAM DATA
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  -------------------- ** --------********--------
DAM DATA   48        Livonia Weir    1    0.85    0.75   1.622
ENDATA28
ENDATA29
NUMBER OF PLOTS = 5
NUMBER OF REACHES IN PLOT 5 =  15
PLOT RCH  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15
NUMBER OF REACHES IN PLOT 1 =   5
PLOT RCH  1  2  3  4  5
NUMBER OF REACHES IN PLOT 2 =   3
PLOT RCH  6  7  8
NUMBER OF REACHES IN PLOT 3 =   4
PLOT RCH  8  9 10 11
NUMBER OF REACHES IN PLOT 4 =   5
PLOT RCH 11 12 13 14 15
ENDATA30
!oVERLAY FILES ARE NOT INCLUDED WITH THIS MODEL
!OVERLAY 1 OVERLAY BGTProj.TXT                 :REACHES 1-15
!OVERLAY 2 OVERLAY BGTProj.TXT                 :REACHES 1-5
!OVERLAY 3 OVERLAY BGTProj.TXT                 :REACHES 6-8
!OVERLAY 4 OVERLAY BGTProj.TXT                 :REACHES 8-11
!OVERLAY 5 OVERLAY BGTProj.TXT                 :REACHES 11-15
ENDATA31
```

Output File

```
LA-QUAL Version 9.03
Louisiana Department of Environmental Quality

Input file is S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Summer.txt
Running in steady-state mode using LA defaults
Output produced at 16:19 on 06/15/2010

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
TITLE02         Summer Projection Meeting DO Standard of 2.3 mg/L,
CNTROL12  YES   METRIC UNITS
ENDATA01

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

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL  I = CHLORIDES                 IN MG/L
MODOPT04   NO   CONSERVATIVE MATERIAL II = SULFATES                  IN MG/L
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08   NO   NITROGEN
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORM
MODOPT13   NO   NONCONSERVATIVE MATERIAL
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         KL MINIMUM                          =         0.70000 meters/day
PROGRAM         MAXIMUM ITERATION LIMIT             =      1000.00000
PROGRAM         INHIBITION CONTROL VALUE            =         3.00000 (inhibit all rates but SOD)
PROGRAM         EFFECTIVE BOD DUE TO ALGAE          =         0.15000 mg/L BOD1 per ug/L chl a
PROGRAM         ALGAE OXYGEN PRODUCTION             =         0.05000 mg O/ug chl a/day
PROGRAM         K2 MAXIMUM                          =        25.00000 per day
PROGRAM         HYDRAULIC CALCULATION METHOD        =         2.00000 (widths and depths)
PROGRAM         SETTLING RATE UNITS                 =         2.00000 (values entered as per 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

$$$ DATA TYPE 6 (PHYTOPLANKTON CONSTANTS) $$$

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA06

$$$ DATA TYPE 7 (PERIPHYTON CONSTANTS) $$$

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	GT	FALSE R CANAL-BGT 2	52.84	TO	50.15	0.2690	2.69	10	1	10
REACH ID	2	GT	BGT 2-B. PORTAGE	50.15	TO	48.26	0.2100	1.89	9	11	19
REACH ID	3	GT	B. PORTAGE-UNNAMED CANAL	48.26	TO	48.06	0.1000	0.20	2	20	21
REACH ID	4	GT	UNNAMED CANAL-B. FORDOCHE	48.06	TO	45.31	0.2500	2.75	11	22	32
REACH ID	5	GT	B. FORDOCHE-BGT 3	45.31	TO	44.30	0.2020	1.01	5	33	37
REACH ID	6	GT	BGT 3-BGT 3A	44.30	TO	42.85	0.1450	1.45	10	38	47
REACH ID	7	GT	BGT 3A-BGT 3B	42.85	TO	42.84	0.0100	0.01	1	48	48
REACH ID	8	GT	BGT 3B-BGT 4	42.84	TO	34.63	0.1642	8.21	50	49	98
REACH ID	9	GT	BGT 4-BGT 5	34.63	TO	24.95	0.1936	9.68	50	99	148
REACH ID	10	GT	BGT 5-BGT 6	24.95	TO	13.90	0.2210	11.05	50	149	198
REACH ID	11	GT	BGT 6-GRAND BAYOU	13.90	TO	11.68	0.2220	2.22	10	199	208
REACH ID	12	GT	GRAND BAYOU-CATFISH CANAL	11.68	TO	7.93	0.2500	3.75	15	209	223
REACH ID	13	GT	CATFISH CANAL-ICWW DIVERSION	7.93	TO	3.02	0.1964	4.91	25	224	248
REACH ID	14	GT	ICWW DIVERSION-BGT 7	3.02	TO	1.96	0.2120	1.06	5	249	253
REACH ID	15	GT	BGT 7-INTRACOASTAL WATERWAY	1.96	TO	0.00	0.2450	1.96	8	254	261

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	GT	0.000	0.000	32.920	0.000	0.000	0.811	0.00010	0.035
HYDR-1	2	GT	0.000	0.000	32.920	0.000	0.000	0.811	0.00010	0.035

HYDR-1	3	GT	0.000	0.000	34.000	0.000	0.000	0.825	0.00010	0.035
HYDR-1	4	GT	0.000	0.000	36.000	0.000	0.000	0.835	0.00010	0.035
HYDR-1	5	GT	0.000	0.000	37.800	0.000	0.000	0.847	0.00010	0.035
HYDR-1	6	GT	0.000	0.000	37.800	0.000	0.000	0.847	0.00010	0.035
HYDR-1	7	GT	0.000	0.000	37.800	0.000	0.000	0.847	0.00010	0.035
HYDR-1	8	GT	0.000	0.000	22.710	0.000	0.000	0.631	0.00010	0.035
HYDR-1	9	GT	0.000	0.000	20.730	0.000	0.000	1.283	0.00010	0.035
HYDR-1	10	GT	0.000	0.000	22.000	0.000	0.000	1.400	0.00010	0.035
HYDR-1	11	GT	0.000	0.000	23.160	0.000	0.000	1.554	0.00010	0.035
HYDR-1	12	GT	0.000	0.000	29.870	0.000	0.000	1.554	0.00010	0.035
HYDR-1	13	GT	0.000	0.000	29.870	0.000	0.000	1.554	0.00010	0.035
HYDR-1	14	GT	0.000	0.000	29.870	0.000	0.000	0.655	0.00010	0.035
HYDR-1	15	GT	0.000	0.000	29.870	0.000	0.000	0.655	0.00010	0.035

ENDATA09

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

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

ENDATA10

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

CARD TYPE	REACH	ID	TEMP deg C	SALIN ppt	DO mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	PERIP g/m²	BOD1 mg/L	BOD2 mg/L	ORG-N mg/L	ORG-P mg/L	COLI #/100mL	NCM	CM-1 MG/L	CM-2 MG/L
INITIAL	1	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	2	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	3	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	4	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	5	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	6	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	7	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	8	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	9	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	10	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	11	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	12	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	13	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	14	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	15	GT	28.34	0.00	7.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	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	AEROB BOD DECAY per day	BOD SETT per day	SETTLD SOD AVAIL frac	ANAER BOD DECAY per day	AEROB BOD2 DECAY per day	BOD2 SETT per day	ANAER BOD2 DECAY per day	BOD2 HYDR TO BOD1 per day
COEF-1	1	GT	15	LOUISIANA	0.000	0.000	0.000	0.948	0.121	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	GT	15	LOUISIANA	0.000	0.000	0.000	1.014	0.107	0.050	0.000	0.000	0.000	0.000	0.000	0.000

COEF-1	3	GT 15 LOUISIANA	0.000	0.000	0.000	1.775	0.102	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	4	GT 15 LOUISIANA	0.000	0.000	0.000	2.282	0.098	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	5	GT 15 LOUISIANA	0.000	0.000	0.000	2.316	0.095	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	6	GT 15 LOUISIANA	0.000	0.000	0.000	2.070	0.093	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	7	GT 15 LOUISIANA	0.000	0.000	0.000	1.904	0.098	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	8	GT 15 LOUISIANA	0.000	0.000	0.000	2.142	0.105	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	9	GT 4 OWENS <5 FPS	0.000	0.000	0.000	1.426	0.106	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	10	GT 4 OWENS <5 FPS	0.000	0.000	0.000	0.831	0.099	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	11	GT 4 OWENS <5 FPS	0.000	0.000	0.000	0.826	0.093	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	12	GT 4 OWENS <5 FPS	0.000	0.000	0.000	1.007	0.090	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	13	GT 4 OWENS <5 FPS	0.000	0.000	0.000	1.066	0.086	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	14	GT 15 LOUISIANA	0.000	0.000	0.000	2.162	0.084	0.050	0.000	0.000	0.000	0.000		0.000	0.000
COEF-1	15	GT 15 LOUISIANA	0.000	0.000	0.000	2.171	0.082	0.050	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 per day	ORG-N SETT per day	SETTLD ORGN AVAIL frac	NH3 DECA per day	BKGRND NH3 SRCE g/m²/d	BKGRND PO4 SRCE g/m²/d	DENIT RATE per day	ORGP DECA per day	ORGP SETT per day	SETTLD ORGP AVAIL frac

ENDATA13

$$$ DATA TYPE 14 (ALGAE PHYTOPLANKTON AND PERIPHYTON COEFFICIENTS) $$$

CARD TYPE	REACH	ID	SECCHI DEPTH m	CHL A: ALGAE frac	PHYTO SETT per day	PHYTO DEATH per day	MAX PHYTO GROW per day	PHYTO RESP per day	PERIP DEATH per day	MAX PERIP GROW per day	PERIP RESP per day	BANK SHADING frac

ENDATA14

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

CARD TYPE	REACH	ID	COLIFORM DIE-OFF per day	NCM DECAY per day	NCM SETT per day

ENDATA15

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

CARD TYPE	REACH	ID	OUTFLOW m³/s	INFLOW m³/s	TEMP deg C	SALIN ppt	CM-1 MG/L	CM-2 MG/L	IN/DIST	OUT/DIST

ENDATA16

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

CARD TYPE	REACH	ID	DO mg/L	BOD1 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	BOD2 mg/L

ENDATA17

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

CARD TYPE	REACH	ID	PO4 mg/L	PHYTO CHL A µg/L	COLI #/100mL	NCM	ORGP mg/L

ENDATA18

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

CARD TYPE	REACH	ID	BOD1 kg/d	ORG-N kg/d	COLI #/day	NCM	DO kg/d	BOD2 kg/d	ORG-P kg/d
NONPOINT	1	GT	157.96	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	2	GT	118.33	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	GT	14.79	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	4	GT	136.89	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	5	GT	46.32	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	6	GT	103.48	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	7	GT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	8	GT	171.37	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	9	GT	380.37	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	GT	662.03	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	11	GT	162.26	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	12	GT	218.20	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	13	GT	283.20	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	14	GT	43.24	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	15	GT	77.52	0.00	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-1 MG/L	CM-2 MG/L	HDW DISP EXCHG frac
HDWTR-1	1	False River Overflow	0	0.00283	0.09993	28.34	0.00	8.400	16.500	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	BOD2 mg/L
HDWTR-2	1	False River Overflow	7.00	10.04	0.00	0.00	0.00	0.00

ENDATA21

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

CARD TYPE	ELEMENT	NAME	PO4-P mg/L	PHYTO CHL A µg/L	COLI #/100mL	NCM	ORG-P mg/L
HDWTR-3	1	False River Overflow	0.00	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-1 MG/L	CM-2 MG/L
WSTLD-1	9	50.69	LA LABORERS T&A	0.00037	0.01306	0.008	0.00	0.00	0.000	0.000
WSTLD-1	20	48.26	BAYOU PORTAGE	0.00283	0.09993	0.065	28.34	0.00	0.000	0.000
WSTLD-1	26	47.06	UNION PACIFIC RR	0.00017	0.00600	0.004	0.00	0.00	0.000	0.000
WSTLD-1	33	45.31	BAYOU FORDOCHE	0.00283	0.09993	0.065	28.34	0.00	0.000	0.000
WSTLD-1	46	43.14	OAK TREE INN	0.00039	0.01377	0.009	0.00	0.00	0.000	0.000
WSTLD-1	69	39.56	VALVERDA ELEMENTARY	0.00050	0.01766	0.011	0.00	0.00	0.000	0.000
WSTLD-1	111	32.31	MARINGOUIN STP	0.00822	0.29025	0.188	0.00	0.00	0.000	0.000
WSTLD-1	130	28.63	N IBERVILLE SCHOOL	0.00085	0.03001	0.019	0.00	0.00	0.000	0.000
WSTLD-1	163	21.86	BAYOU TRUCK STOP	0.00067	0.02366	0.015	0.00	0.00	0.000	0.000
WSTLD-1	167	20.97	DAVID'S CATERING	0.00006	0.00212	0.001	0.00	0.00	0.000	0.000
WSTLD-1	209	11.68	GRAND BAYOU	0.00283	0.09993	0.065	28.34	0.00	0.000	0.000
WSTLD-1	224	7.93	CATFISH CANAL	0.00283	0.09993	0.065	28.34	0.00	0.000	0.000
WSTLD-1	249	3.02	ICWW DIVERSION	-0.02180	-0.76977	-0.498	28.34	0.00	0.000	0.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD2 mg/L
WSTLD-2	9	LA LABORERS T&A	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	20	BAYOU PORTAGE	7.00	11.47	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	26	UNION PACIFIC RR	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	33	BAYOU FORDOCHE	7.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	46	OAK TREE INN	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	69	VALVERDA ELEMENTARY	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	111	MARINGOUIN STP	2.00	44.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	130	N IBERVILLE SCHOOL	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	163	BAYOU TRUCK STOP	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	167	DAVID'S CATERING	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	209	GRAND BAYOU	7.00	12.04	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	224	CATFISH CANAL	7.00	15.39	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	249	ICWW DIVERSION	6.64	4.43	0.00	0.00	0.00	0.00	0.00	0.00

ENDATA25

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

CARD TYPE	ELEMENT	NAME	PO4-P	PHYTO CHL A	COLI	NCM	ORG-P

			mg/L	µg/L	#/100mL		mg/L
WSTLD-3	9	LA LABORERS T&A	0.00	0.00	0.00	0.00	0.00
WSTLD-3	20	BAYOU PORTAGE	0.00	0.00	0.00	0.00	0.00
WSTLD-3	26	UNION PACIFIC RR	0.00	0.00	0.00	0.00	0.00
WSTLD-3	33	BAYOU FORDOCHE	0.00	0.00	0.00	0.00	0.00
WSTLD-3	46	OAK TREE INN	0.00	0.00	0.00	0.00	0.00
WSTLD-3	69	VALVERDA ELEMENTARY	0.00	0.00	0.00	0.00	0.00
WSTLD-3	111	MARINGOUIN STP	0.00	0.00	0.00	0.00	0.00
WSTLD-3	130	N IBERVILLE SCHOOL	0.00	0.00	0.00	0.00	0.00
WSTLD-3	163	BAYOU TRUCK STOP	0.00	0.00	0.00	0.00	0.00
WSTLD-3	167	DAVID'S CATERING	0.00	0.00	0.00	0.00	0.00
WSTLD-3	209	GRAND BAYOU	0.00	0.00	0.00	0.00	0.00
WSTLD-3	224	CATFISH CANAL	0.00	0.00	0.00	0.00	0.00
WSTLD-3	249	ICWW DIVERSION	0.00	0.00	0.00	0.00	0.00

ENDATA26

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

CARD TYPE	CONSTITUENT	CONCENTRATION		
LOWER BC	TEMPERATURE	=	28.340	deg C
LOWER BC	SALINITY	=	0.000	ppt
LOWER BC	CONSERVATIVE MATERIAL I	=	15.900	MG/L
LOWER BC	CONSERVATIVE MATERIAL II	=	35.200	MG/L
LOWER BC	DISSOLVED OXYGEN	=	7.000	mg/L
LOWER BC	BOD1 BIOCHEMICAL OXYGEN DEMAND	=	6.480	mg/L
LOWER BC	BOD2 BIOCHEMICAL OXYGEN DEMAND	=	0.000	mg/L
LOWER BC	ORGANIC NITROGEN	=	0.000	mg/L
LOWER BC	AMMONIA NITROGEN	=	0.000	mg/L
LOWER BC	NITRATE + NITRITE	=	0.000	mg/L
LOWER BC	PHOSPHORUS	=	0.000	mg/L
LOWER BC	CHLOROPHYLL A	=	10.000	µg/L
LOWER BC	COLIFORM	=	0.000	#/100 mL
LOWER BC	NONCONSERVATIVE MATERIAL	=	0.000	

ENDATA27

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

CARD TYPE	ELEMENT	NAME	EQN	"A"	"B"	"H"
DAM DATA	48	Livonia Weir	1	0.850	0.750	1.622

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

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

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

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


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
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
     .....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15


FINAL REPORT    False River Overflow                        LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO.  1      FALSE R CANAL-BGT 2                       Summer Projection Meeting DO Standard of 2.3 mg/L,
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********** REACH INPUTS **********

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
1	HDWTR	0.00283	28.34	0.00	8.40	16.50	7.00	8.54	0.00	10.04	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
9	WSTLD	0.00037	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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	52.84	52.57	0.00283	0.0	0.00011	29.37	29.37	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000

2	52.57	52.30	0.00283	0.0	0.00011	29.37	58.74	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
3	52.30	52.03	0.00283	0.0	0.00011	29.37	88.12	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
4	52.03	51.76	0.00283	0.0	0.00011	29.37	117.49	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
5	51.76	51.49	0.00283	0.0	0.00011	29.37	146.86	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
6	51.49	51.23	0.00283	0.0	0.00011	29.37	176.23	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
7	51.23	50.96	0.00283	0.0	0.00011	29.37	205.60	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
8	50.96	50.69	0.00283	0.0	0.00011	29.37	234.98	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
9	50.69	50.42	0.00320	11.6	0.00012	25.98	260.95	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
10	50.42	50.15	0.00320	11.6	0.00012	25.98	286.93	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
TOT						286.93				71817.94	88554.79					
AVG					0.0001			0.81	32.92			26.70				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
1	52.571	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
2	52.302	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
3	52.033	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
4	51.764	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
5	51.495	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
6	51.226	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
7	50.957	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
8	50.688	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
9	50.419	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
10	50.150	7.78	1.01	0.18	0.06	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.86	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.95			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
1	52.571	28.34	0.00	1.00	0.00	5.01	9.14	0.00	10.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
2	52.302	28.34	0.00	1.00	0.00	4.93	9.21	0.00	10.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
3	52.033	28.34	0.00	1.00	0.00	4.93	9.22	0.00	10.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
4	51.764	28.34	0.00	1.00	0.00	4.92	9.23	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
5	51.495	28.34	0.00	1.00	0.00	4.92	9.23	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
6	51.226	28.34	0.00	1.00	0.00	4.92	9.23	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
7	50.957	28.34	0.00	1.00	0.00	4.92	9.23	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
8	50.688	28.34	0.00	1.00	0.00	4.92	9.23	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
9	50.419	28.34	0.00	1.00	0.00	4.57	11.22	0.00	12.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
10	50.150	28.34	0.00	1.00	0.00	4.86	9.50	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
1	52.571	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
2	52.302	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
3	52.033	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
4	51.764	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
5	51.495	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
6	51.226	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
7	50.957	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
8	50.688	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
9	50.419	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
10	50.150	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 2 BGT 2-B. PORTAGE

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
11	UPR RCH	0.00320	28.34	0.00	1.00	0.00	4.86	9.50	0.00	11.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
11	50.15	49.94	0.00320	11.6	0.00012	20.28	307.21	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
12	49.94	49.73	0.00320	11.6	0.00012	20.28	327.48	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
13	49.73	49.52	0.00320	11.6	0.00012	20.28	347.76	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
14	49.52	49.31	0.00320	11.6	0.00012	20.28	368.04	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
15	49.31	49.10	0.00320	11.6	0.00012	20.28	388.32	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
16	49.10	48.89	0.00320	11.6	0.00012	20.28	408.60	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
17	48.89	48.68	0.00320	11.6	0.00012	20.28	428.88	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
18	48.68	48.47	0.00320	11.6	0.00012	20.28	449.16	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
19	48.47	48.26	0.00320	11.6	0.00012	20.28	469.43	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.000	0.000
TOT						182.51				50459.45	62218.80					

AVG 0.0001 0.81 32.92 26.70

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
11	49.940	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
12	49.730	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
13	49.520	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
14	49.310	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
15	49.100	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
16	48.890	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
17	48.680	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
18	48.470	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
19	48.260	7.78	1.01	0.16	0.06	0.00	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.86	0.11	0.05	0.00	0.00	0.00	0.00	0.00	1.01			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
11	49.940	28.34	0.00	1.00	0.00	4.78	10.53	0.00	12.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
12	49.730	28.34	0.00	1.00	0.00	4.75	10.72	0.00	12.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
13	49.520	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
14	49.310	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
15	49.100	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
16	48.890	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
17	48.680	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
18	48.470	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
19	48.260	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
11	49.940	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
12	49.730	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
13	49.520	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
14	49.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
15	49.100	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
16	48.890	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

17	48.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
18	48.470	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
19	48.260	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000						

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 3 B. PORTAGE-UNNAMED CANAL

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
20	UPR RCH	0.00320	28.34	0.00	1.00	0.00	4.74	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
20	WSTLD	0.00283	28.34	0.00	0.00	0.00	7.00	11.47	0.00	11.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
20	48.26	48.16	0.00603	53.1	0.00021	5.38	474.82	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.000	0.000
21	48.16	48.06	0.00603	53.1	0.00021	5.38	480.20	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.000	0.000
TOT						10.77				5610.00	6800.00					
AVG					0.0002			0.82	34.00			28.05				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
20	48.160	7.78	0.99	0.15	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
21	48.060	7.78	0.99	0.15	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.85	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.77			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM	ENDING	TEMP	SALN	CM-1	CM-2	DO	BOD1	BOD2	EBOD1	EBOD2	ORG-N	NH3-N	NO3-N	TOT-N	EORG-N	ETOT-N	ORG-P	PO4-P	TOT-P	EORG-P	ETOT-P	CHL A	PERIP	COLI	NCM

NO.	DIST	deg C	ppt	MG/L	MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	g/m²	#/100mL	
20	48.160	28.34	0.00	1.00	0.00	3.49	11.85	0.00	13.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
21	48.060	28.34	0.00	1.00	0.00	3.09	12.20	0.00	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
20	48.160	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
21	48.060	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 4 UNNAMED CANAL-B. FORDOCHE

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
22	UPR RCH	0.00603	28.34	0.00	1.00	0.00	3.09	12.20	0.00	13.70	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
26	WSTLD	0.00017	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
22	48.06	47.81	0.00603	53.1	0.00020	14.42	494.63	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
23	47.81	47.56	0.00603	53.1	0.00020	14.42	509.05	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
24	47.56	47.31	0.00603	53.1	0.00020	14.42	523.48	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
25	47.31	47.06	0.00603	53.1	0.00020	14.42	537.90	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
26	47.06	46.81	0.00620	54.4	0.00021	14.03	551.93	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
27	46.81	46.56	0.00620	54.4	0.00021	14.03	565.96	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
28	46.56	46.31	0.00620	54.4	0.00021	14.03	579.99	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
29	46.31	46.06	0.00620	54.4	0.00021	14.03	594.02	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
30	46.06	45.81	0.00620	54.4	0.00021	14.03	608.04	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
31	45.81	45.56	0.00620	54.4	0.00021	14.03	622.07	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
32	45.56	45.31	0.00620	54.4	0.00021	14.03	636.10	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.000	0.000
TOT						155.90				82665.00	99000.00					

AVG						0.0002				0.83	36.00								30.06							

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
22	47.810	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
23	47.560	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
24	47.310	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
25	47.060	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
26	46.810	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
27	46.560	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
28	46.310	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
29	46.060	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
30	45.810	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
31	45.560	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
32	45.310	7.78	0.98	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.84	0.10	0.05	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	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
22	47.810	28.34	0.00	1.00	0.00	2.51	9.13	0.00	10.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
23	47.560	28.34	0.00	1.00	0.00	2.58	8.35	0.00	9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
24	47.310	28.34	0.00	1.00	0.00	2.61	8.16	0.00	9.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
25	47.060	28.34	0.00	1.00	0.00	2.62	8.11	0.00	9.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
26	46.810	28.34	0.00	1.00	0.00	2.50	8.98	0.00	10.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
27	46.560	28.34	0.00	1.00	0.00	2.59	8.32	0.00	9.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
28	46.310	28.34	0.00	1.00	0.00	2.61	8.15	0.00	9.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
29	46.060	28.34	0.00	1.00	0.00	2.62	8.11	0.00	9.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
30	45.810	28.34	0.00	1.00	0.00	2.62	8.09	0.00	9.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
31	45.560	28.34	0.00	1.00	0.00	2.62	8.09	0.00	9.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
32	45.310	28.34	0.00	1.00	0.00	2.63	8.09	0.00	9.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
22	47.810	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
23	47.560	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

24	47.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
25	47.060	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
26	46.810	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
27	46.560	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
28	46.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
29	46.060	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
30	45.810	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
31	45.560	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
32	45.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 5 B. FORDOCHE-BGT 3

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
33	UPR RCH	0.00620	28.34	0.00	1.00	0.00	2.63	8.09	0.00	9.59	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
33	WSTLD	0.00283	28.34	0.00	0.00	0.00	7.00	11.80	0.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
33	45.31	45.11	0.00903	68.7	0.00028	8.29	644.39	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.000	0.000
34	45.11	44.91	0.00903	68.7	0.00028	8.29	652.68	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.000	0.000
35	44.91	44.70	0.00903	68.7	0.00028	8.29	660.97	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.000	0.000
36	44.70	44.50	0.00903	68.7	0.00028	8.29	669.26	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.000	0.000
37	44.50	44.30	0.00903	68.7	0.00028	8.29	677.55	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.000	0.000
TOT						41.45				32336.76	38178.00					
AVG					0.0003			0.85	37.80			32.02				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
33	45.108	7.78	0.97	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
34	44.906	7.78	0.97	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00

35	44.704	7.78	0.97	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
36	44.502	7.78	0.97	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
37	44.300	7.78	0.97	0.14	0.06	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	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.83	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.32			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
33	45.108	28.34	0.00	1.00	0.00	2.76	7.94	0.00	9.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
34	44.906	28.34	0.00	1.00	0.00	2.69	7.45	0.00	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
35	44.704	28.34	0.00	1.00	0.00	2.70	7.26	0.00	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
36	44.502	28.34	0.00	1.00	0.00	2.71	7.19	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
37	44.300	28.34	0.00	1.00	0.00	2.72	7.17	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
33	45.108	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
34	44.906	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
35	44.704	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
36	44.502	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
37	44.300	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 6 BGT 3-BGT 3A

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
38	UPR RCH	0.00903	28.34	0.00	1.00	0.00	2.72	7.17	0.00	8.67	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
46	WSTLD	0.00039	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
38	44.30	44.15	0.00903	68.7	0.00028	5.95	683.50	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
39	44.15	44.01	0.00903	68.7	0.00028	5.95	689.45	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
40	44.01	43.86	0.00903	68.7	0.00028	5.95	695.40	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
41	43.86	43.72	0.00903	68.7	0.00028	5.95	701.35	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
42	43.72	43.57	0.00903	68.7	0.00028	5.95	707.30	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
43	43.57	43.43	0.00903	68.7	0.00028	5.95	713.25	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
44	43.43	43.28	0.00903	68.7	0.00028	5.95	719.20	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
45	43.28	43.14	0.00903	68.7	0.00028	5.95	725.15	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
46	43.14	42.99	0.00942	70.0	0.00029	5.70	730.86	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
47	42.99	42.85	0.00942	70.0	0.00029	5.70	736.56	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.000	0.000
TOT						59.01				46424.07	54810.00					
AVG					0.0003			0.85	37.80			32.02				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
38	44.155	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
39	44.010	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
40	43.865	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
41	43.720	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
42	43.575	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
43	43.430	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
44	43.285	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
45	43.140	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
46	42.995	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
47	42.850	7.78	0.97	0.14	0.06	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.83	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
38	44.155	28.34	0.00	1.00	0.00	2.90	9.40	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
39	44.010	28.34	0.00	1.00	0.00	2.81	10.42	0.00	11.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
40	43.865	28.34	0.00	1.00	0.00	2.73	10.89	0.00	12.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
41	43.720	28.34	0.00	1.00	0.00	2.70	11.11	0.00	12.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
42	43.575	28.34	0.00	1.00	0.00	2.68	11.21	0.00	12.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

43	43.430	28.34	0.00	1.00	0.00	2.67	11.26	0.00	12.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
44	43.285	28.34	0.00	1.00	0.00	2.67	11.28	0.00	12.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
45	43.140	28.34	0.00	1.00	0.00	2.67	11.29	0.00	12.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
46	42.995	28.34	0.00	1.00	0.00	2.38	13.67	0.00	15.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
47	42.850	28.34	0.00	1.00	0.00	2.49	12.41	0.00	13.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
38	44.155	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
39	44.010	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
40	43.865	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
41	43.720	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
42	43.575	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
43	43.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
44	43.285	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
45	43.140	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
46	42.995	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
47	42.850	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 7 BGT 3A-BGT 3B

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
48	UPR RCH	0.00942	28.34	0.00	1.00	0.00	2.49	12.41	0.00	13.91	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
48	DAM	Livonia Weir ADDS 2.26 MG/L DISSOLVED OXYGEN GIVING 4.75 MG/L D.O. FOR THE UPR RCH INPUT																

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
48	42.85	42.84	0.00942	70.0	0.00029	0.39	736.95	0.85	37.80	320.17	378.00	32.02	0.00	0.000	0.000	0.000
TOT						0.39				320.17	378.00					
AVG					0.0003			0.85	37.80			32.02				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
48	42.840	7.78	0.97	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.83	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.90			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
48	42.840	28.34	0.00	1.00	0.00	4.23	11.48	0.00	12.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
48	42.840	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 8 BGT 3B-BGT 4 Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
49	UPR RCH	0.00942	28.34	0.00	1.00	0.00	4.23	11.48	0.00	12.98	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
69	WSTLD	0.00050	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

NO.	DIST km	DIST km	m³/s	EFF	VELO m/s	TIME days	TIME days	m	m	m³	AREA m²	AREA m²	PRISM m³	VELO m/s	m²/s	VELO m/s
49	42.84	42.68	0.00942	70.0	0.00066	2.89	739.84	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
50	42.68	42.51	0.00942	70.0	0.00066	2.89	742.73	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
51	42.51	42.35	0.00942	70.0	0.00066	2.89	745.63	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
52	42.35	42.18	0.00942	70.0	0.00066	2.89	748.52	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
53	42.18	42.02	0.00942	70.0	0.00066	2.89	751.41	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
54	42.02	41.85	0.00942	70.0	0.00066	2.89	754.30	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
55	41.85	41.69	0.00942	70.0	0.00066	2.89	757.19	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
56	41.69	41.53	0.00942	70.0	0.00066	2.89	760.08	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
57	41.53	41.36	0.00942	70.0	0.00066	2.89	762.97	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
58	41.36	41.20	0.00942	70.0	0.00066	2.89	765.86	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
59	41.20	41.03	0.00942	70.0	0.00066	2.89	768.75	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
60	41.03	40.87	0.00942	70.0	0.00066	2.89	771.65	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
61	40.87	40.71	0.00942	70.0	0.00066	2.89	774.54	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
62	40.71	40.54	0.00942	70.0	0.00066	2.89	777.43	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
63	40.54	40.38	0.00942	70.0	0.00066	2.89	780.32	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
64	40.38	40.21	0.00942	70.0	0.00066	2.89	783.21	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
65	40.21	40.05	0.00942	70.0	0.00066	2.89	786.10	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
66	40.05	39.88	0.00942	70.0	0.00066	2.89	788.99	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
67	39.88	39.72	0.00942	70.0	0.00066	2.89	791.88	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
68	39.72	39.56	0.00942	70.0	0.00066	2.89	794.77	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
69	39.56	39.39	0.00992	71.5	0.00069	2.75	797.52	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
70	39.39	39.23	0.00992	71.5	0.00069	2.75	800.26	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
71	39.23	39.06	0.00992	71.5	0.00069	2.75	803.01	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
72	39.06	38.90	0.00992	71.5	0.00069	2.75	805.75	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
73	38.90	38.74	0.00992	71.5	0.00069	2.75	808.50	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
74	38.74	38.57	0.00992	71.5	0.00069	2.75	811.25	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
75	38.57	38.41	0.00992	71.5	0.00069	2.75	813.99	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
76	38.41	38.24	0.00992	71.5	0.00069	2.75	816.74	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
77	38.24	38.08	0.00992	71.5	0.00069	2.75	819.48	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
78	38.08	37.91	0.00992	71.5	0.00069	2.75	822.23	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
79	37.91	37.75	0.00992	71.5	0.00069	2.75	824.97	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
80	37.75	37.59	0.00992	71.5	0.00069	2.75	827.72	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
81	37.59	37.42	0.00992	71.5	0.00069	2.75	830.46	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
82	37.42	37.26	0.00992	71.5	0.00069	2.75	833.21	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
83	37.26	37.09	0.00992	71.5	0.00069	2.75	835.95	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
84	37.09	36.93	0.00992	71.5	0.00069	2.75	838.70	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
85	36.93	36.76	0.00992	71.5	0.00069	2.75	841.44	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
86	36.76	36.60	0.00992	71.5	0.00069	2.75	844.19	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
87	36.60	36.44	0.00992	71.5	0.00069	2.75	846.93	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
88	36.44	36.27	0.00992	71.5	0.00069	2.75	849.68	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
89	36.27	36.11	0.00992	71.5	0.00069	2.75	852.43	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
90	36.11	35.94	0.00992	71.5	0.00069	2.75	855.17	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
91	35.94	35.78	0.00992	71.5	0.00069	2.75	857.92	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
92	35.78	35.62	0.00992	71.5	0.00069	2.75	860.66	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
93	35.62	35.45	0.00992	71.5	0.00069	2.75	863.41	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
94	35.45	35.29	0.00992	71.5	0.00069	2.75	866.15	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
95	35.29	35.12	0.00992	71.5	0.00069	2.75	868.90	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
96	35.12	34.96	0.00992	71.5	0.00069	2.75	871.64	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001
97	34.96	34.79	0.00992	71.5	0.00069	2.75	874.39	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001

98	34.79	34.63	0.00992	71.5	0.00069	2.75	877.13	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.000	0.001									
TOT						140.18				117649.32	186449.16														
AVG					0.0007			0.63	22.71			14.33													

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
49	42.676	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
50	42.512	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
51	42.347	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
52	42.183	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
53	42.019	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
54	41.855	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
55	41.691	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
56	41.526	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
57	41.362	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
58	41.198	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
59	41.034	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
60	40.870	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
61	40.705	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
62	40.541	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
63	40.377	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
64	40.213	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
65	40.049	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
66	39.884	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
67	39.720	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
68	39.556	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
69	39.392	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
70	39.228	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
71	39.063	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
72	38.899	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
73	38.735	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
74	38.571	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
75	38.407	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
76	38.242	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
77	38.078	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
78	37.914	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
79	37.750	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
80	37.586	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
81	37.421	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
82	37.257	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
83	37.093	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
84	36.929	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
85	36.765	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
86	36.600	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
87	36.436	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
88	36.272	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00

89	36.108	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
90	35.944	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
91	35.779	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
92	35.615	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
93	35.451	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
94	35.287	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
95	35.123	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
96	34.958	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
97	34.794	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
98	34.630	7.78	1.30	0.15	0.06	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.11	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.14			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
49	42.676	28.34	0.00	1.00	0.00	3.08	9.68	0.00	11.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
50	42.512	28.34	0.00	1.00	0.00	2.94	8.57	0.00	10.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
51	42.347	28.34	0.00	1.00	0.00	2.97	7.88	0.00	9.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
52	42.183	28.34	0.00	1.00	0.00	3.02	7.46	0.00	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
53	42.019	28.34	0.00	1.00	0.00	3.05	7.20	0.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
54	41.855	28.34	0.00	1.00	0.00	3.08	7.04	0.00	8.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
55	41.691	28.34	0.00	1.00	0.00	3.09	6.94	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
56	41.526	28.34	0.00	1.00	0.00	3.10	6.88	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
57	41.362	28.34	0.00	1.00	0.00	3.10	6.84	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
58	41.198	28.34	0.00	1.00	0.00	3.11	6.81	0.00	8.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
59	41.034	28.34	0.00	1.00	0.00	3.11	6.80	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
60	40.870	28.34	0.00	1.00	0.00	3.11	6.79	0.00	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
61	40.705	28.34	0.00	1.00	0.00	3.11	6.79	0.00	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
62	40.541	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
63	40.377	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
64	40.213	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
65	40.049	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
66	39.884	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
67	39.720	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
68	39.556	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
69	39.392	28.34	0.00	1.00	0.00	2.73	10.79	0.00	12.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
70	39.228	28.34	0.00	1.00	0.00	2.80	9.30	0.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
71	39.063	28.34	0.00	1.00	0.00	2.90	8.36	0.00	9.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
72	38.899	28.34	0.00	1.00	0.00	2.97	7.78	0.00	9.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
73	38.735	28.34	0.00	1.00	0.00	3.02	7.41	0.00	8.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
74	38.571	28.34	0.00	1.00	0.00	3.06	7.17	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
75	38.407	28.34	0.00	1.00	0.00	3.08	7.03	0.00	8.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
76	38.242	28.34	0.00	1.00	0.00	3.09	6.93	0.00	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
77	38.078	28.34	0.00	1.00	0.00	3.10	6.88	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
78	37.914	28.34	0.00	1.00	0.00	3.10	6.84	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
79	37.750	28.34	0.00	1.00	0.00	3.11	6.82	0.00	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

80	37.586	28.34	0.00	1.00	0.00	3.11	6.80	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
81	37.421	28.34	0.00	1.00	0.00	3.11	6.79	0.00	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
82	37.257	28.34	0.00	1.00	0.00	3.11	6.79	0.00	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
83	37.093	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
84	36.929	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
85	36.765	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
86	36.600	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
87	36.436	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
88	36.272	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
89	36.108	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
90	35.944	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
91	35.779	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
92	35.615	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
93	35.451	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
94	35.287	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
95	35.123	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
96	34.958	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
97	34.794	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
98	34.630	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
49	42.676	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
50	42.512	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
51	42.347	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
52	42.183	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
53	42.019	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
54	41.855	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
55	41.691	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
56	41.526	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
57	41.362	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
58	41.198	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
59	41.034	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
60	40.870	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
61	40.705	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
62	40.541	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
63	40.377	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
64	40.213	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
65	40.049	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
66	39.884	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
67	39.720	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
68	39.556	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
69	39.392	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
70	39.228	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
71	39.063	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
72	38.899	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
73	38.735	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

74	38.571	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
75	38.407	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
76	38.242	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
77	38.078	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
78	37.914	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
79	37.750	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
80	37.586	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
81	37.421	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
82	37.257	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
83	37.093	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
84	36.929	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
85	36.765	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
86	36.600	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
87	36.436	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
88	36.272	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
89	36.108	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
90	35.944	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
91	35.779	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
92	35.615	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
93	35.451	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
94	35.287	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
95	35.123	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
96	34.958	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
97	34.794	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
98	34.630	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 9 BGT 4-BGT 5

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
99	UPR RCH	0.00992	28.34	0.00	1.00	0.00	3.11	6.78	0.00	8.28	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
111	WSTLD	0.00822	0.00	0.00	0.00	0.00	2.00	44.50	0.00	44.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	WSTLD	0.00085	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
99	34.63	34.44	0.00992	71.5	0.00037	6.01	883.14	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000

100	34.44	34.24	0.00992	71.5	0.00037	6.01	889.15	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
101	34.24	34.05	0.00992	71.5	0.00037	6.01	895.16	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
102	34.05	33.86	0.00992	71.5	0.00037	6.01	901.16	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
103	33.86	33.66	0.00992	71.5	0.00037	6.01	907.17	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
104	33.66	33.47	0.00992	71.5	0.00037	6.01	913.18	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
105	33.47	33.27	0.00992	71.5	0.00037	6.01	919.19	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
106	33.27	33.08	0.00992	71.5	0.00037	6.01	925.19	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
107	33.08	32.89	0.00992	71.5	0.00037	6.01	931.20	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
108	32.89	32.69	0.00992	71.5	0.00037	6.01	937.21	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
109	32.69	32.50	0.00992	71.5	0.00037	6.01	943.22	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
110	32.50	32.31	0.00992	71.5	0.00037	6.01	949.23	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.000	0.000
111	32.31	32.11	0.01814	84.4	0.00068	3.29	952.51	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
112	32.11	31.92	0.01814	84.4	0.00068	3.29	955.80	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
113	31.92	31.73	0.01814	84.4	0.00068	3.29	959.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
114	31.73	31.53	0.01814	84.4	0.00068	3.29	962.37	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
115	31.53	31.34	0.01814	84.4	0.00068	3.29	965.65	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
116	31.34	31.15	0.01814	84.4	0.00068	3.29	968.94	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
117	31.15	30.95	0.01814	84.4	0.00068	3.29	972.22	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
118	30.95	30.76	0.01814	84.4	0.00068	3.29	975.51	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
119	30.76	30.56	0.01814	84.4	0.00068	3.29	978.79	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
120	30.56	30.37	0.01814	84.4	0.00068	3.29	982.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
121	30.37	30.18	0.01814	84.4	0.00068	3.29	985.36	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
122	30.18	29.98	0.01814	84.4	0.00068	3.29	988.65	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
123	29.98	29.79	0.01814	84.4	0.00068	3.29	991.93	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
124	29.79	29.60	0.01814	84.4	0.00068	3.29	995.22	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
125	29.60	29.40	0.01814	84.4	0.00068	3.29	998.51	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
126	29.40	29.21	0.01814	84.4	0.00068	3.29	1001.79	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
127	29.21	29.02	0.01814	84.4	0.00068	3.29	1005.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
128	29.02	28.82	0.01814	84.4	0.00068	3.29	1008.36	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
129	28.82	28.63	0.01814	84.4	0.00068	3.29	1011.65	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
130	28.63	28.43	0.01899	85.1	0.00071	3.14	1014.78	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
131	28.43	28.24	0.01899	85.1	0.00071	3.14	1017.92	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
132	28.24	28.05	0.01899	85.1	0.00071	3.14	1021.06	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
133	28.05	27.85	0.01899	85.1	0.00071	3.14	1024.20	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
134	27.85	27.66	0.01899	85.1	0.00071	3.14	1027.34	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
135	27.66	27.47	0.01899	85.1	0.00071	3.14	1030.48	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
136	27.47	27.27	0.01899	85.1	0.00071	3.14	1033.61	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
137	27.27	27.08	0.01899	85.1	0.00071	3.14	1036.75	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
138	27.08	26.89	0.01899	85.1	0.00071	3.14	1039.89	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
139	26.89	26.69	0.01899	85.1	0.00071	3.14	1043.03	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
140	26.69	26.50	0.01899	85.1	0.00071	3.14	1046.17	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
141	26.50	26.31	0.01899	85.1	0.00071	3.14	1049.31	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
142	26.31	26.11	0.01899	85.1	0.00071	3.14	1052.44	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
143	26.11	25.92	0.01899	85.1	0.00071	3.14	1055.58	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
144	25.92	25.72	0.01899	85.1	0.00071	3.14	1058.72	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
145	25.72	25.53	0.01899	85.1	0.00071	3.14	1061.86	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
146	25.53	25.34	0.01899	85.1	0.00071	3.14	1065.00	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
147	25.34	25.14	0.01899	85.1	0.00071	3.14	1068.14	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
148	25.14	24.95	0.01899	85.1	0.00071	3.14	1071.27	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.001	0.001
TOT						194.14				257454.88	200666.41					
AVG					0.0006			1.28	20.73			26.60				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
99	34.436	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
100	34.243	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
101	34.049	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
102	33.856	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
103	33.662	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
104	33.468	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
105	33.275	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
106	33.081	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
107	32.888	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
108	32.694	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
109	32.500	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
110	32.307	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
111	32.113	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
112	31.920	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
113	31.726	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
114	31.532	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
115	31.339	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
116	31.145	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
117	30.952	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
118	30.758	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
119	30.564	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
120	30.371	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
121	30.177	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
122	29.984	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
123	29.790	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
124	29.596	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
125	29.403	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
126	29.209	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
127	29.016	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
128	28.822	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
129	28.628	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
130	28.435	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
131	28.241	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
132	28.048	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
133	27.854	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
134	27.660	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
135	27.467	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
136	27.273	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
137	27.080	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
138	26.886	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
139	26.692	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
140	26.499	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
141	26.305	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
142	26.112	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00

143	25.918	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
144	25.724	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
145	25.531	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
146	25.337	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
147	25.144	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
148	24.950	7.78	0.64	0.16	0.06	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.55	0.11	0.05	0.00	0.00	0.00	0.00	0.00	1.43			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
99	34.436	28.34	0.00	1.00	0.00	4.07	6.81	0.00	8.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
100	34.243	28.34	0.00	1.00	0.00	4.27	6.82	0.00	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
101	34.049	28.34	0.00	1.00	0.00	4.31	6.82	0.00	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
102	33.856	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
103	33.662	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
104	33.468	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
105	33.275	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
106	33.081	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
107	32.888	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
108	32.694	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
109	32.500	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
110	32.307	28.34	0.00	1.00	0.00	4.31	6.85	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
111	32.113	28.34	0.00	1.00	0.00	2.34	16.78	0.00	18.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
112	31.920	28.34	0.00	1.00	0.00	2.72	12.65	0.00	14.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
113	31.726	28.34	0.00	1.00	0.00	3.24	10.23	0.00	11.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
114	31.532	28.34	0.00	1.00	0.00	3.64	8.82	0.00	10.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
115	31.339	28.34	0.00	1.00	0.00	3.91	7.99	0.00	9.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
116	31.145	28.34	0.00	1.00	0.00	4.07	7.51	0.00	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
117	30.952	28.34	0.00	1.00	0.00	4.17	7.23	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
118	30.758	28.34	0.00	1.00	0.00	4.23	7.06	0.00	8.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
119	30.564	28.34	0.00	1.00	0.00	4.27	6.96	0.00	8.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
120	30.371	28.34	0.00	1.00	0.00	4.29	6.91	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
121	30.177	28.34	0.00	1.00	0.00	4.30	6.87	0.00	8.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
122	29.984	28.34	0.00	1.00	0.00	4.31	6.85	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
123	29.790	28.34	0.00	1.00	0.00	4.31	6.84	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
124	29.596	28.34	0.00	1.00	0.00	4.31	6.84	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
125	29.403	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
126	29.209	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
127	29.016	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
128	28.822	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
129	28.628	28.34	0.00	1.00	0.00	4.32	6.84	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
130	28.435	28.34	0.00	1.00	0.00	3.74	10.20	0.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
131	28.241	28.34	0.00	1.00	0.00	3.80	8.84	0.00	10.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
132	28.048	28.34	0.00	1.00	0.00	3.95	8.02	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
133	27.854	28.34	0.00	1.00	0.00	4.08	7.54	0.00	9.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

134	27.660	28.34	0.00	1.00	0.00	4.17	7.25	0.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
135	27.467	28.34	0.00	1.00	0.00	4.23	7.08	0.00	8.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
136	27.273	28.34	0.00	1.00	0.00	4.26	6.98	0.00	8.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
137	27.080	28.34	0.00	1.00	0.00	4.29	6.92	0.00	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
138	26.886	28.34	0.00	1.00	0.00	4.30	6.88	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
139	26.692	28.34	0.00	1.00	0.00	4.31	6.86	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
140	26.499	28.34	0.00	1.00	0.00	4.31	6.85	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
141	26.305	28.34	0.00	1.00	0.00	4.31	6.84	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
142	26.112	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
143	25.918	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
144	25.724	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
145	25.531	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
146	25.337	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
147	25.144	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
148	24.950	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
99	34.436	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
100	34.243	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
101	34.049	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
102	33.856	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
103	33.662	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
104	33.468	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
105	33.275	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
106	33.081	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
107	32.888	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
108	32.694	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
109	32.500	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
110	32.307	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
111	32.113	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
112	31.920	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
113	31.726	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
114	31.532	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
115	31.339	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
116	31.145	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
117	30.952	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
118	30.758	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
119	30.564	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
120	30.371	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
121	30.177	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
122	29.984	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
123	29.790	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
124	29.596	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
125	29.403	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
126	29.209	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
127	29.016	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

128	28.822	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
129	28.628	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
130	28.435	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
131	28.241	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
132	28.048	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
133	27.854	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
134	27.660	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
135	27.467	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
136	27.273	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
137	27.080	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
138	26.886	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
139	26.692	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
140	26.499	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
141	26.305	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
142	26.112	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
143	25.918	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
144	25.724	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
145	25.531	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
146	25.337	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
147	25.144	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
148	24.950	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 10 BGT 5-BGT 6

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
149	UPR RCH	0.01899	28.34	0.00	1.00	0.00	4.32	6.83	0.00	8.33	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
163	WSTLD	0.00067	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	WSTLD	0.00006	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
149	24.95	24.73	0.01899	85.1	0.00062	4.15	1075.42	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
150	24.73	24.51	0.01899	85.1	0.00062	4.15	1079.57	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
151	24.51	24.29	0.01899	85.1	0.00062	4.15	1083.72	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
152	24.29	24.07	0.01899	85.1	0.00062	4.15	1087.87	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
153	24.07	23.84	0.01899	85.1	0.00062	4.15	1092.02	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001

154	23.84	23.62	0.01899	85.1	0.00062	4.15	1096.17	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
155	23.62	23.40	0.01899	85.1	0.00062	4.15	1100.32	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
156	23.40	23.18	0.01899	85.1	0.00062	4.15	1104.46	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
157	23.18	22.96	0.01899	85.1	0.00062	4.15	1108.61	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
158	22.96	22.74	0.01899	85.1	0.00062	4.15	1112.76	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
159	22.74	22.52	0.01899	85.1	0.00062	4.15	1116.91	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
160	22.52	22.30	0.01899	85.1	0.00062	4.15	1121.06	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
161	22.30	22.08	0.01899	85.1	0.00062	4.15	1125.21	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
162	22.08	21.86	0.01899	85.1	0.00062	4.15	1129.36	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
163	21.86	21.63	0.01966	85.6	0.00064	4.01	1133.36	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
164	21.63	21.41	0.01966	85.6	0.00064	4.01	1137.37	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
165	21.41	21.19	0.01966	85.6	0.00064	4.01	1141.38	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
166	21.19	20.97	0.01966	85.6	0.00064	4.01	1145.38	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
167	20.97	20.75	0.01972	85.6	0.00064	4.00	1149.38	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
168	20.75	20.53	0.01972	85.6	0.00064	4.00	1153.37	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
169	20.53	20.31	0.01972	85.6	0.00064	4.00	1157.37	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
170	20.31	20.09	0.01972	85.6	0.00064	4.00	1161.36	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
171	20.09	19.87	0.01972	85.6	0.00064	4.00	1165.36	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
172	19.87	19.65	0.01972	85.6	0.00064	4.00	1169.35	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
173	19.65	19.42	0.01972	85.6	0.00064	4.00	1173.35	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
174	19.42	19.20	0.01972	85.6	0.00064	4.00	1177.34	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
175	19.20	18.98	0.01972	85.6	0.00064	4.00	1181.34	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
176	18.98	18.76	0.01972	85.6	0.00064	4.00	1185.33	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
177	18.76	18.54	0.01972	85.6	0.00064	4.00	1189.33	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
178	18.54	18.32	0.01972	85.6	0.00064	4.00	1193.32	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
179	18.32	18.10	0.01972	85.6	0.00064	4.00	1197.32	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
180	18.10	17.88	0.01972	85.6	0.00064	4.00	1201.31	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
181	17.88	17.66	0.01972	85.6	0.00064	4.00	1205.31	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
182	17.66	17.44	0.01972	85.6	0.00064	4.00	1209.30	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
183	17.44	17.21	0.01972	85.6	0.00064	4.00	1213.30	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
184	17.21	16.99	0.01972	85.6	0.00064	4.00	1217.29	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
185	16.99	16.77	0.01972	85.6	0.00064	4.00	1221.29	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
186	16.77	16.55	0.01972	85.6	0.00064	4.00	1225.28	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
187	16.55	16.33	0.01972	85.6	0.00064	4.00	1229.28	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
188	16.33	16.11	0.01972	85.6	0.00064	4.00	1233.27	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
189	16.11	15.89	0.01972	85.6	0.00064	4.00	1237.27	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
190	15.89	15.67	0.01972	85.6	0.00064	4.00	1241.26	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
191	15.67	15.45	0.01972	85.6	0.00064	4.00	1245.26	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
192	15.45	15.23	0.01972	85.6	0.00064	4.00	1249.25	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
193	15.23	15.00	0.01972	85.6	0.00064	4.00	1253.25	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
194	15.00	14.78	0.01972	85.6	0.00064	4.00	1257.24	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
195	14.78	14.56	0.01972	85.6	0.00064	4.00	1261.24	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
196	14.56	14.34	0.01972	85.6	0.00064	4.00	1265.23	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
197	14.34	14.12	0.01972	85.6	0.00064	4.00	1269.23	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
198	14.12	13.90	0.01972	85.6	0.00064	4.00	1273.22	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.001	0.001
TOT						201.95				340340.06	243100.00					
AVG					0.0006			1.40	22.00			30.80				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
149	24.729	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
150	24.508	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
151	24.287	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
152	24.066	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
153	23.845	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
154	23.624	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
155	23.403	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
156	23.182	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
157	22.961	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
158	22.740	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
159	22.519	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
160	22.298	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
161	22.077	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
162	21.856	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
163	21.635	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
164	21.414	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
165	21.193	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
166	20.972	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
167	20.751	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
168	20.530	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
169	20.309	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
170	20.088	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
171	19.867	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
172	19.646	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
173	19.425	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
174	19.204	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
175	18.983	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
176	18.762	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
177	18.541	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
178	18.320	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
179	18.099	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
180	17.878	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
181	17.657	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
182	17.436	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
183	17.215	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
184	16.994	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
185	16.773	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
186	16.552	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
187	16.331	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
188	16.110	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
189	15.889	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
190	15.668	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
191	15.447	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
192	15.226	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
193	15.005	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
194	14.784	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
195	14.563	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
196	14.342	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00

197	14.121	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
198	13.900	7.78	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.50	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.83			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
149	24.729	28.34	0.00	1.00	0.00	5.03	8.03	0.00	9.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
150	24.508	28.34	0.00	1.00	0.00	5.12	8.68	0.00	10.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
151	24.287	28.34	0.00	1.00	0.00	5.09	9.03	0.00	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
152	24.066	28.34	0.00	1.00	0.00	5.05	9.22	0.00	10.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
153	23.845	28.34	0.00	1.00	0.00	5.02	9.32	0.00	10.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
154	23.624	28.34	0.00	1.00	0.00	5.00	9.37	0.00	10.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
155	23.403	28.34	0.00	1.00	0.00	4.99	9.40	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
156	23.182	28.34	0.00	1.00	0.00	4.98	9.42	0.00	10.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
157	22.961	28.34	0.00	1.00	0.00	4.98	9.43	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
158	22.740	28.34	0.00	1.00	0.00	4.97	9.43	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
159	22.519	28.34	0.00	1.00	0.00	4.97	9.43	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
160	22.298	28.34	0.00	1.00	0.00	4.97	9.43	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
161	22.077	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
162	21.856	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
163	21.635	28.34	0.00	1.00	0.00	4.54	11.75	0.00	13.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
164	21.414	28.34	0.00	1.00	0.00	4.62	10.70	0.00	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
165	21.193	28.34	0.00	1.00	0.00	4.75	10.13	0.00	11.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
166	20.972	28.34	0.00	1.00	0.00	4.84	9.82	0.00	11.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
167	20.751	28.34	0.00	1.00	0.00	4.86	9.85	0.00	11.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
168	20.530	28.34	0.00	1.00	0.00	4.90	9.66	0.00	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
169	20.309	28.34	0.00	1.00	0.00	4.93	9.56	0.00	11.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
170	20.088	28.34	0.00	1.00	0.00	4.95	9.50	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
171	19.867	28.34	0.00	1.00	0.00	4.96	9.47	0.00	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
172	19.646	28.34	0.00	1.00	0.00	4.97	9.46	0.00	10.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
173	19.425	28.34	0.00	1.00	0.00	4.97	9.45	0.00	10.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
174	19.204	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
175	18.983	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
176	18.762	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
177	18.541	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
178	18.320	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
179	18.099	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
180	17.878	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
181	17.657	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
182	17.436	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
183	17.215	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
184	16.994	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
185	16.773	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
186	16.552	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
187	16.331	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

188	16.110	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
189	15.889	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
190	15.668	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
191	15.447	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
192	15.226	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
193	15.005	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
194	14.784	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
195	14.563	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
196	14.342	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
197	14.121	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
198	13.900	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
149	24.729	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
150	24.508	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
151	24.287	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
152	24.066	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
153	23.845	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
154	23.624	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
155	23.403	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
156	23.182	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
157	22.961	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
158	22.740	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
159	22.519	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
160	22.298	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
161	22.077	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
162	21.856	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
163	21.635	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
164	21.414	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
165	21.193	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
166	20.972	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
167	20.751	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
168	20.530	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
169	20.309	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
170	20.088	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
171	19.867	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
172	19.646	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
173	19.425	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
174	19.204	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
175	18.983	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
176	18.762	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
177	18.541	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
178	18.320	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
179	18.099	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
180	17.878	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
181	17.657	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

182	17.436	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
183	17.215	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
184	16.994	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
185	16.773	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
186	16.552	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
187	16.331	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
188	16.110	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
189	15.889	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
190	15.668	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
191	15.447	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
192	15.226	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
193	15.005	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
194	14.784	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
195	14.563	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
196	14.342	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
197	14.121	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
198	13.900	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 11 BGT 6-GRAND BAYOU

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
199	UPR RCH	0.01972	28.34	0.00	1.00	0.00	4.97	9.44	0.00	10.94	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
199	13.90	13.68	0.01972	85.6	0.00055	4.69	1277.91	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
200	13.68	13.46	0.01972	85.6	0.00055	4.69	1282.60	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
201	13.46	13.23	0.01972	85.6	0.00055	4.69	1287.29	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
202	13.23	13.01	0.01972	85.6	0.00055	4.69	1291.98	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
203	13.01	12.79	0.01972	85.6	0.00055	4.69	1296.67	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
204	12.79	12.57	0.01972	85.6	0.00055	4.69	1301.36	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
205	12.57	12.35	0.01972	85.6	0.00055	4.69	1306.05	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
206	12.35	12.12	0.01972	85.6	0.00055	4.69	1310.74	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
207	12.12	11.90	0.01972	85.6	0.00055	4.69	1315.43	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001
208	11.90	11.68	0.01972	85.6	0.00055	4.69	1320.12	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.001	0.001

TOT		46.89			79899.22	51415.20	
AVG	0.0005		1.55	23.16			35.99

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
199	13.678	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
200	13.456	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
201	13.234	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
202	13.012	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
203	12.790	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
204	12.568	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
205	12.346	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
206	12.124	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
207	11.902	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
208	11.680	7.78	0.53	0.14	0.06	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	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m^2	COLI #/100mL	NCM
199	13.678	28.34	0.00	1.00	0.00	4.93	9.85	0.00	11.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
200	13.456	28.34	0.00	1.00	0.00	4.88	10.06	0.00	11.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
201	13.234	28.34	0.00	1.00	0.00	4.84	10.17	0.00	11.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
202	13.012	28.34	0.00	1.00	0.00	4.82	10.23	0.00	11.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
203	12.790	28.34	0.00	1.00	0.00	4.81	10.26	0.00	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
204	12.568	28.34	0.00	1.00	0.00	4.81	10.27	0.00	11.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
205	12.346	28.34	0.00	1.00	0.00	4.80	10.28	0.00	11.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
206	12.124	28.34	0.00	1.00	0.00	4.80	10.29	0.00	11.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
207	11.902	28.34	0.00	1.00	0.00	4.80	10.29	0.00	11.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
208	11.680	28.34	0.00	1.00	0.00	4.80	10.29	0.00	11.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

************************************** PHYTOPLANKTON AND PERIPHYTON DATA **************************************

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m^2
199	13.678	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
200	13.456	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
201	13.234	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

202	13.012	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
203	12.790	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
204	12.568	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
205	12.346	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
206	12.124	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
207	11.902	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
208	11.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow — LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 12 GRAND BAYOU-CATFISH CANAL — Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
209	UPR RCH	0.01972	28.34	0.00	1.00	0.00	4.80	10.29	0.00	11.79	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
209	WSTLD	0.00283	28.34	0.00	0.00	0.00	7.00	12.04	0.00	12.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
209	11.68	11.43	0.02255	87.5	0.00049	5.96	1326.08	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
210	11.43	11.18	0.02255	87.5	0.00049	5.96	1332.03	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
211	11.18	10.93	0.02255	87.5	0.00049	5.96	1337.99	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
212	10.93	10.68	0.02255	87.5	0.00049	5.96	1343.94	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
213	10.68	10.43	0.02255	87.5	0.00049	5.96	1349.90	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
214	10.43	10.18	0.02255	87.5	0.00049	5.96	1355.86	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
215	10.18	9.93	0.02255	87.5	0.00049	5.96	1361.81	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
216	9.93	9.68	0.02255	87.5	0.00049	5.96	1367.77	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
217	9.68	9.43	0.02255	87.5	0.00049	5.96	1373.72	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
218	9.43	9.18	0.02255	87.5	0.00049	5.96	1379.68	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
219	9.18	8.93	0.02255	87.5	0.00049	5.96	1385.64	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
220	8.93	8.68	0.02255	87.5	0.00049	5.96	1391.59	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
221	8.68	8.43	0.02255	87.5	0.00049	5.96	1397.55	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
222	8.43	8.18	0.02255	87.5	0.00049	5.96	1403.51	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
223	8.18	7.93	0.02255	87.5	0.00049	5.96	1409.46	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.000	0.000
TOT						89.34				174067.42	112012.50					
AVG					0.0005			1.55	29.87			46.42				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
209	11.430	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
210	11.180	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
211	10.930	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
212	10.680	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
213	10.430	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
214	10.180	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
215	9.930	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
216	9.680	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
217	9.430	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
218	9.180	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
219	8.930	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
220	8.680	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
221	8.430	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
222	8.180	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
223	7.930	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	0.00	1.01			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
209	11.430	28.34	0.00	1.00	0.00	5.01	8.36	0.00	9.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
210	11.180	28.34	0.00	1.00	0.00	5.19	7.37	0.00	8.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
211	10.930	28.34	0.00	1.00	0.00	5.32	6.90	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
212	10.680	28.34	0.00	1.00	0.00	5.39	6.69	0.00	8.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
213	10.430	28.34	0.00	1.00	0.00	5.43	6.58	0.00	8.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
214	10.180	28.34	0.00	1.00	0.00	5.45	6.54	0.00	8.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
215	9.930	28.34	0.00	1.00	0.00	5.46	6.52	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
216	9.680	28.34	0.00	1.00	0.00	5.46	6.51	0.00	8.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
217	9.430	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
218	9.180	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
219	8.930	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
220	8.680	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
221	8.430	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
222	8.180	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
223	7.930	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM	ENDING	BANK	SECCHI	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI

NO.	DIST	SHADE	DEPTH	N	LIT	N	P	N&P	TOT	GROW	RESP	DEATH	SETT	P/R	PHYTO	N	LIT	N	P	N&P	SPC	TOT	GROW	RESP	DEATH	P/R	PERIP
		frac	m	PREF	LIM	LIM	LIM	LIM	LIM	1/da	1/da	1/da	1/da	RATIO	µg/L	PREF	LIM	LIM	LIM	LIM	LIM	LIM	1/da	1/da	1/da	RATIO	g/m²
209	11.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
210	11.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
211	10.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
212	10.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
213	10.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
214	10.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
215	9.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
216	9.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
217	9.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
218	9.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
219	8.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
220	8.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
221	8.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
222	8.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
223	7.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 13 CATFISH CANAL-ICWW DIVERSION

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP	SALN	CM-1	CM-2	DO	BOD1	BOD2	EBOD1	EBOD2	ORG-N	NH3-N	NO3-N	PO4-P	CHL A	COLI	NCM
			deg C	ppt	MG/L	MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	#/100mL	
224	UPR RCH	0.02255	28.34	0.00	1.00	0.00	5.46	6.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
224	WSTLD	0.00283	28.34	0.00	0.00	0.00	7.00	15.39	0.00	15.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST	ENDING DIST	FLOW	PCT EFF	ADVCTV VELO	TRAVEL TIME	CUM TIME	DEPTH	WIDTH	VOLUME	SURFACE AREA	X-SECT AREA	TIDAL PRISM	TIDAL VELO	DISPRSN	MEAN VELO
	km	km	m³/s		m/s	days	days	m	m	m³	m²	m²	m³	m/s	m²/s	m/s
224	7.93	7.73	0.02538	88.8	0.00055	4.16	1413.62	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
225	7.73	7.54	0.02538	88.8	0.00055	4.16	1417.78	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
226	7.54	7.34	0.02538	88.8	0.00055	4.16	1421.93	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
227	7.34	7.14	0.02538	88.8	0.00055	4.16	1426.09	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
228	7.14	6.95	0.02538	88.8	0.00055	4.16	1430.25	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
229	6.95	6.75	0.02538	88.8	0.00055	4.16	1434.41	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
230	6.75	6.56	0.02538	88.8	0.00055	4.16	1438.56	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
231	6.56	6.36	0.02538	88.8	0.00055	4.16	1442.72	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
232	6.36	6.16	0.02538	88.8	0.00055	4.16	1446.88	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001

233	6.16	5.97	0.02538	88.8	0.00055	4.16	1451.04	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
234	5.97	5.77	0.02538	88.8	0.00055	4.16	1455.19	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
235	5.77	5.57	0.02538	88.8	0.00055	4.16	1459.35	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
236	5.57	5.38	0.02538	88.8	0.00055	4.16	1463.51	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
237	5.38	5.18	0.02538	88.8	0.00055	4.16	1467.66	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
238	5.18	4.98	0.02538	88.8	0.00055	4.16	1471.82	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
239	4.98	4.79	0.02538	88.8	0.00055	4.16	1475.98	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
240	4.79	4.59	0.02538	88.8	0.00055	4.16	1480.14	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
241	4.59	4.39	0.02538	88.8	0.00055	4.16	1484.29	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
242	4.39	4.20	0.02538	88.8	0.00055	4.16	1488.45	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
243	4.20	4.00	0.02538	88.8	0.00055	4.16	1492.61	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
244	4.00	3.81	0.02538	88.8	0.00055	4.16	1496.77	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
245	3.81	3.61	0.02538	88.8	0.00055	4.16	1500.92	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
246	3.61	3.41	0.02538	88.8	0.00055	4.16	1505.08	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
247	3.41	3.22	0.02538	88.8	0.00055	4.16	1509.24	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
248	3.22	3.02	0.02538	88.8	0.00055	4.16	1513.40	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.001	0.001
TOT						103.94				227912.38	146661.70					
AVG					0.0005			1.55	29.87			46.42				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
224	7.734	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
225	7.537	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
226	7.341	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
227	7.144	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
228	6.948	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
229	6.752	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
230	6.555	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
231	6.359	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
232	6.162	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
233	5.966	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
234	5.770	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
235	5.573	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
236	5.377	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
237	5.180	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
238	4.984	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
239	4.788	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
240	4.591	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
241	4.395	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
242	4.198	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
243	4.002	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
244	3.806	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
245	3.609	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
246	3.413	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
247	3.216	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
248	3.020	7.78	0.53	0.13	0.06	0.00	0.00	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE	0.45	0.09	0.05	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	0.00		0.00	0.00	0.00			

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
224	7.734	28.34	0.00	1.00	0.00	5.38	7.12	0.00	8.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
225	7.537	28.34	0.00	1.00	0.00	5.34	6.91	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
226	7.341	28.34	0.00	1.00	0.00	5.34	6.79	0.00	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
227	7.144	28.34	0.00	1.00	0.00	5.35	6.73	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
228	6.948	28.34	0.00	1.00	0.00	5.36	6.69	0.00	8.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
229	6.752	28.34	0.00	1.00	0.00	5.37	6.67	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
230	6.555	28.34	0.00	1.00	0.00	5.37	6.66	0.00	8.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
231	6.359	28.34	0.00	1.00	0.00	5.38	6.65	0.00	8.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
232	6.162	28.34	0.00	1.00	0.00	5.38	6.65	0.00	8.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
233	5.966	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
234	5.770	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
235	5.573	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
236	5.377	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
237	5.180	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
238	4.984	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
239	4.788	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
240	4.591	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
241	4.395	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
242	4.198	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
243	4.002	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
244	3.806	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
245	3.609	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
246	3.413	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
247	3.216	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
248	3.020	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
224	7.734	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
225	7.537	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
226	7.341	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
227	7.144	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
228	6.948	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
229	6.752	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
230	6.555	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
231	6.359	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

232	6.162	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
233	5.966	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
234	5.770	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
235	5.573	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
236	5.377	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
237	5.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
238	4.984	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
239	4.788	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
240	4.591	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
241	4.395	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
242	4.198	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
243	4.002	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
244	3.806	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
245	3.609	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
246	3.413	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
247	3.216	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
248	3.020	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 14 ICWW DIVERSION-BGT 7

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
249	UPR RCH	0.02538	28.34	0.00	1.00	0.00	5.38	6.64	0.00	8.14	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
249	WSTLD	-0.02180	28.34	0.00	1.00	0.00	3.80	7.85	0.00	9.35	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
249	3.02	2.81	0.00358	88.8	0.00018	13.41	1526.80	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.000
250	2.81	2.60	0.00358	88.8	0.00018	13.41	1540.21	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.000
251	2.60	2.38	0.00358	88.8	0.00018	13.41	1553.62	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.000
252	2.38	2.17	0.00358	88.8	0.00018	13.41	1567.03	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.000
253	2.17	1.96	0.00358	88.8	0.00018	13.41	1580.44	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.000
TOT						67.05				20738.74	31662.20					
AVG					0.0002			0.65	29.87			19.56				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
249	2.808	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.66	3.66	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
250	2.596	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.66	3.66	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
251	2.384	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.66	3.66	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
252	2.172	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.66	3.66	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
253	1.960	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.66	3.66	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.07	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.16			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
249	2.808	28.34	0.00	1.00	0.00	3.80	7.85	0.00	9.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
250	2.596	28.34	0.00	1.00	0.00	2.93	10.32	0.00	11.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
251	2.384	28.34	0.00	1.00	0.00	2.82	11.03	0.00	12.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
252	2.172	28.34	0.00	1.00	0.00	2.79	11.24	0.00	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
253	1.960	28.34	0.00	1.00	0.00	2.78	11.30	0.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT N LIM	PHYT LIT LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI N LIM	PERI LIT LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
249	2.808	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
250	2.596	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
251	2.384	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
252	2.172	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
253	1.960	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 15 BGT 7-INTRACOASTAL WATERWAY Summer Projection Meeting DO Standard of 2.3 mg/L,

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
254	UPR RCH	0.00358	28.34	0.00	1.00	0.00	2.78	11.30	0.00	12.80	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
254	1.96	1.72	0.00358	88.8	0.00018	15.50	1595.94	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
255	1.72	1.47	0.00358	88.8	0.00018	15.50	1611.44	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
256	1.47	1.23	0.00358	88.8	0.00018	15.50	1626.93	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
257	1.23	0.98	0.00358	88.8	0.00018	15.50	1642.43	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
258	0.98	0.74	0.00358	88.8	0.00018	15.50	1657.93	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
259	0.74	0.49	0.00358	88.8	0.00018	15.50	1673.42	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
260	0.49	0.25	0.00358	88.8	0.00018	15.50	1688.92	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
261	0.25	0.00	0.00358	88.8	0.00018	15.50	1704.42	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.000
TOT						123.98				38347.11	58545.20					
AVG					0.0002			0.65	29.87			19.56				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
254	1.715	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
255	1.470	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
256	1.225	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
257	0.980	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
258	0.735	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
259	0.490	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
260	0.245	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
261	0.000	7.78	1.25	0.12	0.06	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.07	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.17			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
254	1.715	28.34	0.00	1.00	0.00	2.80	11.19	0.00	12.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
255	1.470	28.34	0.00	1.00	0.00	2.80	11.17	0.00	12.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

256	1.225	28.34	0.00	1.00	0.00	2.81	11.16	0.00	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
257	0.980	28.34	0.00	1.00	0.00	2.81	11.16	0.00	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
258	0.735	28.34	0.00	1.00	0.00	2.81	11.16	0.00	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
259	0.490	28.34	0.00	1.00	0.00	2.81	11.16	0.00	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
260	0.245	28.34	0.00	1.00	0.00	2.81	11.16	0.00	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
261	0.000	28.34	0.00	1.00	0.00	2.81	11.15	0.00	12.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
254	1.715	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
255	1.470	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
256	1.225	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
257	0.980	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
258	0.735	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
259	0.490	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
260	0.245	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
261	0.000	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

STREAM SUMMARY REPORT: False River Overflow

TRAVEL TIME	=	1704.42	DAYS	
MAXIMUM EFFLUENT	=	88.85	PERCENT	
FLOW	=	0.00283 TO	0.02538	m³/s
DISPERSION	=	0.0001 TO	0.0006	m²/s
VELOCITY	=	0.00011 TO	0.00071	m/s
DEPTH	=	0.63 TO	1.55	m
WIDTH	=	20.73 TO	37.80	m
BOD DECAY	=	0.12 TO	0.18	per day
NH3 DECAY	=	0.00 TO	0.00	per day
SOD	=	1.40 TO	3.92	g/m²/d
NH3 SED SOURCE	=	0.00 TO	0.00	g/m²/d
PO4 SED SOURCE	=	0.00 TO	0.00	g/m²/d
REAERATION	=	0.53 TO	1.30	per day
BOD SETTLING	=	0.06 TO	0.06	per day
ORG-N DECAY	=	0.00 TO	0.00	per day
ORG-N SETTLING	=	0.00 TO	0.00	per day

TEMPERATURE	=	28.34	TO	28.34	deg C
DISSOLVED OXYGEN	=	2.34	TO	5.46	mg/L

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Summer Projection Meeting DO Standard of 2.3 mg/L,

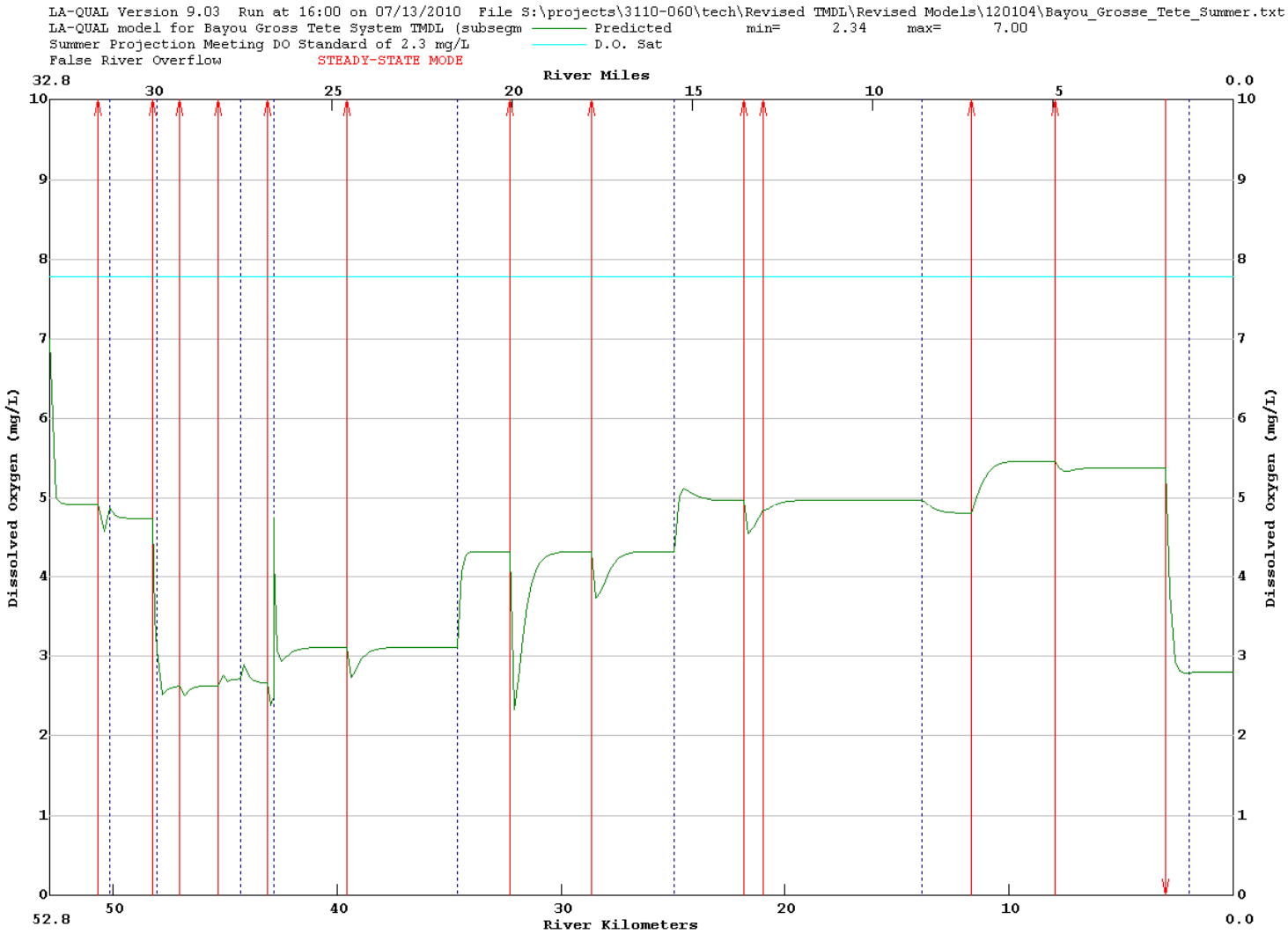
INPUT/OUTPUT LOADING SUMMARY

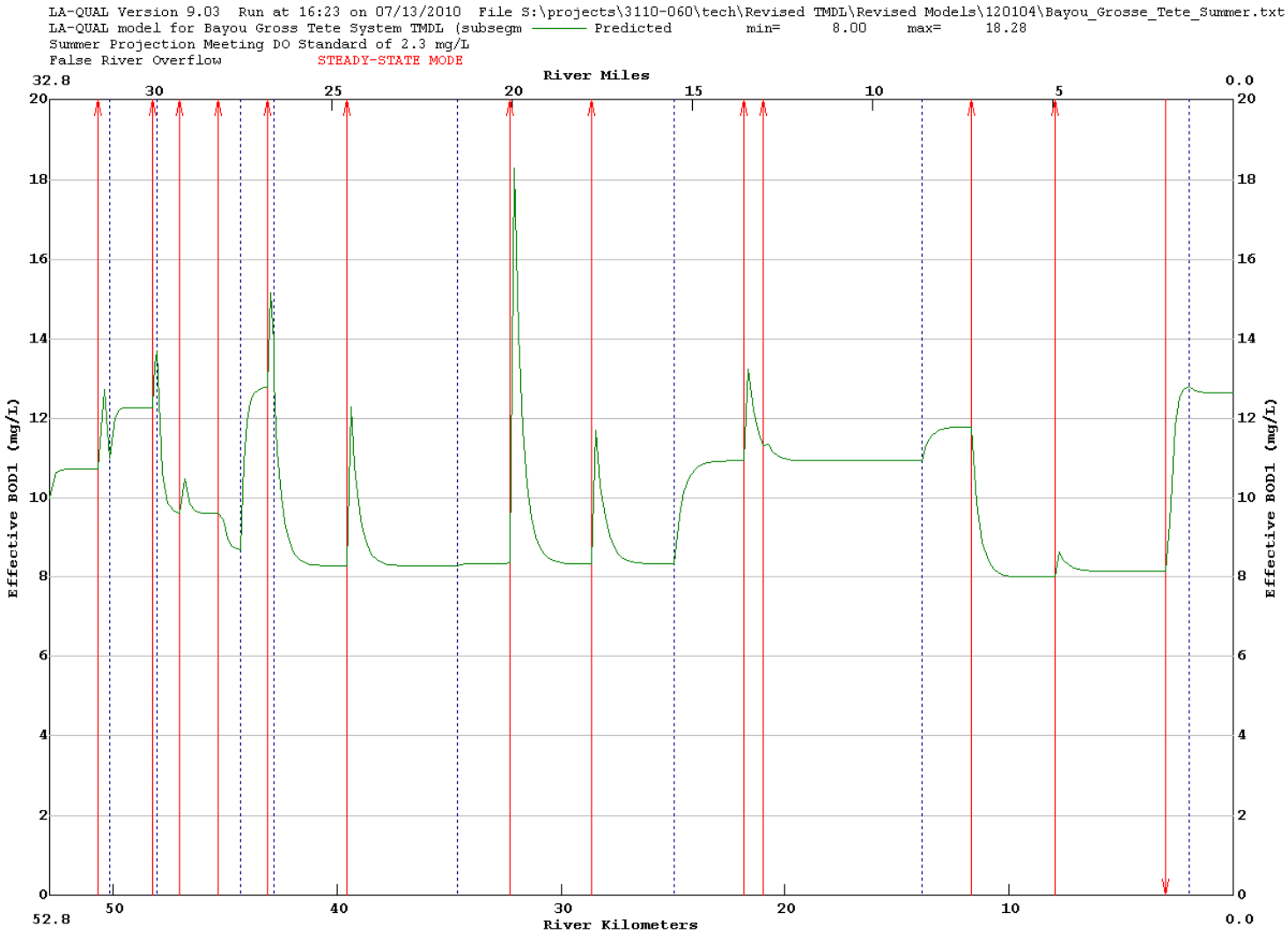
	FLOW m^3/s	DO kg/d	BOD1 kg/d	BOD2 kg/d	ORG-N kg/d	NH3-N kg/d	NO3-N kg/d	ORG-P kg/d	PO4-P kg/d	CHL A	PERIP	NCM
HEADWATER FLOW	0.00283	1.71	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
INCREMENTAL INFLOW	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
INCREMENTAL OUTFLOW	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
WASTELOADS	0.02255	8.79	78.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
WITHDRAWLS	-0.02180	-7.15	-14.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
FLOW THRU LOWER BNDRY	-0.00358	-0.87	-3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
DISPERSION THRU LOWER BNDRY		0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
DISPERSION THRU HDWTR BNDRY		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
NON-POINT INPUT		0.00	2575.96	0.00	0.00			0.00				0.00
NATURAL REAERATION		4066.73										
DAM REAERATION		1.84										
SOD BACKGROUND		-3351.75										
BOD1 DECAY		-1853.13	-1853.13									
BOD1 SETTLING		0.00	-785.39									
ANAEROBIC BOD1 DECAY			0.00									
BOD2 DECAY		0.00		0.00								
BOD2 SETTLING		0.00		0.00								
ANAEROBIC BOD2 DECAY				0.00								
BOD2 HYDROLYSIS			0.00	0.00								
ORG-N DECAY		0.00			0.00	0.00						
ORG-N SETTLING					0.00	0.00						
NH3-N DECAY (NITRIFICATION)		0.00				0.00	0.00					
NH3-N BACKGROUND SEDIMENT SOURCE						0.00						
DENITRIFICATION			0.00				0.00					
ORG-P HYDROLYSIS								0.00	0.00			
ORG-P SETTLING								0.00	0.00			
PO4-P BACKGROUND SEDIMENT SOURCE									0.00			
PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS		1133.83				0.00	0.00		0.00	0.00		
PHYTOPLANKTON RESPIRATION/EXCRETION		0.00				0.00			0.00	0.00		
PHYTOPLANKTON SETTLING		0.00				0.00			0.00	0.00		
PHYTOPLANKTON DEATH			0.00	0.00	0.00			0.00		0.00		
PERIPHYTON GROWTH/PHOTOSYNTHESIS		0.00				0.00	0.00		0.00		0.00	
PERIPHYTON RESPIRATION/EXCRETION		0.00				0.00			0.00		0.00	
PERIPHYTON DEATH			0.00	0.00	0.00			0.00			0.00	
NCM DECAY		0.00										0.00
NCM SETTLING		0.00										0.00
TOTAL INPUTS	0.02538	5212.90	2656.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL OUTPUTS	-0.02538	-5212.90	-2656.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

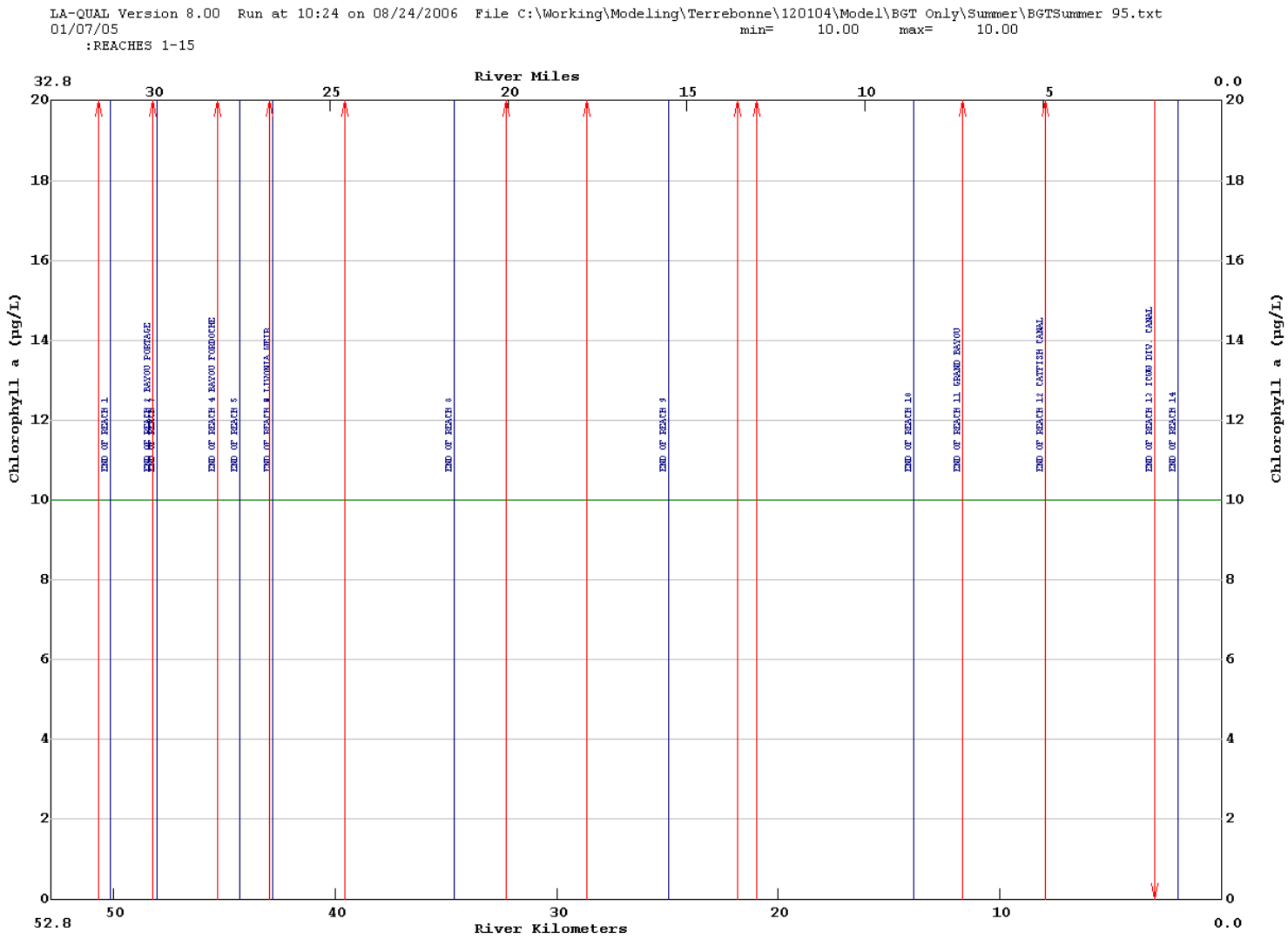
NET CONVERGENCE ERROR	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

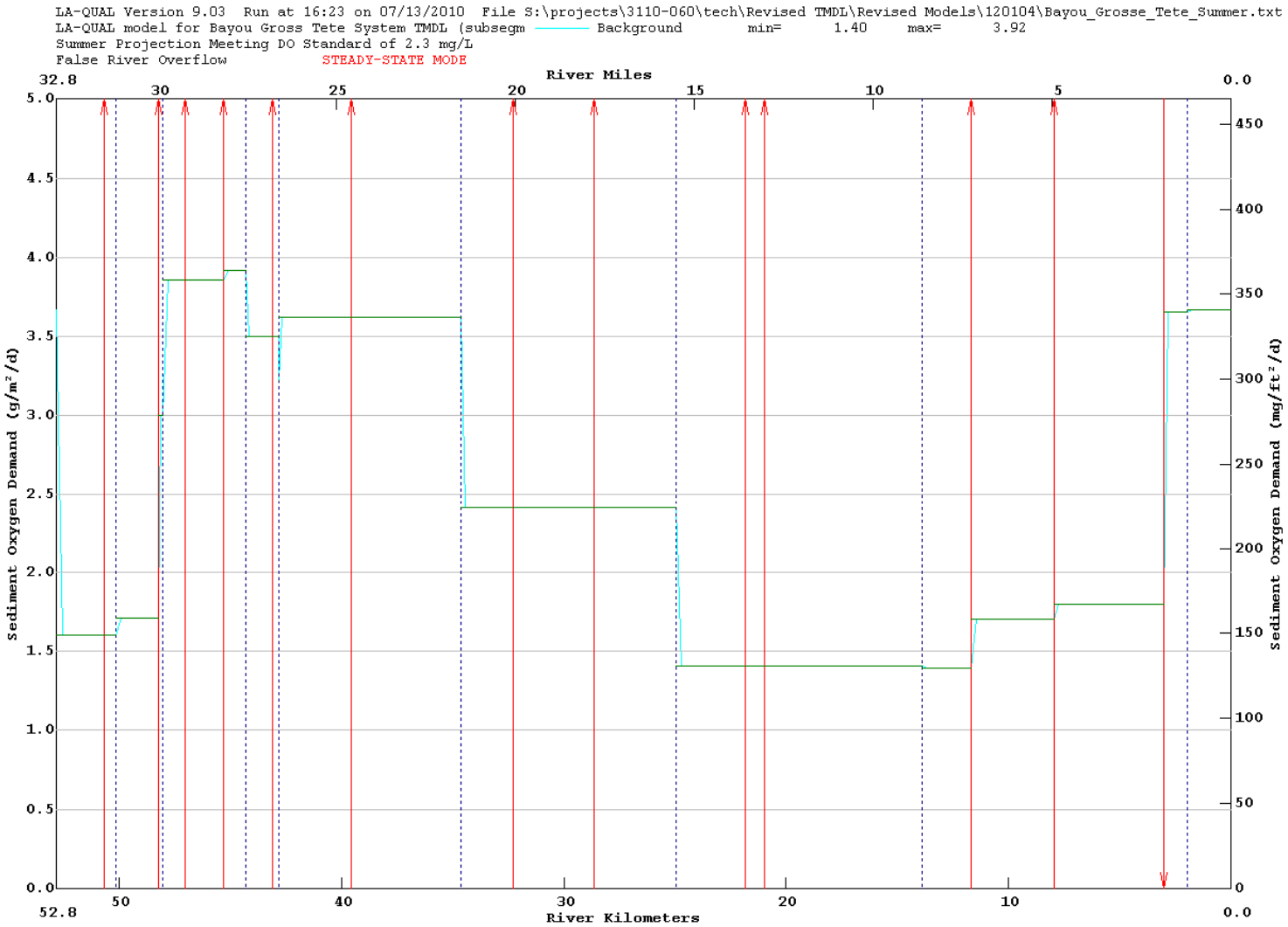
.....EXECUTION COMPLETED

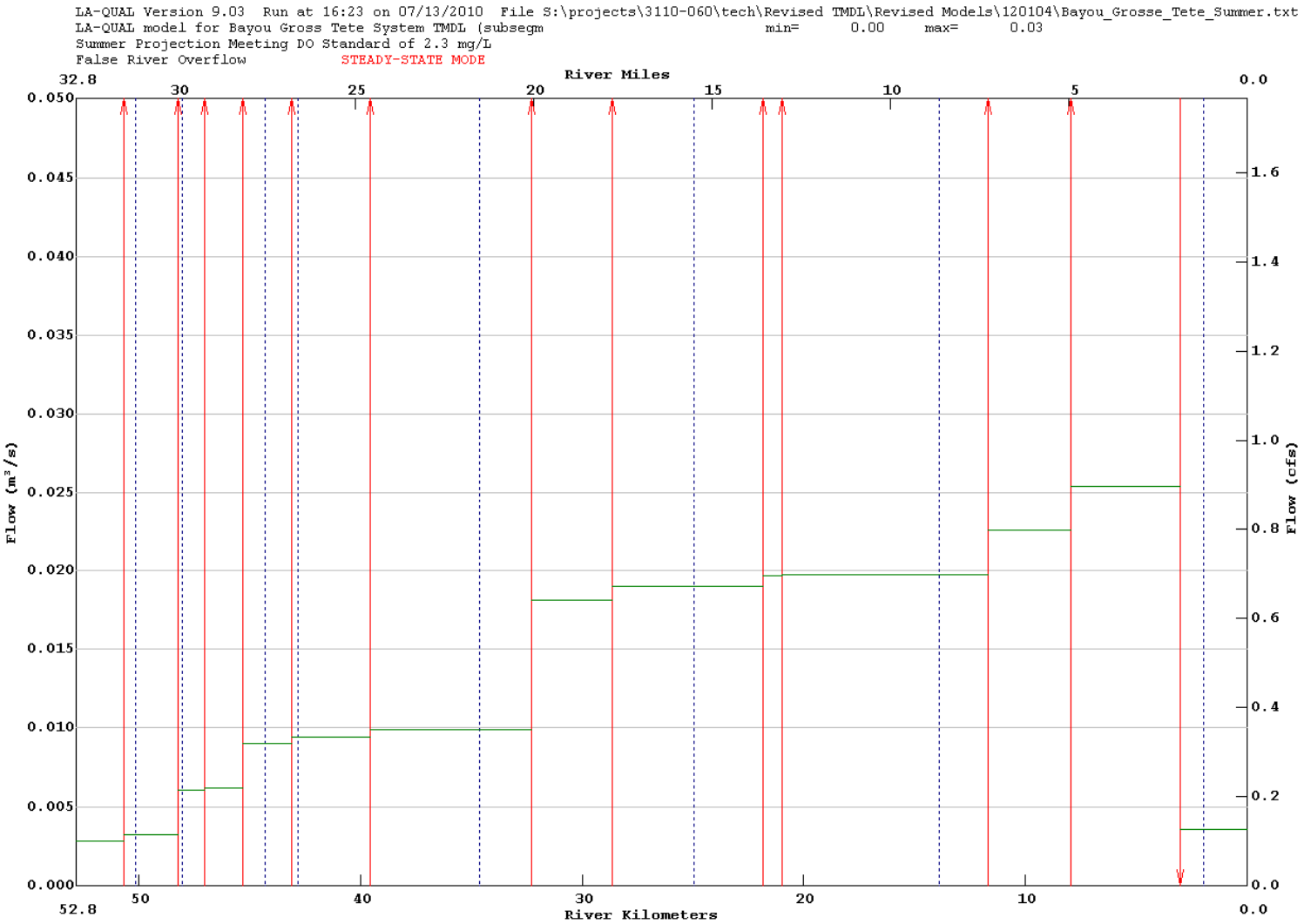
Appendix D2 – Summer Projection Graphs

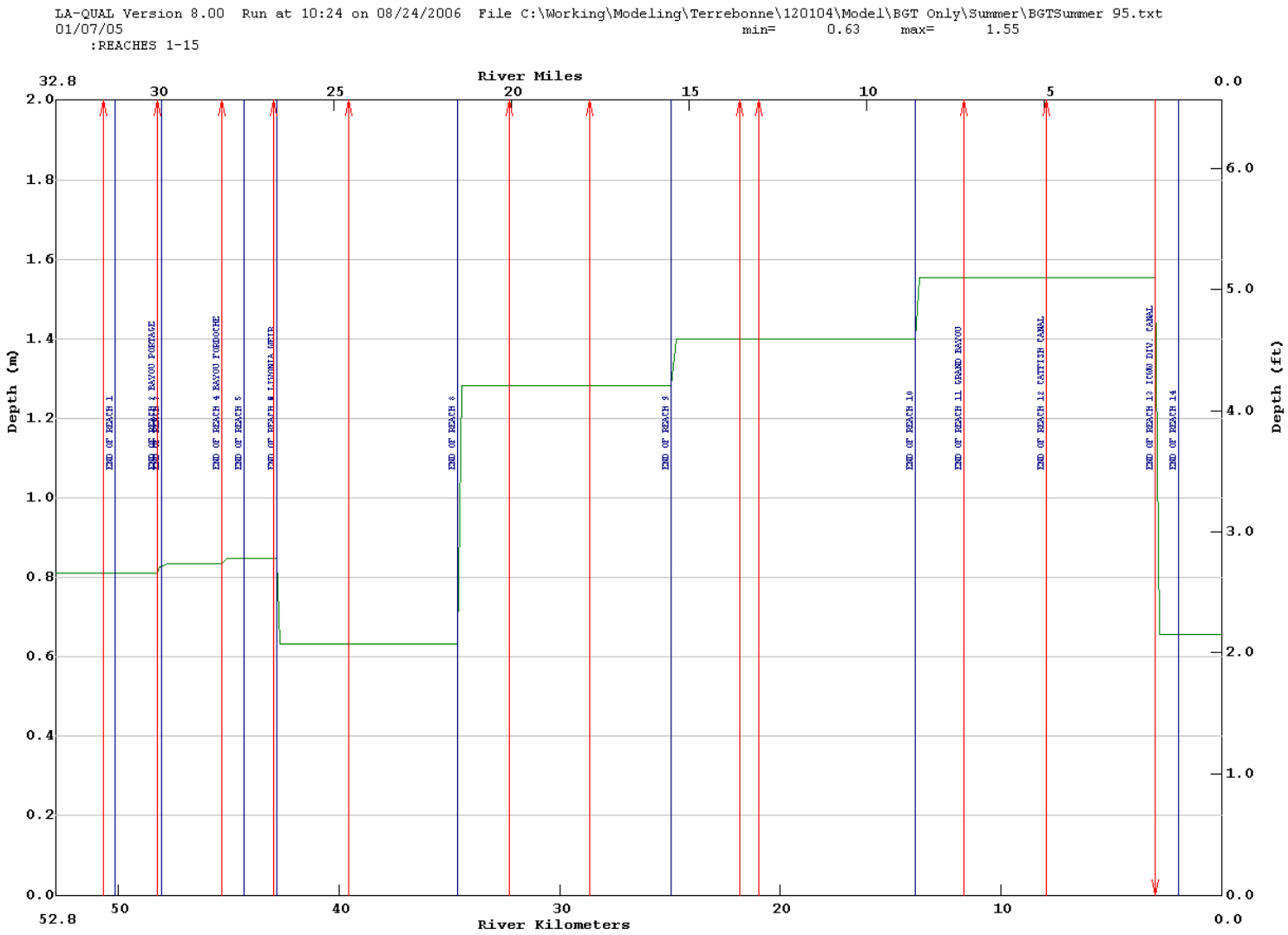

LA-QUAL Version 9.03 Run at 16:00 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Summer.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Predicted min= 2.34 max= 7.00
Summer Projection Meeting DO Standard of 2.3 mg/L
D.O. Sat
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
0
1
2
3
4
5
6
7
8
9
10
52.8
50
40
30
20
10
0.0
River Kilometers

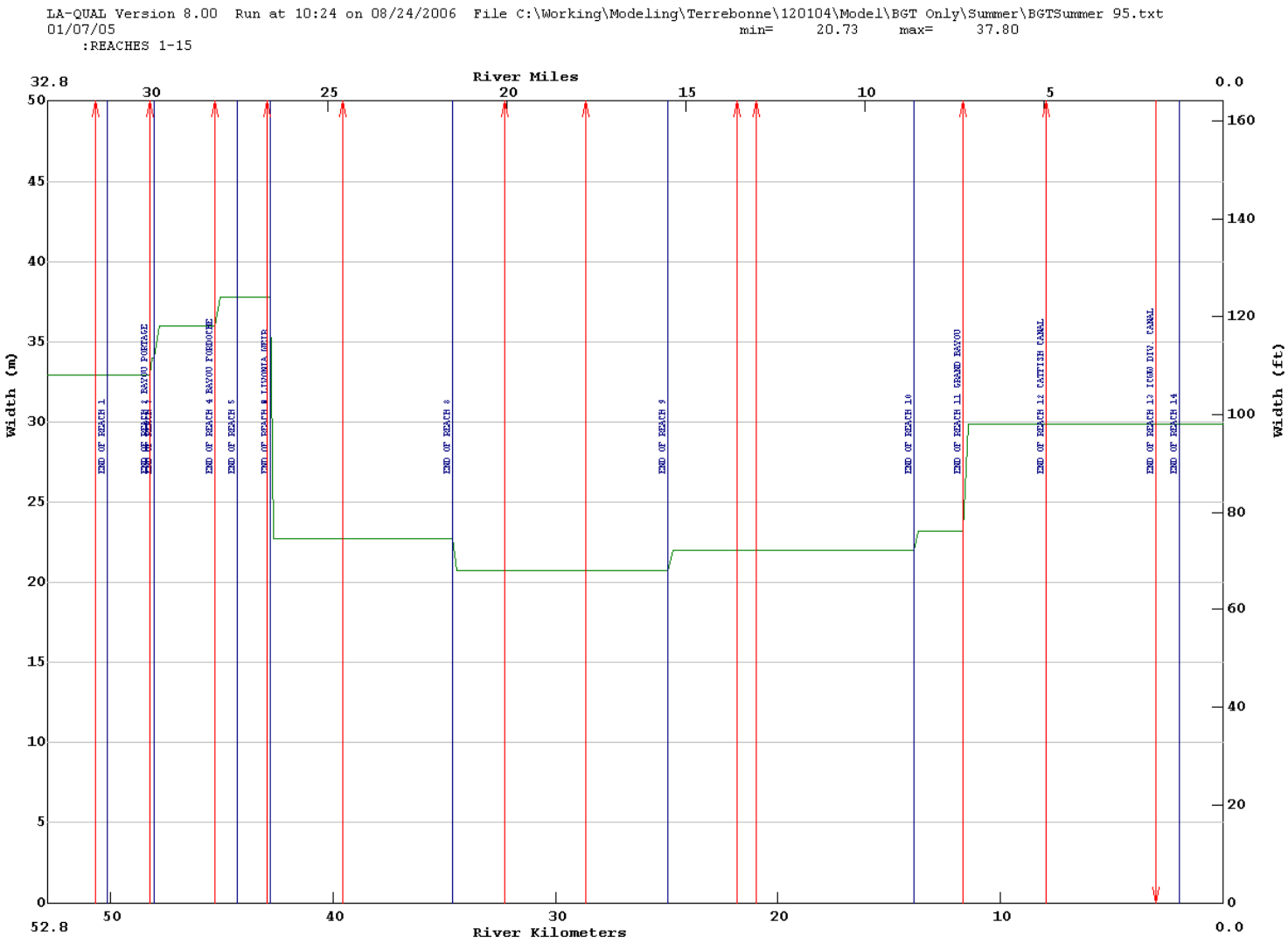

LA-QUAL Version 9.03 Run at 16:23 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Summer.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Predicted
min= 8.00 max= 18.28
Summer Projection Meeting DO Standard of 2.3 mg/L
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
River Kilometers
52.8
50
40
30
20
10
0.0
Effective BOD1 (mg/L)
0
2
4
6
8
10
12
14
16
18
20

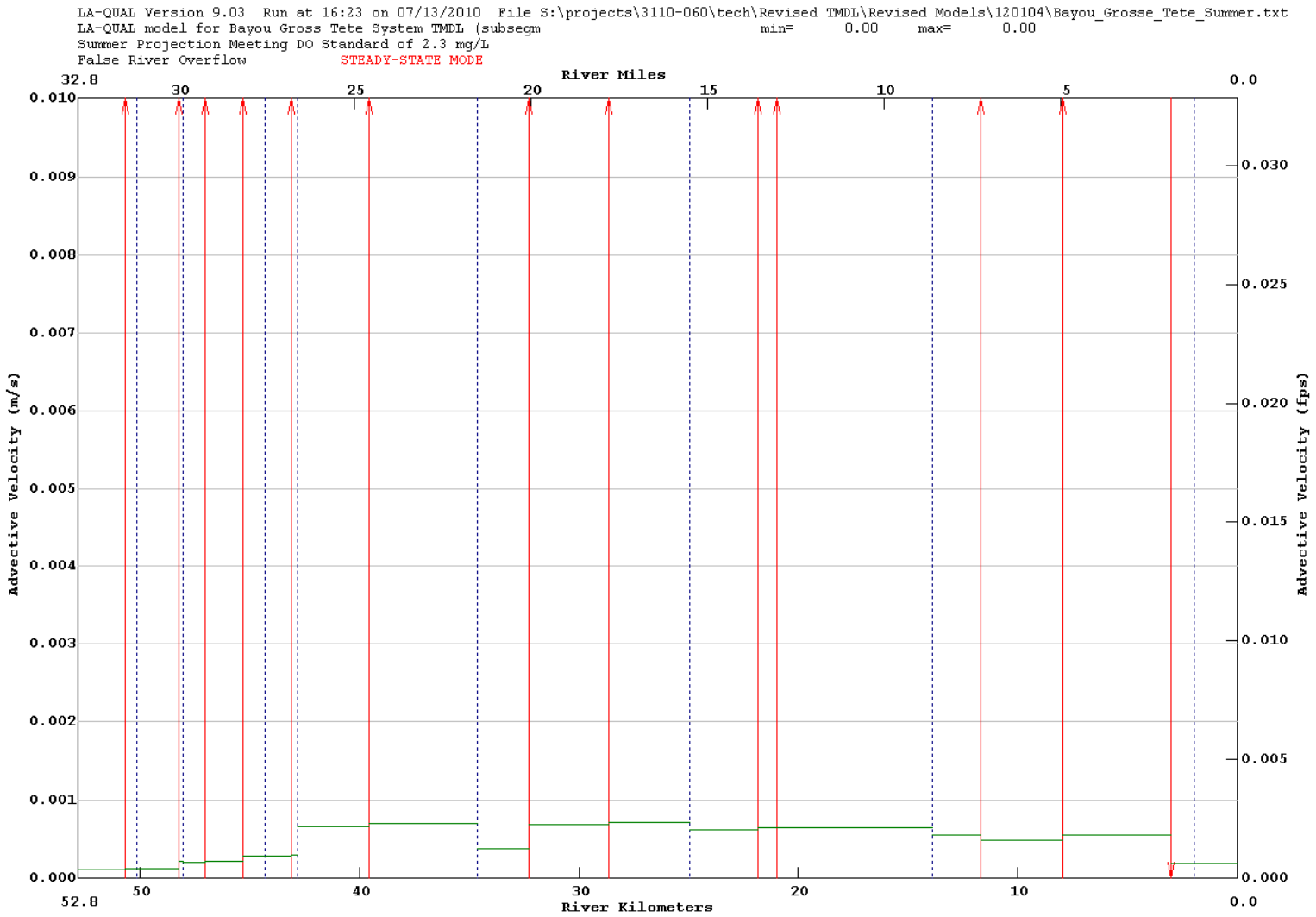

LA-QUAL Version 8.00 Run at 10:24 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Summer\BGTSummer 95.txt
01/07/05 min= 10.00 max= 10.00
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Chlorophyll a (pg/L)
20
18
16
14
12
10
8
6
4
2
0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONNIA AMTR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

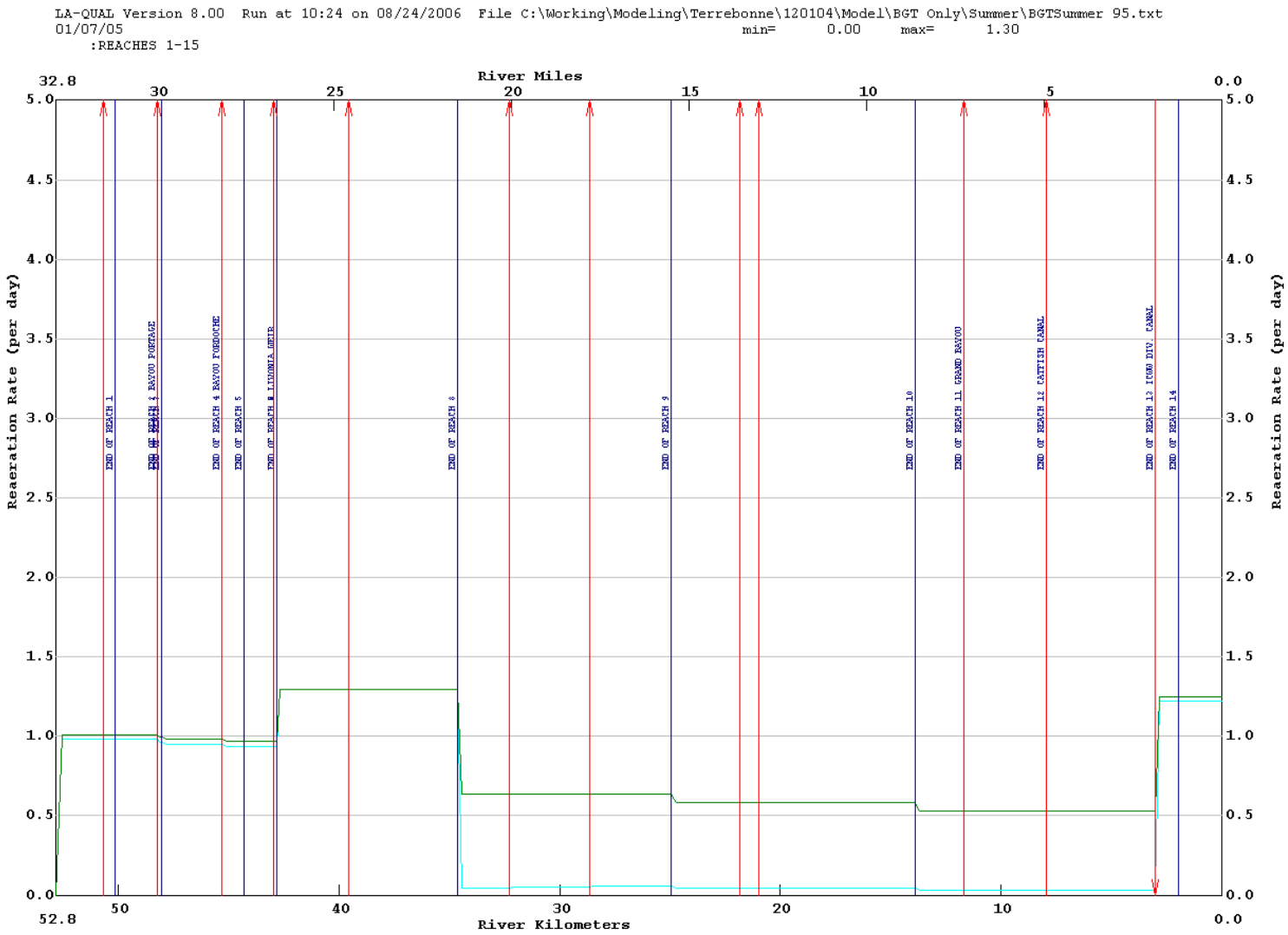

LA-QUAL Version 9.03 Run at 16:23 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Summer.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm Background min= 1.40 max= 3.92
Summer Projection Meeting DO Standard of 2.3 mg/L
False River Overflow STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
Sediment Oxygen Demand (g/m²/d)
Sediment Oxygen Demand (mg/ft²/d)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
450
400
350
300
250
200
150
100
50
0
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 9.03 Run at 16:23 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Summer.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
min= 0.00 max= 0.03
Summer Projection Meeting DO Standard of 2.3 mg/L
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
Flow (m³/s)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Flow (cfs)
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 8.00 Run at 10:24 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Summer\BGTSummer 95.txt
01/07/05 min= 0.63 max= 1.55
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Depth (m)
Depth (ft)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONNIA AMTR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 8.00 Run at 10:24 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Summer\BGTSummer 95.txt
01/07/05 min= 20.73 max= 37.80
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Width (m)
Width (ft)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14


LA-QUAL Version 9.03 Run at 16:23 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Summer.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
min= 0.00 max= 0.00
Summer Projection Meeting DO Standard of 2.3 mg/L
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
0.010
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
Advective Velocity (m/s)
0.030
0.025
0.020
0.015
0.010
0.005
0.000
Advective Velocity (fps)
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 8.00 Run at 10:24 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Summer\BGTSummer 95.txt
01/07/05 min= 0.00 max= 1.30
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Reaeration Rate (per day)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

Appendix D3 – Summer Projection Justifications

	DATA TYPE 3 - PROGRAM CONSTANTS		
CONSTANT NAME	**VALUE**	**UNITS**	**DATA SOURCE**
KL MINIMUM	0.7	m/day	Louisiana Standard Practice
MAXIMUM ITERATION LIMIT	1000		Louisiana Standard Practice
INHIBITION CONTROL VALUE	3		Louisiana Standard Practice
EFFECTIVE BOD DUE TO ALGAE	0.15	mg/L BOD /ug chl a/ day	BPJ and calibration
ALGAE OXYGEN PRODUCTION	0.05	mg O / ug chl a / day	LAQUAL Default
K2 MAXIMUM	25	1/day at 20 deg C	Louisiana Standard Practice
HYDRAULIC CALCULATION METHOD	2		Louisiana Standard Practice
SETTLING RATE UNITS	2		Louisiana Standard Practice

			DATA TYPE 8 - REACH IDENTIFICATION DATA			
Reach	**ID**	**Name**	**Upstream River Kilometer**	**Downstream River Kilometer**	**Element Length, meters**	**Data Source**
1	GT	FALSE R CANAL-FRISCO BRIDGE (LA 411)	52.84	50.15	0.2690	
2	GT	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	50.15	48.26	0.2100	
3	GT	BAYOU PORTAGE-UNNAMED CANAL	48.26	48.06	0.1000	
4	GT	UNNAMED CANAL-BAYOU FORDOCHE	48.06	45.31	0.2500	
5	GT	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	45.31	44.30	0.2020	
6	GT	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	44.30	42.85	0.1450	
7	GT	CONCRETE WEIR	42.85	42.84	0.0100	
8	GT	CONCRETE WEIR-MARINGOUIN BRIDGE	42.84	34.63	0.1642	
9	GT	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	34.63	24.95	0.1936	
10	GT	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	24.95	13.90	0.2210	
11	GT	SIDNEY RD. BRIDGE-GRAND BAYOU	13.90	11.68	0.2220	
12	GT	GRAND BAYOU-CATFISH CANAL	11.68	7.93	0.2500	
13	GT	CATFISH CANAL-ICWW DIVERSION	7.93	3.02	0.1964	
14	GT	ICWW DIVERSION-LA 77 BOAT LAUNCH	3.02	1.96	0.2120	
15	GT	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	1.96	0.00	0.2450	

		DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS				DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS				DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS			
Reach	Name	Width Coeff. "a"	Width Exp. "b"	Width Const. "c"	Data Source	Depth Coeff. "d"	Depth Exp. "e"	Depth Const. "f"	Data Source	Slope (unitless)	Data Source	Manning's "n"	Data Source
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	0	0	32.92	Field Data, Site BGT2	0	0	0.811	Field Data, Site BGT2	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	0	0	32.92	Field Data, Site BGT2	0	0	0.811	Field Data, Site BGT2	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
3	BAYOU PORTAGE-UNNAMED CANAL	0	0	34	Estimate of field data between Sites BGT2 and BGT3	0	0	0.825	Estimate of field data between Sites BGT2 and BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
4	UNNAMED CANAL-BAYOU FORDOCHE	0	0	36	Estimate of field data between Sites BGT2 and BGT3	0	0	0.835	Estimate of field data between Sites BGT2 and BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
7	CONCRETE WEIR	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
8	CONCRETE WEIR-MARINGOUIN BRIDGE	0	0	22.71	Field Data, Site BGT4	0	0	0.631	Field Data, Site BGT4	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	0	0	20.73	Field Data, Site BGT5	0	0	1.283	Field Data, Site BGT5	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	0	0	22	Estimate of field data between Sites BGT5 and BGT6	0	0	1.4	Estimate of field data between Sites BGT5 and BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
11	SIDNEY RD. BRIDGE-GRAND BAYOU	0	0	23.16	Field Data, Site BGT6	0	0	1.554	Field Data, Site BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
12	GRAND BAYOU-CATFISH CANAL	0	0	29.87	Field Data, Site BGT7; chose width increase early due to input from Grand Bayou	0	0	1.554	Field Data, Site BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
13	CATFISH CANAL-ICWW DIVERSION	0	0	29.87	Field Data, Site BGT7	0	0	1.554	Field Data, Site BGT6; kept increased depth until diversion canal removes significant amount of flow	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	0	0	29.87	Field Data, Site BGT7	0	0	0.62	Field Data, Site BGT7	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	0	0	29.87	Field Data, Site BGT7	0	0	0.62	Field Data, Site BGT7	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook

		DATA TYPE 11 - INITIAL CONDITIONS				DATA TYPE 11 - INITIAL CONDITIONS		
Reach	**Name**	**Temp, deg C**	**Sal, ppt**	**DO, mg/l**	**Data Source**	**Chlorophyll a**	**Macrophytes**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
3	BAYOU PORTAGE-UNNAMED CANAL	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
4	UNNAMED CANAL-BAYOU FORDOCHE	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
7	CONCRETE WEIR	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
8	CONCRETE WEIR-MARINGOUIN BRIDGE	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
11	SIDNEY RD. BRIDGE-GRAND BAYOU	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
12	GRAND BAYOU-CATFISH CANAL	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
13	CATFISH CANAL-ICWW DIVERSION	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	28.34	0.00	7.00	Summer critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae

		DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS				DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS		DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS	
REACH	**NAME**	**K_2 OPT**	**Data Source**	**BKGRND SOD, gmO_2/m^2/day at 20 deg C**	**Data Source**	**Aerobic BOD1 Dec Rate (1/day)**	**Data Source**	**BOD1 SETT RATE (m/day, ft/day or 1/day)**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	15	Louisiana Equation	0.948	TMDL Loading Spreadsheet	0.121	Laboratory bottle rates, Estimated between Sites BGT9 and BGT2	0.05	LTP, BPJ and calibration
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	15	Louisiana Equation	1.014	TMDL Loading Spreadsheet	0.107	Laboratory bottle rates, Site BGT2	0.05	LTP, BPJ and calibration
3	BAYOU PORTAGE-UNNAMED CANAL	15	Louisiana Equation	1.775	TMDL Loading Spreadsheet	0.102	Laboratory bottle rates, Estimated between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
4	UNNAMED CANAL-BAYOU FORDOCHE	15	Louisiana Equation	2.282	TMDL Loading Spreadsheet	0.098	Laboratory bottle rates, Estimated between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	15	Louisiana Equation	2.316	TMDL Loading Spreadsheet	0.095	Laboratory bottle rates, Estimated between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	15	Louisiana Equation	2.070	TMDL Loading Spreadsheet	0.093	Laboratory bottle rates, Site BGT3	0.05	LTP, BPJ and calibration
7	CONCRETE WEIR	15	Louisiana Equation	1.904	TMDL Loading Spreadsheet	0.098	Laboratory bottle rates, Estimated between Sites BGT3 and BGT4	0.05	LTP, BPJ and calibration
8	CONCRETE WEIR-MARINGOUIN BRIDGE	15	Louisiana Equation	2.142	TMDL Loading Spreadsheet	0.105	Laboratory bottle rates, Estimated between Sites BGT3 and BGT4	0.05	LTP, BPJ and calibration
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	4	Owens-Edwards-Gibbs	1.426	TMDL Loading Spreadsheet	0.106	Laboratory bottle rates, Estimated between Sites BGT4 and BGT5	0.05	LTP, BPJ and calibration
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	4	Owens-Edwards-Gibbs	0.831	TMDL Loading Spreadsheet	0.099	Laboratory bottle rates, Estimated between Sites BGT5 and BGT6	0.05	LTP, BPJ and calibration
11	SIDNEY RD. BRIDGE-GRAND BAYOU	4	Owens-Edwards-Gibbs	0.826	TMDL Loading Spreadsheet	0.093	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
12	GRAND BAYOU-CATFISH CANAL	4	Owens-Edwards-Gibbs	1.007	TMDL Loading Spreadsheet	0.090	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
13	CATFISH CANAL-ICWW DIVERSION	4	Owens-Edwards-Gibbs	1.066	TMDL Loading Spreadsheet	0.086	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	15	Louisiana Equation	2.162	TMDL Loading Spreadsheet	0.084	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	15	Louisiana Equation	2.171	TMDL Loading Spreadsheet	0.082	Laboratory bottle rates, Site BGT7	0.05	LTP, BPJ and calibration

		DATA TYPE 16 - INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVE							
Reach	**Reach Name**	**Incr. Ouflow, m^3**	**Incr. Inflow, m^3**	**Data Source**	**Temp, deg C**	**Sal., ppt**	**Cons. Mat I**	**Cons. Mat II**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)			Incremental flows were reduced to zero to simulate dry, critical conditions					
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE								
3	BAYOU PORTAGE-UNNAMED CANAL								
4	UNNAMED CANAL-BAYOU FORDOCHE								
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)								
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR								
7	CONCRETE WEIR								
8	CONCRETE WEIR-MARINGOUIN BRIDGE								
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE								
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE								
11	SIDNEY RD. BRIDGE-GRAND BAYOU								
12	GRAND BAYOU-CATFISH CANAL								
13	CATFISH CANAL-ICWW DIVERSION								
14	ICWW DIVERSION-LA 77 BOAT LAUNCH								
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY								

		DATA TYPE 19 - NONPOINT SOURCES		
Reach	**Reach Name**	**Length of Reach, km**	**UCBOD1, kg/day**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	2.69	157.96	TMDL Loading Spreadsheet
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	1.89	118.33	TMDL Loading Spreadsheet
3	BAYOU PORTAGE-UNAMED CANAL	0.20	14.79	TMDL Loading Spreadsheet
4	UNNAMED CANAL-BAYOU FORDOCHE	2.75	136.89	TMDL Loading Spreadsheet
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	1.01	46.32	TMDL Loading Spreadsheet
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	1.45	103.48	TMDL Loading Spreadsheet
7	CONCRETE WEIR	0.01	0.00	TMDL Loading Spreadsheet
8	CONCRETE WEIR-MARINGOUIN BRIDGE	8.21	171.37	TMDL Loading Spreadsheet
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	9.68	380.37	TMDL Loading Spreadsheet
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	11.05	662.03	TMDL Loading Spreadsheet
11	SIDNEY RD. BRIDGE-GRAND BAYOU	2.22	162.26	TMDL Loading Spreadsheet
12	GRAND BAYOU-CATFISH CANAL	3.75	218.20	TMDL Loading Spreadsheet
13	CATFISH CANAL-ICWW DIVERSION	4.91	283.20	TMDL Loading Spreadsheet
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	1.06	43.24	TMDL Loading Spreadsheet
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	1.96	77.52	TMDL Loading Spreadsheet

	DATA TYPE 20 - HEADWATER DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES						
Headwater Name	**Element No.**	**Logical Unit Number**	**Headwater Flow, cms**	**Temp, deg C**	**Conservative Material I**	**Conservative Material II**	**Data Source**
False River Overflow	1		0.00283	28.34	8.4	16.5	Summer critical flow and temperature; Site BGT9 field data; conservatives modified due to inconsistencies with upstream and downstream sites

	DATA TYPE 21 - HEADWATER DATA FOR DO, BOD, AND NITROGEN		
Headwater Name	**Dissolved Oxygen, mg/L**	**UCBOD1, mg/l**	**Data Source**
False River Overflow	7	10.04	90% DO saturation, TMDL Loading Spreadsheet

	DATA TYPE 24 - WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES						
Wasteload / Withdrawal Name	**EL #**	**Flow, cms**	**Temperature, deg C**	**Salinity**	**Conservative Material I**	**Conservative Material II**	**Data Source**
LA LABORERS T&A	9	0.00037					Permit and application data
BAYOU PORTAGE	20	0.00283	28.34				Summer critical conditions
UNION PACIFIC RR	26	0.00017					Permit and application data
BAYOU FORDOCHE	33	0.00283	28.34				Summer critical conditions
OAK TREE INN	46	0.00039					Permit and application data
VALVERDA ELEMENTARY	69	0.00050					Permit and application data
MARINGOUIN STP	111	0.00822					Permit and application data
N IBERVILLE SCHOOL	130	0.00085					Permit and application data
BAYOU TRUCK STOP	163	0.00067					Permit and application data
DAVID'S CATERING	167	0.00006					Permit and application data
GRAND BAYOU	209	0.00283	28.34				Summer critical conditions
CATFISH CANAL	224	0.00283	28.34				Summer critical conditions
ICWW DIVERSION	249	-0.02180	28.34				Flow is calculated to be the same percentage of total flow being removed as from the calibration model.

	DATA TYPE 25 - WASTELOAD DATA FOR DO, BOD, AND NITROGEN				
Wasteload / Withdrawal Name	**EL #**	**DO, mg/L**	**UCBOD1, mg/L**	**BOD decayed percent**	**Data Source**
LA LABORERS T&A	9	2.00	133.50		Permit and application data
BAYOU PORTAGE	20	7.00	11.47		Summer critical temperature and TMDL Loading Spreadsheet
UNION PACIFIC RR	26	2.00	133.50		Permit and application data
BAYOU FORDOCHE	33	7.00	11.80		Summer critical temperature and TMDL Loading Spreadsheet
OAK TREE INN	46	2.00	133.50		Permit and application data
VALVERDA ELEMENTARY	69	2.00	133.50		Permit and application data
MARINGOUIN STP	111	2.00	44.50		Permit and application data
N IBERVILLE SCHOOL	130	2.00	133.50		Permit and application data
BAYOU TRUCK STOP	163	2.00	133.50		Permit and application data
DAVID'S CATERING	167	2.00	133.50		Permit and application data
GRAND BAYOU	209	7.00	12.04		Summer critical temperature and TMDL Loading Spreadsheet
CATFISH CANAL	224	7.00	15.39		Summer critical temperature and TMDL Loading Spreadsheet
ICWW DIVERSION	249	6.64.	4.43		Projection model instream values at diversion

	DATA TYPE 27 - LOWER BOUNDARY CONDITIONS		
Parameter	**Value**	**Units**	**Data Source**
TEMPERATURE	28.34	oCelcius	Summer critical temperature
SALINITY	0	ppt	
CONSERVATIVE MATERIAL I	15.9	mg/L	Site BGT8 field data
CONSERVATIVE MATERIAL II	35.2	mg/L	Site BGT8 field data
DISSOLVED OXYGEN	7.00	mg/L	90% DO saturation
BIOCHEMICAL OXYGEN DEMAND 1	6.48	mg/L	Calibration Model
CHLOROPHYLL A	10	ug/L	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
COLIFORM	0	#/100 mL	
NONCONSERVATIVE MATERIAL	0	mg/L	

	DATA TYPE 28 - DAM DATA					
Dam Name	**EL #**	**Dam Reaeration Option**	**Water Quality Factor, "a"**	**Weir Dam aeration coeffient, "b"**	**Static head loss over dam, "H"**	**Data Source**
Livonia Weir	48	1	0.85	0.75	1.622	Model documentation and field data

Appendix D4 – Winter Projection Input and Output Files

Input File

```
CNTROL01     LA-QUAL model for Bayou Gross Tete System TMDL (subsegment 120104)
CNTROL02     Winter Projection Meeting DO Standard of 5.0 mg/L
CNTROL12 YES METRIC UNITS
ENDATA01
MODOPT01  NO TEMPERATURE
MODOPT02  NO SALINITY
MODOPT03  NO CONSERVATIVE MATERIAL  I = CHLORIDES                  IN MG/L
MODOPT04  NO CONSERVATIVE MATERIAL II = SULFATES                   IN MG/L
MODOPT05 YES DISSOLVED OXYGEN
MODOPT06 YES BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07  NO BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08  NO NITROGEN
MODOPT09  NO PHOSPHORUS
MODOPT10  NO CHLOROPHYLL A
MODOPT11  NO MACROPHYTES
MODOPT12  NO COLIFORM
MODOPT13  NO NONCONSERVATIVE MATERIAL
ENDATA02
PROGRAM  KL MINIMUM                          =     0.7
PROGRAM  MAXIMUM ITERATION LIMIT             =  1000.0
PROGRAM  INHIBITION CONTROL VALUE            =     3.0
! Effective BOD due to algae value is within the range
! suggested in the LAQUAL User's Manual (ver. 5.01, rev. G, 6/27/2001)
PROGRAM  EFFECTIVE BOD DUE TO ALGAE          =     0.15
PROGRAM  ALGAE OXYGEN PRODUCTION             =     0.05
PROGRAM  K2 MAXIMUM                          =    25.0
PROGRAM  HYDRAULIC CALCULATION METHOD        =     2.0
PROGRAM  SETTLING RATE UNITS                 =     2.0
ENDATA03
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
ENDATA04
ENDATA05
ENDATA06
ENDATA07
!Reach Identification Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -- ******************************----------**********----------
REACH ID    1  GT   FALSE R CANAL-BGT 2               52.84     50.15     0.269
REACH ID    2  GT   BGT 2-B. PORTAGE                  50.15     48.26     0.210
REACH ID    3  GT   B. PORTAGE-UNNAMED CANAL          48.26     48.06     0.100
REACH ID    4  GT   UNNAMED CANAL-B. FORDOCHE         48.06     45.31     0.250
REACH ID    5  GT   B. FORDOCHE-BGT 3                 45.31     44.30     0.202
REACH ID    6  GT   BGT 3-BGT 3A                      44.30     42.85     0.145
REACH ID    7  GT   BGT 3A-BGT 3B                     42.85     42.84     0.010
REACH ID    8  GT   BGT 3B-BGT 4                      42.84     34.63     0.1642
REACH ID    9  GT   BGT 4-BGT 5                       34.63     24.95     0.1936
REACH ID   10  GT   BGT 5-BGT 6                       24.95     13.90     0.221
REACH ID   11  GT   BGT 6-GRAND BAYOU                 13.90     11.68     0.222
REACH ID   12  GT   GRAND BAYOU-CATFISH CANAL         11.68      7.93     0.250
REACH ID   13  GT   CATFISH CANAL-ICWW DIVERSION       7.93      3.02     0.1964
REACH ID   14  GT   ICWW DIVERSION-BGT 7              3.02      1.96     0.212
REACH ID   15  GT   BGT 7-INTRACOASTAL WATERWAY       1.96      0.00     0.245
ENDATA08
!Advective Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******--------*******
```

```
HYDR-1      1  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      2  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      3  0.0000 0.0000  34.00 0.0000  0.000  0.825   0.0001  0.035
HYDR-1      4  0.0000 0.0000  36.00 0.0000  0.000  0.835   0.0001  0.035
HYDR-1      5  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      6  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      7  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      8  0.0000 0.0000  22.71 0.0000  0.000  0.631   0.0001  0.035
HYDR-1      9  0.0000 0.0000  20.73 0.0000  0.000  1.283   0.0001  0.035
HYDR-1     10  0.0000 0.0000  22.00 0.0000  0.000  1.400   0.0001  0.035
HYDR-1     11  0.0000 0.0000  23.16 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     12  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     13  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     14  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
HYDR-1     15  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
ENDATA09
!Dispersive Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----**********----------**********----------
ENDATA10
!Initial Conditions
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  --------********--------********--------********--------********
INITIAL      1     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      2     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      3     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      4     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      5     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      6     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      7     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      8     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL      9     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL     10     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL     11     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL     12     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL     13     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL     14     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
INITIAL     15     18.81     0.0   8.38    0.000   0.000   0.00  10.000   00.00
ENDATA11
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----******----- ******-------*******-------*******-------
COEF-1      1   15   0.00  0.000 0.000 0.992  0.121  0.05
COEF-1      2   15   0.00  0.000 0.000 1.068  0.107  0.05
COEF-1      3   15   0.00  0.000 0.000 1.911  0.102  0.05
COEF-1      4   15   0.00  0.000 0.000 2.445  0.098  0.05
COEF-1      5   15   0.00  0.000 0.000 2.475  0.095  0.05
COEF-1      6   15   0.00  0.000 0.000 2.228  0.093  0.05
COEF-1      7   15   0.00  0.000 0.000 1.915  0.098  0.05
COEF-1      8   15   0.00  0.000 0.000 2.265  0.105  0.05
COEF-1      9    4   0.00  0.000 0.000 1.518  0.106  0.05
COEF-1     10    4   0.00  0.000 0.000 0.889  0.099  0.05
COEF-1     11    4   0.00  0.000 0.000 0.890  0.093  0.05
COEF-1     12    4   0.00  0.000 0.000 1.062  0.090  0.05
COEF-1     13    4   0.00  0.000 0.000 1.125  0.086  0.05
COEF-1     14   15   0.00  0.000 0.000 2.311  0.084  0.05
COEF-1     15   15   0.00  0.000 0.000 2.318  0.082  0.05
ENDATA12
!Nitrogen and Phosphorus Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
```

```
!         ***  -------*******-------*******-------*******-------
ENDATA13
!Algae and Macrophyte Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******       -------*******
ENDATA14
!Coliform and Nonconservative Cofficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******
ENDATA15
!Incremental Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------*********
ENDATA16
!Incremental Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------
ENDATA17
!Incremental Data for Phosphorus, Chlorophyll, Coliform and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********
ENDATA18
!Nonpoint Source Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------
NONPOINT    1   165.410
NONPOINT    2   124.630
NONPOINT    3    15.930
NONPOINT    4   146.680
NONPOINT    5    49.510
NONPOINT    6   111.420
NONPOINT    7     0.000
NONPOINT    8   181.220
NONPOINT    9   404.770
NONPOINT   10   707.910
NONPOINT   11   174.790
NONPOINT   12   230.060
NONPOINT   13   298.960
NONPOINT   14    46.220
NONPOINT   15    82.800
ENDATA19
!Headwater Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  -------------------- *** --------********--------********---------
HDWTR-1     1  False River Overflow  0.  0.02830  18.81  0.0       8.40   16.50
ENDATA20
!Headwater Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********---------
HDWTR-2     1      8.38    10.12     0.00   0.000    0.00
ENDATA21
!Headwater Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********
```

```
HDWTR-3     1      0.00     0.00   0.00    0.00
ENDATA22
!Junction Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        **** ----  ************************************************************
ENDATA23
!Wasteload Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  --------------------*********---------*********---------*********
WSTLD-1     9  LA LABORERS T&A      0.00037               0.00     0.00     0.00
WSTLD-1    20  BAYOU PORTAGE        0.0283      18.81     0.00     0.00     0.00
WSTLD-1    26  UNION PACIFIC RR     0.00017               0.00     0.00     0.00
WSTLD-1    33  BAYOU FORDOCHE       0.0283      18.81     0.00     0.00     0.00
WSTLD-1    46  OAK TREE INN         0.00039               0.00     0.00     0.00
WSTLD-1    69  VALVERDA ELEMENTARY  0.00050               0.00     0.00     0.00
WSTLD-1   111  MARINGOUIN STP       0.00822               0.00     0.00     0.00
WSTLD-1   130  N IBERVILLE SCHOOL   0.00085               0.00     0.00     0.00
WSTLD-1   163  BAYOU TRUCK STOP     0.00067               0.00     0.00     0.00
WSTLD-1   167  DAVID'S CATERING     0.00006               0.00     0.00     0.00
WSTLD-1   209  GRAND  BAYOU         0.0283      18.81     0.00     0.00     0.00
WSTLD-1   224  CATFISH CANAL        0.0283      18.81     0.00     0.00     0.00
WSTLD-1   249  ICWW DIVERSION      -0.13733     18.81     0.00     0.00     0.00
ENDATA24
!Wasteload Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  ---------*********-----*********---------*****---------
WSTLD-2     9      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2    20      8.38    11.88  0.0     0.00     0.00  0.0     0.00
WSTLD-2    26      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2    33      8.38    12.26  0.0     0.00     0.00  0.0     0.00
WSTLD-2    46      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2    69      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   111      2.00    44.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   130      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   163      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   167      2.00   133.50  0.0     0.00     0.00  0.0     0.00
WSTLD-2   209      8.38    12.54  0.0     0.00     0.00  0.0     0.00
WSTLD-2   224      8.38    16.37  0.0     0.00     0.00  0.0     0.00
WSTLD-2   249      4.61    11.69  0.0     0.00     0.00  0.0     0.00
ENDATA25
!Wasteload Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  ---------*********---------*********
WSTLD-3     9       0.00     0.00     0.00     0.00
WSTLD-3    20       0.00     0.00     0.00     0.00
WSTLD-3    26       0.00     0.00     0.00     0.00
WSTLD-3    33       0.00     0.00     0.00     0.00
WSTLD-3    46       0.00     0.00     0.00     0.00
WSTLD-3    69       0.00     0.00     0.00     0.00
WSTLD-3   111       0.00     0.00     0.00     0.00
WSTLD-3   130       0.00     0.00     0.00     0.00
WSTLD-3   163       0.00     0.00     0.00     0.00
WSTLD-3   167       0.00     0.00     0.00     0.00
WSTLD-3   209       0.00     0.00     0.00     0.00
WSTLD-3   224       0.00     0.00     0.00     0.00
WSTLD-3   249       0.00     0.00     0.00     0.00
ENDATA26
LOWER BC TEMPERATURE                        =  18.81
LOWER BC SALINITY                           =   0.00
```

```
LOWER BC CONSERVATIVE MATERIAL I            =  15.90
LOWER BC CONSERVATIVE MATERIAL II           =  35.20
LOWER BC DISSOLVED OXYGEN                   =   8.38
LOWER BC BOD1 BIOCHEMICAL OXYGEN DEMAND     =   6.48
LOWER BC BOD2 BIOCHEMICAL OXYGEN DEMAND     =   0.00
LOWER BC ORGANIC NITROGEN                   =   0.00
LOWER BC AMMONIA NITROGEN                   =   0.00
LOWER BC NITRATE + NITRITE                  =   0.00
LOWER BC PHOSPHORUS                         =   0.00
LOWER BC CHLOROPHYLL A                      =  10.00
LOWER BC COLIFORM                           =   0.00
LOWER BC NONCONSERVATIVE MATERIAL           =   0.00
ENDATA27
!DAM DATA
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!        ****  -------------------- ** --------********--------
DAM DATA   48        Livonia Weir    1    0.85    0.75   1.622
ENDATA28
ENDATA29
NUMBER OF PLOTS = 5
NUMBER OF REACHES IN PLOT 5 =  15
PLOT RCH  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15
NUMBER OF REACHES IN PLOT 1 =   5
PLOT RCH  1  2  3  4  5
NUMBER OF REACHES IN PLOT 2 =   3
PLOT RCH  6  7  8
NUMBER OF REACHES IN PLOT 3 =   4
PLOT RCH  8  9 10 11
NUMBER OF REACHES IN PLOT 4 =   5
PLOT RCH 11 12 13 14 15
ENDATA30
!oVERLAY FILES ARE NOT INCLUDED WITH THIS MODEL
!OVERLAY 1 OVERLAY BGTProj.TXT                :REACHES 1-15
!OVERLAY 2 OVERLAY BGTProj.TXT                :REACHES 1-5
!OVERLAY 3 OVERLAY BGTProj.TXT                :REACHES 6-8
!OVERLAY 4 OVERLAY BGTProj.TXT                :REACHES 8-11
!OVERLAY 5 OVERLAY BGTProj.TXT                :REACHES 11-15
ENDATA31
```

Output File

```
LA-QUAL Version 9.03
Louisiana Department of Environmental Quality

Input file is S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Winter.txt
Running in steady-state mode using LA defaults
Output produced at 14:16 on 06/14/2010

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
TITLE02         Winter Projection Meeting DO Standard of 5.0 mg/L
CNTROL12  YES   METRIC UNITS
ENDATA01

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

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL  I = CHLORIDES                 IN MG/L
MODOPT04   NO   CONSERVATIVE MATERIAL II = SULFATES                  IN MG/L
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08   NO   NITROGEN
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORM
MODOPT13   NO   NONCONSERVATIVE MATERIAL
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                      VALUE

PROGRAM         KL MINIMUM                          =        0.70000 meters/day
PROGRAM         MAXIMUM ITERATION LIMIT             =     1000.00000
PROGRAM         INHIBITION CONTROL VALUE            =        3.00000 (inhibit all rates but SOD)
PROGRAM         EFFECTIVE BOD DUE TO ALGAE          =        0.15000 mg/L BOD1 per ug/L chl a
PROGRAM         ALGAE OXYGEN PRODUCTION             =        0.05000 mg O/ug chl a/day
PROGRAM         K2 MAXIMUM                          =       25.00000 per day
PROGRAM         HYDRAULIC CALCULATION METHOD        =        2.00000 (widths and depths)
PROGRAM         SETTLING RATE UNITS                 =        2.00000 (values entered as per 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

$$$ DATA TYPE 6 (PHYTOPLANKTON CONSTANTS) $$$

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA06

$$$ DATA TYPE 7 (PERIPHYTON CONSTANTS) $$$

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	GT	FALSE R CANAL-BGT 2	52.84	TO	50.15	0.2690	2.69	10	1	10
REACH ID	2	GT	BGT 2-B. PORTAGE	50.15	TO	48.26	0.2100	1.89	9	11	19
REACH ID	3	GT	B. PORTAGE-UNNAMED CANAL	48.26	TO	48.06	0.1000	0.20	2	20	21
REACH ID	4	GT	UNNAMED CANAL-B. FORDOCHE	48.06	TO	45.31	0.2500	2.75	11	22	32
REACH ID	5	GT	B. FORDOCHE-BGT 3	45.31	TO	44.30	0.2020	1.01	5	33	37
REACH ID	6	GT	BGT 3-BGT 3A	44.30	TO	42.85	0.1450	1.45	10	38	47
REACH ID	7	GT	BGT 3A-BGT 3B	42.85	TO	42.84	0.0100	0.01	1	48	48
REACH ID	8	GT	BGT 3B-BGT 4	42.84	TO	34.63	0.1642	8.21	50	49	98
REACH ID	9	GT	BGT 4-BGT 5	34.63	TO	24.95	0.1936	9.68	50	99	148
REACH ID	10	GT	BGT 5-BGT 6	24.95	TO	13.90	0.2210	11.05	50	149	198
REACH ID	11	GT	BGT 6-GRAND BAYOU	13.90	TO	11.68	0.2220	2.22	10	199	208
REACH ID	12	GT	GRAND BAYOU-CATFISH CANAL	11.68	TO	7.93	0.2500	3.75	15	209	223
REACH ID	13	GT	CATFISH CANAL-ICWW DIVERSION	7.93	TO	3.02	0.1964	4.91	25	224	248
REACH ID	14	GT	ICWW DIVERSION-BGT 7	3.02	TO	1.96	0.2120	1.06	5	249	253
REACH ID	15	GT	BGT 7-INTRACOASTAL WATERWAY	1.96	TO	0.00	0.2450	1.96	8	254	261

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	GT	0.000	0.000	32.920	0.000	0.000	0.811	0.00010	0.035
HYDR-1	2	GT	0.000	0.000	32.920	0.000	0.000	0.811	0.00010	0.035
HYDR-1	3	GT	0.000	0.000	34.000	0.000	0.000	0.825	0.00010	0.035
HYDR-1	4	GT	0.000	0.000	36.000	0.000	0.000	0.835	0.00010	0.035
HYDR-1	5	GT	0.000	0.000	37.800	0.000	0.000	0.847	0.00010	0.035
HYDR-1	6	GT	0.000	0.000	37.800	0.000	0.000	0.847	0.00010	0.035
HYDR-1	7	GT	0.000	0.000	37.800	0.000	0.000	0.847	0.00010	0.035
HYDR-1	8	GT	0.000	0.000	22.710	0.000	0.000	0.631	0.00010	0.035
HYDR-1	9	GT	0.000	0.000	20.730	0.000	0.000	1.283	0.00010	0.035
HYDR-1	10	GT	0.000	0.000	22.000	0.000	0.000	1.400	0.00010	0.035
HYDR-1	11	GT	0.000	0.000	23.160	0.000	0.000	1.554	0.00010	0.035
HYDR-1	12	GT	0.000	0.000	29.870	0.000	0.000	1.554	0.00010	0.035
HYDR-1	13	GT	0.000	0.000	29.870	0.000	0.000	1.554	0.00010	0.035
HYDR-1	14	GT	0.000	0.000	29.870	0.000	0.000	0.655	0.00010	0.035
HYDR-1	15	GT	0.000	0.000	29.870	0.000	0.000	0.655	0.00010	0.035

ENDATA09

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

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

ENDATA10

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

CARD TYPE	REACH	ID	TEMP deg C	SALIN ppt	DO mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	PERIP g/m²	BOD1 mg/L	BOD2 mg/L	ORG-N mg/L	ORG-P mg/L	COLI #/100mL	NCM	CM-1 MG/L	CM-2 MG/L
INITIAL	1	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	2	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	3	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	4	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	5	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	6	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	7	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	8	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	9	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	10	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	11	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	12	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	13	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	14	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL	15	GT	18.81	0.00	8.38	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	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	AEROB BOD DECAY	BOD SETT	SETTLD SOD AVAIL	ANAER BOD DECAY	AEROB BOD2 DECAY	BOD2 SETT	ANAER BOD2 DECAY	BOD2 HYDR TO BOD1

								g/m²/d	per day	per day	frac	per day	per day	per day	per day	per day
COEF-1	1	GT	15	LOUISIANA	0.000	0.000	0.000	0.992	0.121	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	GT	15	LOUISIANA	0.000	0.000	0.000	1.068	0.107	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	GT	15	LOUISIANA	0.000	0.000	0.000	1.911	0.102	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	GT	15	LOUISIANA	0.000	0.000	0.000	2.445	0.098	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	GT	15	LOUISIANA	0.000	0.000	0.000	2.475	0.095	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	GT	15	LOUISIANA	0.000	0.000	0.000	2.228	0.093	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	GT	15	LOUISIANA	0.000	0.000	0.000	1.915	0.098	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	GT	15	LOUISIANA	0.000	0.000	0.000	2.265	0.105	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	GT	4	OWENS <5 FPS	0.000	0.000	0.000	1.518	0.106	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	GT	4	OWENS <5 FPS	0.000	0.000	0.000	0.889	0.099	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	11	GT	4	OWENS <5 FPS	0.000	0.000	0.000	0.890	0.093	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	12	GT	4	OWENS <5 FPS	0.000	0.000	0.000	1.062	0.090	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	13	GT	4	OWENS <5 FPS	0.000	0.000	0.000	1.125	0.086	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	14	GT	15	LOUISIANA	0.000	0.000	0.000	2.311	0.084	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	15	GT	15	LOUISIANA	0.000	0.000	0.000	2.318	0.082	0.050	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	SETTLD ORGN AVAIL	NH3 DECA	BKGRND NH3 SRCE	BKGRND PO4 SRCE	DENIT RATE	ORGP DECA	ORGP SETT	SETTLD ORGP AVAIL
			per day	per day	frac	per day	g/m²/d	g/m²/d	per day	per day	per day	frac

ENDATA13

$$$ DATA TYPE 14 (ALGAE PHYTOPLANKTON AND PERIPHYTON COEFFICIENTS) $$$

CARD TYPE	REACH	ID	SECCHI DEPTH	CHL A: ALGAE	PHYTO SETT	PHYTO DEATH	MAX PHYTO GROW	PHYTO RESP	PERIP DEATH	MAX PERIP GROW	PERIP RESP	BANK SHADING
			m	frac	per day	per day	per day	per day	per day	per day	per day	frac

ENDATA14

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

CARD TYPE	REACH	ID	COLIFORM DIE-OFF	NCM DECAY	NCM SETT
			per day	per day	per day

ENDATA15

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

CARD TYPE	REACH	ID	OUTFLOW	INFLOW	TEMP	SALIN	CM-1	CM-2	IN/DIST	OUT/DIST
			m³/s	m³/s	deg C	ppt	MG/L	MG/L		

ENDATA16

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

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CARD TYPE      REACH  ID          DO      BOD1     ORG-N     NH3-N     NO3-N      BOD2
                                 mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                        PHYTO
 CARD TYPE      REACH  ID         PO4     CHL A      COLI       NCM      ORGP
                                 mg/L      µg/L   #/100mL                 mg/L

ENDATA18

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

CARD TYPE      REACH  ID        BOD1     ORG-N      COLI       NCM        DO      BOD2     ORG-P
                                 kg/d      kg/d     #/day                 kg/d      kg/d      kg/d

NONPOINT           1   GT      165.41      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           2   GT      124.63      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           3   GT       15.93      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           4   GT      146.68      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           5   GT       49.51      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           6   GT      111.42      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           7   GT        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           8   GT      181.22      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           9   GT      404.77      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          10   GT      707.91      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          11   GT      174.79      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          12   GT      230.06      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          13   GT      298.96      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          14   GT       46.22      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          15   GT       82.80      0.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
                                                                                                 HDW DISP
CARD TYPE      ELEMENT   NAME                 UNIT      FLOW      FLOW     TEMP     SALIN      CM-1      CM-2      EXCHG
                                                          m³/s       cfs   deg C      ppt      MG/L      MG/L       frac

HDWTR-1            1     False River Overflow    0   0.02830   0.99929    18.81     0.00     8.400    16.500     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      BOD2
                                                  mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

HDWTR-2            1     False River Overflow     8.38     10.12      0.00      0.00      0.00      0.00
ENDATA21
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$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$

CARD TYPE	ELEMENT	NAME	PO4-P mg/L	PHYTO CHL A µg/L	COLI #/100mL	NCM	ORG-P mg/L
HDWTR-3	1	False River Overflow	0.00	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 m^3/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-1 MG/L	CM-2 MG/L
WSTLD-1	9	50.69	LA LABORERS T&A	0.00037	0.01306	0.008	0.00	0.00	0.000	0.000
WSTLD-1	20	48.26	BAYOU PORTAGE	0.02830	0.99929	0.646	18.81	0.00	0.000	0.000
WSTLD-1	26	47.06	UNION PACIFIC RR	0.00017	0.00600	0.004	0.00	0.00	0.000	0.000
WSTLD-1	33	45.31	BAYOU FORDOCHE	0.02830	0.99929	0.646	18.81	0.00	0.000	0.000
WSTLD-1	46	43.14	OAK TREE INN	0.00039	0.01377	0.009	0.00	0.00	0.000	0.000
WSTLD-1	69	39.56	VALVERDA ELEMENTARY	0.00050	0.01766	0.011	0.00	0.00	0.000	0.000
WSTLD-1	111	32.31	MARINGOUIN STP	0.00822	0.29025	0.188	0.00	0.00	0.000	0.000
WSTLD-1	130	28.63	N IBERVILLE SCHOOL	0.00085	0.03001	0.019	0.00	0.00	0.000	0.000
WSTLD-1	163	21.86	BAYOU TRUCK STOP	0.00067	0.02366	0.015	0.00	0.00	0.000	0.000
WSTLD-1	167	20.97	DAVID'S CATERING	0.00006	0.00212	0.001	0.00	0.00	0.000	0.000
WSTLD-1	209	11.68	GRAND BAYOU	0.02830	0.99929	0.646	18.81	0.00	0.000	0.000
WSTLD-1	224	7.93	CATFISH CANAL	0.02830	0.99929	0.646	18.81	0.00	0.000	0.000
WSTLD-1	249	3.02	ICWW DIVERSION	-0.13733	-4.84922	-3.135	18.81	0.00	0.000	0.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD2 mg/L
WSTLD-2	9	LA LABORERS T&A	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	20	BAYOU PORTAGE	8.38	11.88	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	26	UNION PACIFIC RR	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	33	BAYOU FORDOCHE	8.38	12.26	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	46	OAK TREE INN	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	69	VALVERDA ELEMENTARY	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	111	MARINGOUIN STP	2.00	44.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	130	N IBERVILLE SCHOOL	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	163	BAYOU TRUCK STOP	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	167	DAVID'S CATERING	2.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	209	GRAND BAYOU	8.38	12.54	0.00	0.00	0.00	0.00	0.00	0.00

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WSTLD-2         224     CATFISH CANAL              8.38     16.37      0.00      0.00      0.00      0.00      0.00      0.00
WSTLD-2         249     ICWW DIVERSION             4.61     11.69      0.00      0.00      0.00      0.00      0.00      0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, PHYTOPLANTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                      PHYTO
CARD TYPE     ELEMENT   NAME                      PO4-P     CHL A      COLI       NCM     ORG-P
                                                    mg/L      µg/L   #/100mL               mg/L

WSTLD-3           9     LA LABORERS T&A            0.00      0.00      0.00      0.00      0.00
WSTLD-3          20     BAYOU PORTAGE              0.00      0.00      0.00      0.00      0.00
WSTLD-3          26     UNION PACIFIC RR           0.00      0.00      0.00      0.00      0.00
WSTLD-3          33     BAYOU FORDOCHE             0.00      0.00      0.00      0.00      0.00
WSTLD-3          46     OAK TREE INN               0.00      0.00      0.00      0.00      0.00
WSTLD-3          69     VALVERDA ELEMENTARY        0.00      0.00      0.00      0.00      0.00
WSTLD-3         111     MARINGOUIN STP             0.00      0.00      0.00      0.00      0.00
WSTLD-3         130     N IBERVILLE SCHOOL         0.00      0.00      0.00      0.00      0.00
WSTLD-3         163     BAYOU TRUCK STOP           0.00      0.00      0.00      0.00      0.00
WSTLD-3         167     DAVID'S CATERING           0.00      0.00      0.00      0.00      0.00
WSTLD-3         209     GRAND  BAYOU               0.00      0.00      0.00      0.00      0.00
WSTLD-3         224     CATFISH CANAL              0.00      0.00      0.00      0.00      0.00
WSTLD-3         249     ICWW DIVERSION             0.00      0.00      0.00      0.00      0.00
ENDATA26

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

CARD TYPE    CONSTITUENT                    CONCENTRATION

LOWER BC     TEMPERATURE                 =     18.810     deg C
LOWER BC     SALINITY                    =      0.000     ppt
LOWER BC     CONSERVATIVE MATERIAL I     =     15.900     MG/L
LOWER BC     CONSERVATIVE MATERIAL II    =     35.200     MG/L
LOWER BC     DISSOLVED OXYGEN            =      8.380     mg/L
LOWER BC     BOD1 BIOCHEMICAL OXYGEN DEMAND =   6.480     mg/L
LOWER BC     BOD2 BIOCHEMICAL OXYGEN DEMAND =   0.000     mg/L
LOWER BC     ORGANIC NITROGEN            =      0.000     mg/L
LOWER BC     AMMONIA NITROGEN            =      0.000     mg/L
LOWER BC     NITRATE + NITRITE           =      0.000     mg/L
LOWER BC     PHOSPHORUS                  =      0.000     mg/L
LOWER BC     CHLOROPHYLL A               =     10.000     µg/L
LOWER BC     COLIFORM                    =      0.000     #/100 mL
LOWER BC     NONCONSERVATIVE MATERIAL    =      0.000
ENDATA27

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

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

DAM DATA         48          Livonia Weir     1     0.850     0.750     1.622
ENDATA28
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$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

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

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


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
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
     .....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15


FINAL REPORT    False River Overflow                        LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO.  1      FALSE R CANAL-BGT 2                       Winter Projection Meeting DO Standard of 5.0 mg/L
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********** REACH INPUTS **********

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
1	HDWTR	0.02830	18.81	0.00	8.40	16.50	8.38	8.62	0.00	10.12	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
9	WSTLD	0.00037	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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	52.84	52.57	0.02830	0.0	0.00106	2.94	2.94	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
2	52.57	52.30	0.02830	0.0	0.00106	2.94	5.87	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
3	52.30	52.03	0.02830	0.0	0.00106	2.94	8.81	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
4	52.03	51.76	0.02830	0.0	0.00106	2.94	11.75	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
5	51.76	51.49	0.02830	0.0	0.00106	2.94	14.69	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
6	51.49	51.23	0.02830	0.0	0.00106	2.94	17.62	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
7	51.23	50.96	0.02830	0.0	0.00106	2.94	20.56	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
8	50.96	50.69	0.02830	0.0	0.00106	2.94	23.50	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
9	50.69	50.42	0.02867	1.3	0.00107	2.90	26.40	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
10	50.42	50.15	0.02867	1.3	0.00107	2.90	29.30	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
TOT						29.30				71817.94	88554.79					
AVG					0.0011			0.81	32.92			26.70				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
1	52.571	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
2	52.302	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
3	52.033	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
4	51.764	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
5	51.495	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
6	51.226	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
7	50.957	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
8	50.688	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
9	50.419	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
10	50.150	9.31	0.84	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.86	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.99			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
1	52.571	18.81	0.00	1.00	0.00	7.48	10.40	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

2	52.302	18.81	0.00	1.00	0.00	7.10	11.60	0.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
3	52.033	18.81	0.00	1.00	0.00	6.91	12.42	0.00	13.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
4	51.764	18.81	0.00	1.00	0.00	6.81	12.97	0.00	14.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
5	51.495	18.81	0.00	1.00	0.00	6.74	13.34	0.00	14.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
6	51.226	18.81	0.00	1.00	0.00	6.70	13.59	0.00	15.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
7	50.957	18.81	0.00	1.00	0.00	6.67	13.76	0.00	15.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
8	50.688	18.81	0.00	1.00	0.00	6.65	13.88	0.00	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
9	50.419	18.81	0.00	1.00	0.00	6.52	15.00	0.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
10	50.150	18.81	0.00	1.00	0.00	6.52	14.72	0.00	16.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
1	52.571	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
2	52.302	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
3	52.033	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
4	51.764	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
5	51.495	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
6	51.226	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
7	50.957	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
8	50.688	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
9	50.419	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
10	50.150	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 2 BGT 2-B. PORTAGE

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
11	UPR RCH	0.02867	18.81	0.00	1.00	0.00	6.52	14.72	0.00	16.22	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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

11	50.15	49.94	0.02867	1.3	0.00107	2.26	31.56	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
12	49.94	49.73	0.02867	1.3	0.00107	2.26	33.82	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
13	49.73	49.52	0.02867	1.3	0.00107	2.26	36.09	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
14	49.52	49.31	0.02867	1.3	0.00107	2.26	38.35	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
15	49.31	49.10	0.02867	1.3	0.00107	2.26	40.61	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
16	49.10	48.89	0.02867	1.3	0.00107	2.26	42.88	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
17	48.89	48.68	0.02867	1.3	0.00107	2.26	45.14	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
18	48.68	48.47	0.02867	1.3	0.00107	2.26	47.40	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
19	48.47	48.26	0.02867	1.3	0.00107	2.26	49.67	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.001
TOT						20.37				50459.45	62218.80					
AVG					0.0011			0.81	32.92			26.70				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
11	49.940	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
12	49.730	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
13	49.520	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
14	49.310	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
15	49.100	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
16	48.890	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
17	48.680	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
18	48.470	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
19	48.260	9.31	0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.86	0.11	0.05	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	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
11	49.940	18.81	0.00	1.00	0.00	6.57	15.16	0.00	16.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
12	49.730	18.81	0.00	1.00	0.00	6.57	15.49	0.00	16.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
13	49.520	18.81	0.00	1.00	0.00	6.54	15.74	0.00	17.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
14	49.310	18.81	0.00	1.00	0.00	6.52	15.93	0.00	17.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
15	49.100	18.81	0.00	1.00	0.00	6.50	16.07	0.00	17.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
16	48.890	18.81	0.00	1.00	0.00	6.49	16.17	0.00	17.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
17	48.680	18.81	0.00	1.00	0.00	6.48	16.25	0.00	17.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
18	48.470	18.81	0.00	1.00	0.00	6.47	16.31	0.00	17.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
19	48.260	18.81	0.00	1.00	0.00	6.46	16.34	0.00	17.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
11	49.940	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
12	49.730	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
13	49.520	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
14	49.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
15	49.100	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
16	48.890	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
17	48.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
18	48.470	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
19	48.260	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 3 B. PORTAGE-UNNAMED CANAL

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
20	UPR RCH	0.02867	18.81	0.00	1.00	0.00	6.46	16.34	0.00	17.84	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
20	WSTLD	0.02830	18.81	0.00	0.00	0.00	8.38	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
20	48.26	48.16	0.05697	50.3	0.00203	0.57	50.24	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.001	0.002
21	48.16	48.06	0.05697	50.3	0.00203	0.57	50.81	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.001	0.002
TOT						1.14				5610.00	6800.00					
AVG					0.0020			0.82	34.00			28.05				

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD1 DECAY	BOD1 SETT	ABOD1 DECAY	BOD1 HYDR	BOD2 DECAY	BOD2 SETT	ABOD2 DECAY	BKGD SOD	FULL SOD	CORR SOD	ORG-N HYDR	ORG-N SETT	NH3-N DECAY	NH3-N SRCE	DENIT RATE	ORG-P HYDR	ORG-P SETT	PO4 SRCE	PHYTO PROD	PERIP PROD	COLI DECAY	NCM DECAY	NCM SETT

		mg/L	1/da	1/da	1/da	1/da	1/da	1/da	1/da	1/da	*	*	*	1/da	1/da	1/da	*	1/da	1/da	1/da	*	**	**	1/da	1/da	1/da
20	48.160	9.31	0.83	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.77	1.77	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
21	48.060	9.31	0.83	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.77	1.77	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.85	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.91			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
20	48.160	18.81	0.00	1.00	0.00	6.83	14.55	0.00	16.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
21	48.060	18.81	0.00	1.00	0.00	6.42	14.93	0.00	16.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

PHYTOPLANKTON AND PERIPHYTON DATA

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
20	48.160	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
21	48.060	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 4 UNNAMED CANAL-B. FORDOCHE

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

REACH INPUTS

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
22	UPR RCH	0.05697	18.81	0.00	1.00	0.00	6.42	14.93	0.00	16.43	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
26	WSTLD	0.00017	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

HYDRAULIC PARAMETER VALUES

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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

22	48.06	47.81	0.05697	50.3	0.00190	1.53	52.33	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
23	47.81	47.56	0.05697	50.3	0.00190	1.53	53.86	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
24	47.56	47.31	0.05697	50.3	0.00190	1.53	55.39	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
25	47.31	47.06	0.05697	50.3	0.00190	1.53	56.91	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
26	47.06	46.81	0.05714	50.5	0.00190	1.52	58.44	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
27	46.81	46.56	0.05714	50.5	0.00190	1.52	59.96	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
28	46.56	46.31	0.05714	50.5	0.00190	1.52	61.48	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
29	46.31	46.06	0.05714	50.5	0.00190	1.52	63.00	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
30	46.06	45.81	0.05714	50.5	0.00190	1.52	64.52	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
31	45.81	45.56	0.05714	50.5	0.00190	1.52	66.05	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
32	45.56	45.31	0.05714	50.5	0.00190	1.52	67.57	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.001	0.002
TOT						16.76				82665.00	99000.00					
AVG					0.0019			0.83	36.00			30.06				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
22	47.810	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
23	47.560	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
24	47.310	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
25	47.060	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
26	46.810	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
27	46.560	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
28	46.310	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
29	46.060	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
30	45.810	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
31	45.560	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
32	45.310	9.31	0.82	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.27	2.27	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.84	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.44			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
22	47.810	18.81	0.00	1.00	0.00	5.59	14.50	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
23	47.560	18.81	0.00	1.00	0.00	5.24	14.16	0.00	15.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
24	47.310	18.81	0.00	1.00	0.00	5.11	13.87	0.00	15.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
25	47.060	18.81	0.00	1.00	0.00	5.06	13.64	0.00	15.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
26	46.810	18.81	0.00	1.00	0.00	5.03	13.74	0.00	15.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
27	46.560	18.81	0.00	1.00	0.00	5.03	13.53	0.00	15.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

28	46.310	18.81	0.00	1.00	0.00	5.05	13.35	0.00	14.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
29	46.060	18.81	0.00	1.00	0.00	5.06	13.21	0.00	14.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
30	45.810	18.81	0.00	1.00	0.00	5.08	13.09	0.00	14.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
31	45.560	18.81	0.00	1.00	0.00	5.09	13.00	0.00	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
32	45.310	18.81	0.00	1.00	0.00	5.10	12.92	0.00	14.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE	SECCHI DEPTH	PHYT N	PHYT LIT	PHYT N	PHYT P	PHYT N&P	PHYT TOT	PHYT GROW	PHYT RESP	PHYT DEATH	PHYT SETT	PHYT P/R	PHYTO	PERI N	PERI LIT	PERI N	PERI P	PERI N&P	PERI SPC	PERI TOT	PERI GROW	PERI RESP	PERI DEATH	PERI P/R	PERIP
		frac	m	PREF	LIM	LIM	LIM	LIM	LIM	1/da	1/da	1/da	1/da	RATIO	µg/L	PREF	LIM	LIM	LIM	LIM	LIM	LIM	1/da	1/da	1/da	RATIO	g/m²
22	47.810	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
23	47.560	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
24	47.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
25	47.060	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
26	46.810	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
27	46.560	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
28	46.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
29	46.060	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
30	45.810	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
31	45.560	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
32	45.310	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 5 B. FORDOCHE-BGT 3

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
33	UPR RCH	0.05714	18.81	0.00	1.00	0.00	5.10	12.92	0.00	14.42	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
33	WSTLD	0.02830	18.81	0.00	0.00	0.00	8.38	12.26	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
33	45.31	45.11	0.08544	66.9	0.00267	0.88	68.44	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.002	0.003
34	45.11	44.91	0.08544	66.9	0.00267	0.88	69.32	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.002	0.003

35	44.91	44.70	0.08544	66.9	0.00267	0.88	70.20	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.002	0.003
36	44.70	44.50	0.08544	66.9	0.00267	0.88	71.07	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.002	0.003
37	44.50	44.30	0.08544	66.9	0.00267	0.88	71.95	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.002	0.003
TOT						4.38				32336.76	38178.00					
AVG					0.0027			0.85	37.80			32.02				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
33	45.108	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.30	2.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
34	44.906	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.30	2.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
35	44.704	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.30	2.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
36	44.502	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.30	2.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
37	44.300	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.30	2.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.83	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.47			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
33	45.108	18.81	0.00	1.00	0.00	5.76	12.52	0.00	14.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
34	44.906	18.81	0.00	1.00	0.00	5.51	12.36	0.00	13.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
35	44.704	18.81	0.00	1.00	0.00	5.38	12.22	0.00	13.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
36	44.502	18.81	0.00	1.00	0.00	5.31	12.09	0.00	13.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
37	44.300	18.81	0.00	1.00	0.00	5.27	11.98	0.00	13.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
33	45.108	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
34	44.906	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
35	44.704	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
36	44.502	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
37	44.300	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow — LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 6 BGT 3-BGT 3A — Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
38	UPR RCH	0.08544	18.81	0.00	1.00	0.00	5.27	11.98	0.00	13.48	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
46	WSTLD	0.00039	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
38	44.30	44.15	0.08544	66.9	0.00267	0.63	72.58	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
39	44.15	44.01	0.08544	66.9	0.00267	0.63	73.21	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
40	44.01	43.86	0.08544	66.9	0.00267	0.63	73.84	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
41	43.86	43.72	0.08544	66.9	0.00267	0.63	74.46	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
42	43.72	43.57	0.08544	66.9	0.00267	0.63	75.09	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
43	43.57	43.43	0.08544	66.9	0.00267	0.63	75.72	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
44	43.43	43.28	0.08544	66.9	0.00267	0.63	76.35	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
45	43.28	43.14	0.08544	66.9	0.00267	0.63	76.98	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
46	43.14	42.99	0.08583	67.0	0.00268	0.63	77.61	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
47	42.99	42.85	0.08583	67.0	0.00268	0.63	78.23	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.002	0.003
TOT						6.28				46424.07	54810.00					
AVG					0.0027			0.85	37.80			32.02				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
38	44.155	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
39	44.010	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
40	43.865	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
41	43.720	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
42	43.575	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
43	43.430	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
44	43.285	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
45	43.140	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

46	42.995	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
47	42.850	9.31	0.81	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.83	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.23			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
38	44.155	18.81	0.00	1.00	0.00	5.36	12.42	0.00	13.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
39	44.010	18.81	0.00	1.00	0.00	5.40	12.83	0.00	14.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
40	43.865	18.81	0.00	1.00	0.00	5.41	13.20	0.00	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
41	43.720	18.81	0.00	1.00	0.00	5.41	13.55	0.00	15.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
42	43.575	18.81	0.00	1.00	0.00	5.40	13.87	0.00	15.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
43	43.430	18.81	0.00	1.00	0.00	5.38	14.16	0.00	15.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
44	43.285	18.81	0.00	1.00	0.00	5.36	14.43	0.00	15.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
45	43.140	18.81	0.00	1.00	0.00	5.33	14.68	0.00	16.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
46	42.995	18.81	0.00	1.00	0.00	5.28	15.40	0.00	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
47	42.850	18.81	0.00	1.00	0.00	5.25	15.57	0.00	17.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
38	44.155	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
39	44.010	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
40	43.865	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
41	43.720	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
42	43.575	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
43	43.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
44	43.285	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
45	43.140	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
46	42.995	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
47	42.850	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 7 BGT 3A-BGT 3B

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
48	UPR RCH	0.08583	18.81	0.00	1.00	0.00	5.25	15.57	0.00	17.07	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
48	DAM	Livonia Weir ADDS 1.53 MG/L DISSOLVED OXYGEN GIVING 6.78 MG/L D.O. FOR THE UPR RCH INPUT																

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
48	42.85	42.84	0.08583	67.0	0.00268	0.04	78.28	0.85	37.80	320.17	378.00	32.02	0.00	0.000	0.002	0.003
TOT						0.04				320.17	378.00					
AVG					0.0027			0.85	37.80			32.02				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
48	42.840	9.31	0.81	0.09	0.05	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	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.83	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.91			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
48	42.840	18.81	0.00	1.00	0.00	6.73	15.47	0.00	16.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
48	42.840	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 8 BGT 3B-BGT 4

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
49	UPR RCH	0.08583	18.81	0.00	1.00	0.00	6.73	15.47	0.00	16.97	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
69	WSTLD	0.00050	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
49	42.84	42.68	0.08583	67.0	0.00599	0.32	78.59	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
50	42.68	42.51	0.08583	67.0	0.00599	0.32	78.91	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
51	42.51	42.35	0.08583	67.0	0.00599	0.32	79.23	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
52	42.35	42.18	0.08583	67.0	0.00599	0.32	79.54	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
53	42.18	42.02	0.08583	67.0	0.00599	0.32	79.86	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
54	42.02	41.85	0.08583	67.0	0.00599	0.32	80.18	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
55	41.85	41.69	0.08583	67.0	0.00599	0.32	80.50	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
56	41.69	41.53	0.08583	67.0	0.00599	0.32	80.81	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
57	41.53	41.36	0.08583	67.0	0.00599	0.32	81.13	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
58	41.36	41.20	0.08583	67.0	0.00599	0.32	81.45	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
59	41.20	41.03	0.08583	67.0	0.00599	0.32	81.77	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
60	41.03	40.87	0.08583	67.0	0.00599	0.32	82.08	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
61	40.87	40.71	0.08583	67.0	0.00599	0.32	82.40	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
62	40.71	40.54	0.08583	67.0	0.00599	0.32	82.72	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
63	40.54	40.38	0.08583	67.0	0.00599	0.32	83.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
64	40.38	40.21	0.08583	67.0	0.00599	0.32	83.35	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
65	40.21	40.05	0.08583	67.0	0.00599	0.32	83.67	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
66	40.05	39.88	0.08583	67.0	0.00599	0.32	83.99	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
67	39.88	39.72	0.08583	67.0	0.00599	0.32	84.30	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
68	39.72	39.56	0.08583	67.0	0.00599	0.32	84.62	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
69	39.56	39.39	0.08633	67.2	0.00602	0.32	84.94	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
70	39.39	39.23	0.08633	67.2	0.00602	0.32	85.25	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
71	39.23	39.06	0.08633	67.2	0.00602	0.32	85.57	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
72	39.06	38.90	0.08633	67.2	0.00602	0.32	85.88	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
73	38.90	38.74	0.08633	67.2	0.00602	0.32	86.20	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
74	38.74	38.57	0.08633	67.2	0.00602	0.32	86.51	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
75	38.57	38.41	0.08633	67.2	0.00602	0.32	86.83	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
76	38.41	38.24	0.08633	67.2	0.00602	0.32	87.15	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006

77	38.24	38.08	0.08633	67.2	0.00602	0.32	87.46	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
78	38.08	37.91	0.08633	67.2	0.00602	0.32	87.78	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
79	37.91	37.75	0.08633	67.2	0.00602	0.32	88.09	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
80	37.75	37.59	0.08633	67.2	0.00602	0.32	88.41	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
81	37.59	37.42	0.08633	67.2	0.00602	0.32	88.72	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
82	37.42	37.26	0.08633	67.2	0.00602	0.32	89.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
83	37.26	37.09	0.08633	67.2	0.00602	0.32	89.35	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
84	37.09	36.93	0.08633	67.2	0.00602	0.32	89.67	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
85	36.93	36.76	0.08633	67.2	0.00602	0.32	89.98	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
86	36.76	36.60	0.08633	67.2	0.00602	0.32	90.30	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
87	36.60	36.44	0.08633	67.2	0.00602	0.32	90.62	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
88	36.44	36.27	0.08633	67.2	0.00602	0.32	90.93	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
89	36.27	36.11	0.08633	67.2	0.00602	0.32	91.25	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
90	36.11	35.94	0.08633	67.2	0.00602	0.32	91.56	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
91	35.94	35.78	0.08633	67.2	0.00602	0.32	91.88	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
92	35.78	35.62	0.08633	67.2	0.00602	0.32	92.19	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
93	35.62	35.45	0.08633	67.2	0.00602	0.32	92.51	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
94	35.45	35.29	0.08633	67.2	0.00602	0.32	92.82	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
95	35.29	35.12	0.08633	67.2	0.00602	0.32	93.14	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
96	35.12	34.96	0.08633	67.2	0.00602	0.32	93.45	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
97	34.96	34.79	0.08633	67.2	0.00602	0.32	93.77	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
98	34.79	34.63	0.08633	67.2	0.00602	0.32	94.09	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.003	0.006
TOT						15.81				117649.32	186449.16					
AVG					0.0060			0.63	22.71			14.33				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
49	42.676	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
50	42.512	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
51	42.347	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
52	42.183	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
53	42.019	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
54	41.855	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
55	41.691	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
56	41.526	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
57	41.362	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
58	41.198	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
59	41.034	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
60	40.870	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
61	40.705	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
62	40.541	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
63	40.377	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
64	40.213	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
65	40.049	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
66	39.884	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

67	39.720	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
68	39.556	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
69	39.392	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
70	39.228	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
71	39.063	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
72	38.899	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
73	38.735	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
74	38.571	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
75	38.407	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
76	38.242	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
77	38.078	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
78	37.914	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
79	37.750	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
80	37.586	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
81	37.421	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
82	37.257	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
83	37.093	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
84	36.929	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
85	36.765	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
86	36.600	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
87	36.436	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
88	36.272	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
89	36.108	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
90	35.944	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
91	35.779	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
92	35.615	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
93	35.451	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
94	35.287	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
95	35.123	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
96	34.958	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
97	34.794	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
98	34.630	9.31	1.16	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.19	0.10	0.05	0.00	0.00	0.00	0.00	0.00	2.27			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
49	42.676	18.81	0.00	1.00	0.00	6.41	15.25	0.00	16.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
50	42.512	18.81	0.00	1.00	0.00	6.18	15.03	0.00	16.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
51	42.347	18.81	0.00	1.00	0.00	6.02	14.82	0.00	16.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
52	42.183	18.81	0.00	1.00	0.00	5.91	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
53	42.019	18.81	0.00	1.00	0.00	5.83	14.44	0.00	15.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
54	41.855	18.81	0.00	1.00	0.00	5.77	14.26	0.00	15.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
55	41.691	18.81	0.00	1.00	0.00	5.74	14.08	0.00	15.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
56	41.526	18.81	0.00	1.00	0.00	5.72	13.92	0.00	15.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

57	41.362	18.81	0.00	1.00	0.00	5.70	13.76	0.00	15.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
58	41.198	18.81	0.00	1.00	0.00	5.70	13.61	0.00	15.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
59	41.034	18.81	0.00	1.00	0.00	5.70	13.47	0.00	14.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
60	40.870	18.81	0.00	1.00	0.00	5.70	13.33	0.00	14.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
61	40.705	18.81	0.00	1.00	0.00	5.70	13.20	0.00	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
62	40.541	18.81	0.00	1.00	0.00	5.71	13.07	0.00	14.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
63	40.377	18.81	0.00	1.00	0.00	5.72	12.95	0.00	14.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
64	40.213	18.81	0.00	1.00	0.00	5.73	12.84	0.00	14.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
65	40.049	18.81	0.00	1.00	0.00	5.73	12.73	0.00	14.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
66	39.884	18.81	0.00	1.00	0.00	5.74	12.63	0.00	14.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
67	39.720	18.81	0.00	1.00	0.00	5.75	12.53	0.00	14.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
68	39.556	18.81	0.00	1.00	0.00	5.76	12.43	0.00	13.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
69	39.392	18.81	0.00	1.00	0.00	5.74	13.01	0.00	14.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
70	39.228	18.81	0.00	1.00	0.00	5.74	12.89	0.00	14.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
71	39.063	18.81	0.00	1.00	0.00	5.74	12.78	0.00	14.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
72	38.899	18.81	0.00	1.00	0.00	5.75	12.68	0.00	14.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
73	38.735	18.81	0.00	1.00	0.00	5.76	12.58	0.00	14.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
74	38.571	18.81	0.00	1.00	0.00	5.76	12.48	0.00	13.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
75	38.407	18.81	0.00	1.00	0.00	5.77	12.39	0.00	13.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
76	38.242	18.81	0.00	1.00	0.00	5.78	12.30	0.00	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
77	38.078	18.81	0.00	1.00	0.00	5.78	12.21	0.00	13.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
78	37.914	18.81	0.00	1.00	0.00	5.79	12.13	0.00	13.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
79	37.750	18.81	0.00	1.00	0.00	5.80	12.06	0.00	13.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
80	37.586	18.81	0.00	1.00	0.00	5.80	11.98	0.00	13.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
81	37.421	18.81	0.00	1.00	0.00	5.81	11.91	0.00	13.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
82	37.257	18.81	0.00	1.00	0.00	5.82	11.84	0.00	13.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
83	37.093	18.81	0.00	1.00	0.00	5.82	11.78	0.00	13.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
84	36.929	18.81	0.00	1.00	0.00	5.83	11.72	0.00	13.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
85	36.765	18.81	0.00	1.00	0.00	5.84	11.66	0.00	13.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
86	36.600	18.81	0.00	1.00	0.00	5.84	11.60	0.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
87	36.436	18.81	0.00	1.00	0.00	5.85	11.55	0.00	13.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
88	36.272	18.81	0.00	1.00	0.00	5.85	11.50	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
89	36.108	18.81	0.00	1.00	0.00	5.86	11.45	0.00	12.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
90	35.944	18.81	0.00	1.00	0.00	5.86	11.40	0.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
91	35.779	18.81	0.00	1.00	0.00	5.86	11.36	0.00	12.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
92	35.615	18.81	0.00	1.00	0.00	5.87	11.32	0.00	12.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
93	35.451	18.81	0.00	1.00	0.00	5.87	11.28	0.00	12.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
94	35.287	18.81	0.00	1.00	0.00	5.88	11.24	0.00	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
95	35.123	18.81	0.00	1.00	0.00	5.88	11.20	0.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
96	34.958	18.81	0.00	1.00	0.00	5.88	11.17	0.00	12.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
97	34.794	18.81	0.00	1.00	0.00	5.89	11.13	0.00	12.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
98	34.630	18.81	0.00	1.00	0.00	5.89	11.10	0.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
49	42.676	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

50	42.512	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
51	42.347	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
52	42.183	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
53	42.019	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
54	41.855	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
55	41.691	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
56	41.526	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
57	41.362	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
58	41.198	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
59	41.034	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
60	40.870	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
61	40.705	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
62	40.541	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
63	40.377	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
64	40.213	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
65	40.049	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
66	39.884	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
67	39.720	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
68	39.556	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
69	39.392	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
70	39.228	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
71	39.063	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
72	38.899	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
73	38.735	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
74	38.571	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
75	38.407	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
76	38.242	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
77	38.078	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
78	37.914	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
79	37.750	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
80	37.586	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
81	37.421	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
82	37.257	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
83	37.093	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
84	36.929	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
85	36.765	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
86	36.600	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
87	36.436	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
88	36.272	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
89	36.108	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
90	35.944	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
91	35.779	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
92	35.615	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
93	35.451	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
94	35.287	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
95	35.123	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
96	34.958	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
97	34.794	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
98	34.630	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow — LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 9 BGT 4-BGT 5 — Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
99	UPR RCH	0.08633	18.81	0.00	1.00	0.00	5.89	11.10	0.00	12.60	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
111	WSTLD	0.00822	0.00	0.00	0.00	0.00	2.00	44.50	0.00	44.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	WSTLD	0.00085	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
99	34.63	34.44	0.08633	67.2	0.00325	0.69	94.78	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
100	34.44	34.24	0.08633	67.2	0.00325	0.69	95.47	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
101	34.24	34.05	0.08633	67.2	0.00325	0.69	96.16	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
102	34.05	33.86	0.08633	67.2	0.00325	0.69	96.85	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
103	33.86	33.66	0.08633	67.2	0.00325	0.69	97.54	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
104	33.66	33.47	0.08633	67.2	0.00325	0.69	98.23	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
105	33.47	33.27	0.08633	67.2	0.00325	0.69	98.92	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
106	33.27	33.08	0.08633	67.2	0.00325	0.69	99.61	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
107	33.08	32.89	0.08633	67.2	0.00325	0.69	100.30	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
108	32.89	32.69	0.08633	67.2	0.00325	0.69	100.99	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
109	32.69	32.50	0.08633	67.2	0.00325	0.69	101.68	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
110	32.50	32.31	0.08633	67.2	0.00325	0.69	102.37	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.003
111	32.31	32.11	0.09455	70.1	0.00355	0.63	103.00	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
112	32.11	31.92	0.09455	70.1	0.00355	0.63	103.63	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
113	31.92	31.73	0.09455	70.1	0.00355	0.63	104.26	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
114	31.73	31.53	0.09455	70.1	0.00355	0.63	104.89	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
115	31.53	31.34	0.09455	70.1	0.00355	0.63	105.52	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
116	31.34	31.15	0.09455	70.1	0.00355	0.63	106.15	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
117	31.15	30.95	0.09455	70.1	0.00355	0.63	106.78	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
118	30.95	30.76	0.09455	70.1	0.00355	0.63	107.41	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
119	30.76	30.56	0.09455	70.1	0.00355	0.63	108.04	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
120	30.56	30.37	0.09455	70.1	0.00355	0.63	108.67	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
121	30.37	30.18	0.09455	70.1	0.00355	0.63	109.30	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
122	30.18	29.98	0.09455	70.1	0.00355	0.63	109.93	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
123	29.98	29.79	0.09455	70.1	0.00355	0.63	110.56	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
124	29.79	29.60	0.09455	70.1	0.00355	0.63	111.19	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
125	29.60	29.40	0.09455	70.1	0.00355	0.63	111.82	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004

126	29.40	29.21	0.09455	70.1	0.00355	0.63	112.45	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
127	29.21	29.02	0.09455	70.1	0.00355	0.63	113.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
128	29.02	28.82	0.09455	70.1	0.00355	0.63	113.71	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
129	28.82	28.63	0.09455	70.1	0.00355	0.63	114.35	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
130	28.63	28.43	0.09540	70.3	0.00359	0.62	114.97	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
131	28.43	28.24	0.09540	70.3	0.00359	0.62	115.59	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
132	28.24	28.05	0.09540	70.3	0.00359	0.62	116.22	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
133	28.05	27.85	0.09540	70.3	0.00359	0.62	116.84	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
134	27.85	27.66	0.09540	70.3	0.00359	0.62	117.47	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
135	27.66	27.47	0.09540	70.3	0.00359	0.62	118.09	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
136	27.47	27.27	0.09540	70.3	0.00359	0.62	118.72	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
137	27.27	27.08	0.09540	70.3	0.00359	0.62	119.34	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
138	27.08	26.89	0.09540	70.3	0.00359	0.62	119.97	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
139	26.89	26.69	0.09540	70.3	0.00359	0.62	120.59	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
140	26.69	26.50	0.09540	70.3	0.00359	0.62	121.22	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
141	26.50	26.31	0.09540	70.3	0.00359	0.62	121.84	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
142	26.31	26.11	0.09540	70.3	0.00359	0.62	122.47	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
143	26.11	25.92	0.09540	70.3	0.00359	0.62	123.09	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
144	25.92	25.72	0.09540	70.3	0.00359	0.62	123.72	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
145	25.72	25.53	0.09540	70.3	0.00359	0.62	124.34	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
146	25.53	25.34	0.09540	70.3	0.00359	0.62	124.97	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
147	25.34	25.14	0.09540	70.3	0.00359	0.62	125.59	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
148	25.14	24.95	0.09540	70.3	0.00359	0.62	126.21	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.003	0.004
TOT						32.13				257454.88	200666.41					
AVG					0.0035			1.28	20.73			26.60				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
99	34.436	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
100	34.243	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
101	34.049	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
102	33.856	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
103	33.662	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
104	33.468	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
105	33.275	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
106	33.081	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
107	32.888	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
108	32.694	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
109	32.500	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
110	32.307	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
111	32.113	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
112	31.920	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
113	31.726	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
114	31.532	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
115	31.339	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

116	31.145	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
117	30.952	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
118	30.758	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
119	30.564	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
120	30.371	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
121	30.177	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
122	29.984	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
123	29.790	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
124	29.596	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
125	29.403	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
126	29.209	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
127	29.016	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
128	28.822	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
129	28.628	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
130	28.435	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
131	28.241	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
132	28.048	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
133	27.854	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
134	27.660	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
135	27.467	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
136	27.273	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
137	27.080	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
138	26.886	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
139	26.692	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
140	26.499	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
141	26.305	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
142	26.112	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
143	25.918	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
144	25.724	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
145	25.531	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
146	25.337	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
147	25.144	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
148	24.950	9.31	0.53	0.10	0.05	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.55	0.11	0.05	0.00	0.00	0.00	0.00	0.00	1.52			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
99	34.436	18.81	0.00	1.00	0.00	5.94	11.05	0.00	12.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
100	34.243	18.81	0.00	1.00	0.00	5.97	11.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
101	34.049	18.81	0.00	1.00	0.00	6.00	10.96	0.00	12.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
102	33.856	18.81	0.00	1.00	0.00	6.02	10.92	0.00	12.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
103	33.662	18.81	0.00	1.00	0.00	6.04	10.89	0.00	12.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
104	33.468	18.81	0.00	1.00	0.00	6.05	10.86	0.00	12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
105	33.275	18.81	0.00	1.00	0.00	6.07	10.83	0.00	12.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

106	33.081	18.81	0.00	1.00	0.00	6.08	10.80	0.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
107	32.888	18.81	0.00	1.00	0.00	6.08	10.78	0.00	12.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
108	32.694	18.81	0.00	1.00	0.00	6.09	10.76	0.00	12.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
109	32.500	18.81	0.00	1.00	0.00	6.10	10.74	0.00	12.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
110	32.307	18.81	0.00	1.00	0.00	6.10	10.73	0.00	12.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
111	32.113	18.81	0.00	1.00	0.00	5.71	13.39	0.00	14.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
112	31.920	18.81	0.00	1.00	0.00	5.70	13.15	0.00	14.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
113	31.726	18.81	0.00	1.00	0.00	5.70	12.92	0.00	14.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
114	31.532	18.81	0.00	1.00	0.00	5.71	12.72	0.00	14.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
115	31.339	18.81	0.00	1.00	0.00	5.73	12.54	0.00	14.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
116	31.145	18.81	0.00	1.00	0.00	5.75	12.37	0.00	13.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
117	30.952	18.81	0.00	1.00	0.00	5.77	12.21	0.00	13.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
118	30.758	18.81	0.00	1.00	0.00	5.80	12.07	0.00	13.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
119	30.564	18.81	0.00	1.00	0.00	5.82	11.94	0.00	13.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
120	30.371	18.81	0.00	1.00	0.00	5.84	11.82	0.00	13.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
121	30.177	18.81	0.00	1.00	0.00	5.87	11.71	0.00	13.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
122	29.984	18.81	0.00	1.00	0.00	5.89	11.61	0.00	13.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
123	29.790	18.81	0.00	1.00	0.00	5.91	11.52	0.00	13.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
124	29.596	18.81	0.00	1.00	0.00	5.93	11.44	0.00	12.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
125	29.403	18.81	0.00	1.00	0.00	5.95	11.36	0.00	12.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
126	29.209	18.81	0.00	1.00	0.00	5.96	11.29	0.00	12.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
127	29.016	18.81	0.00	1.00	0.00	5.98	11.23	0.00	12.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
128	28.822	18.81	0.00	1.00	0.00	5.99	11.17	0.00	12.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
129	28.628	18.81	0.00	1.00	0.00	6.00	11.12	0.00	12.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
130	28.435	18.81	0.00	1.00	0.00	5.94	12.07	0.00	13.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
131	28.241	18.81	0.00	1.00	0.00	5.93	11.94	0.00	13.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
132	28.048	18.81	0.00	1.00	0.00	5.93	11.82	0.00	13.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
133	27.854	18.81	0.00	1.00	0.00	5.93	11.71	0.00	13.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
134	27.660	18.81	0.00	1.00	0.00	5.93	11.61	0.00	13.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
135	27.467	18.81	0.00	1.00	0.00	5.94	11.52	0.00	13.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
136	27.273	18.81	0.00	1.00	0.00	5.95	11.44	0.00	12.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
137	27.080	18.81	0.00	1.00	0.00	5.96	11.37	0.00	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
138	26.886	18.81	0.00	1.00	0.00	5.98	11.30	0.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
139	26.692	18.81	0.00	1.00	0.00	5.99	11.23	0.00	12.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
140	26.499	18.81	0.00	1.00	0.00	6.00	11.18	0.00	12.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
141	26.305	18.81	0.00	1.00	0.00	6.01	11.12	0.00	12.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
142	26.112	18.81	0.00	1.00	0.00	6.02	11.07	0.00	12.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
143	25.918	18.81	0.00	1.00	0.00	6.03	11.03	0.00	12.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
144	25.724	18.81	0.00	1.00	0.00	6.04	10.99	0.00	12.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
145	25.531	18.81	0.00	1.00	0.00	6.05	10.95	0.00	12.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
146	25.337	18.81	0.00	1.00	0.00	6.06	10.92	0.00	12.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
147	25.144	18.81	0.00	1.00	0.00	6.07	10.89	0.00	12.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
148	24.950	18.81	0.00	1.00	0.00	6.07	10.86	0.00	12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²

99	34.436	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
100	34.243	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
101	34.049	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
102	33.856	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
103	33.662	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
104	33.468	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
105	33.275	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
106	33.081	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
107	32.888	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
108	32.694	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
109	32.500	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
110	32.307	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
111	32.113	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
112	31.920	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
113	31.726	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
114	31.532	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
115	31.339	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
116	31.145	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
117	30.952	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
118	30.758	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
119	30.564	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
120	30.371	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
121	30.177	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
122	29.984	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
123	29.790	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
124	29.596	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
125	29.403	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
126	29.209	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
127	29.016	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
128	28.822	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
129	28.628	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
130	28.435	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
131	28.241	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
132	28.048	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
133	27.854	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
134	27.660	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
135	27.467	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
136	27.273	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
137	27.080	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
138	26.886	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
139	26.692	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
140	26.499	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
141	26.305	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
142	26.112	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
143	25.918	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
144	25.724	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
145	25.531	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
146	25.337	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
147	25.144	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
148	24.950	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 10 BGT 5-BGT 6 Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
149	UPR RCH	0.09540	18.81	0.00	1.00	0.00	6.07	10.86	0.00	12.36	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
163	WSTLD	0.00067	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	WSTLD	0.00006	0.00	0.00	0.00	0.00	2.00	133.50	0.00	133.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
149	24.95	24.73	0.09540	70.3	0.00310	0.83	127.04	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
150	24.73	24.51	0.09540	70.3	0.00310	0.83	127.87	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
151	24.51	24.29	0.09540	70.3	0.00310	0.83	128.69	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
152	24.29	24.07	0.09540	70.3	0.00310	0.83	129.52	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
153	24.07	23.84	0.09540	70.3	0.00310	0.83	130.34	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
154	23.84	23.62	0.09540	70.3	0.00310	0.83	131.17	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
155	23.62	23.40	0.09540	70.3	0.00310	0.83	132.00	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
156	23.40	23.18	0.09540	70.3	0.00310	0.83	132.82	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
157	23.18	22.96	0.09540	70.3	0.00310	0.83	133.65	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
158	22.96	22.74	0.09540	70.3	0.00310	0.83	134.47	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
159	22.74	22.52	0.09540	70.3	0.00310	0.83	135.30	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
160	22.52	22.30	0.09540	70.3	0.00310	0.83	136.12	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
161	22.30	22.08	0.09540	70.3	0.00310	0.83	136.95	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
162	22.08	21.86	0.09540	70.3	0.00310	0.83	137.78	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
163	21.86	21.63	0.09607	70.5	0.00312	0.82	138.60	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
164	21.63	21.41	0.09607	70.5	0.00312	0.82	139.42	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
165	21.41	21.19	0.09607	70.5	0.00312	0.82	140.24	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
166	21.19	20.97	0.09607	70.5	0.00312	0.82	141.06	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
167	20.97	20.75	0.09613	70.6	0.00312	0.82	141.88	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
168	20.75	20.53	0.09613	70.6	0.00312	0.82	142.70	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
169	20.53	20.31	0.09613	70.6	0.00312	0.82	143.51	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
170	20.31	20.09	0.09613	70.6	0.00312	0.82	144.33	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
171	20.09	19.87	0.09613	70.6	0.00312	0.82	145.15	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
172	19.87	19.65	0.09613	70.6	0.00312	0.82	145.97	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
173	19.65	19.42	0.09613	70.6	0.00312	0.82	146.79	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003
174	19.42	19.20	0.09613	70.6	0.00312	0.82	147.61	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003

175	19.20	18.98	0.09613	70.6	0.00312	0.82	148.43	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
176	18.98	18.76	0.09613	70.6	0.00312	0.82	149.25	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
177	18.76	18.54	0.09613	70.6	0.00312	0.82	150.07	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
178	18.54	18.32	0.09613	70.6	0.00312	0.82	150.89	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
179	18.32	18.10	0.09613	70.6	0.00312	0.82	151.71	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
180	18.10	17.88	0.09613	70.6	0.00312	0.82	152.53	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
181	17.88	17.66	0.09613	70.6	0.00312	0.82	153.35	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
182	17.66	17.44	0.09613	70.6	0.00312	0.82	154.17	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
183	17.44	17.21	0.09613	70.6	0.00312	0.82	154.99	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
184	17.21	16.99	0.09613	70.6	0.00312	0.82	155.81	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
185	16.99	16.77	0.09613	70.6	0.00312	0.82	156.63	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
186	16.77	16.55	0.09613	70.6	0.00312	0.82	157.45	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
187	16.55	16.33	0.09613	70.6	0.00312	0.82	158.27	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
188	16.33	16.11	0.09613	70.6	0.00312	0.82	159.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
189	16.11	15.89	0.09613	70.6	0.00312	0.82	159.91	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
190	15.89	15.67	0.09613	70.6	0.00312	0.82	160.72	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
191	15.67	15.45	0.09613	70.6	0.00312	0.82	161.54	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
192	15.45	15.23	0.09613	70.6	0.00312	0.82	162.36	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
193	15.23	15.00	0.09613	70.6	0.00312	0.82	163.18	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
194	15.00	14.78	0.09613	70.6	0.00312	0.82	164.00	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
195	14.78	14.56	0.09613	70.6	0.00312	0.82	164.82	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
196	14.56	14.34	0.09613	70.6	0.00312	0.82	165.64	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
197	14.34	14.12	0.09613	70.6	0.00312	0.82	166.46	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
198	14.12	13.90	0.09613	70.6	0.00312	0.82	167.28	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.003	0.003	
TOT						41.07				340340.06	243100.00						
AVG					0.0031			1.40	22.00			30.80					

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
149	24.729	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
150	24.508	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
151	24.287	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
152	24.066	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
153	23.845	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
154	23.624	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
155	23.403	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
156	23.182	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
157	22.961	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
158	22.740	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
159	22.519	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
160	22.298	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
161	22.077	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
162	21.856	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
163	21.635	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
164	21.414	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

165	21.193	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
166	20.972	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
167	20.751	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
168	20.530	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
169	20.309	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
170	20.088	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
171	19.867	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
172	19.646	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
173	19.425	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
174	19.204	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
175	18.983	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
176	18.762	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
177	18.541	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
178	18.320	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
179	18.099	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
180	17.878	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
181	17.657	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
182	17.436	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
183	17.215	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
184	16.994	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
185	16.773	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
186	16.552	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
187	16.331	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
188	16.110	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
189	15.889	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
190	15.668	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
191	15.447	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
192	15.226	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
193	15.005	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
194	14.784	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
195	14.563	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
196	14.342	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
197	14.121	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
198	13.900	9.31	0.49	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.50	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.89			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
149	24.729	18.81	0.00	1.00	0.00	6.31	11.25	0.00	12.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
150	24.508	18.81	0.00	1.00	0.00	6.47	11.61	0.00	13.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
151	24.287	18.81	0.00	1.00	0.00	6.56	11.92	0.00	13.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
152	24.066	18.81	0.00	1.00	0.00	6.61	12.21	0.00	13.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
153	23.845	18.81	0.00	1.00	0.00	6.63	12.46	0.00	13.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
154	23.624	18.81	0.00	1.00	0.00	6.63	12.69	0.00	14.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

155	23.403	18.81	0.00	1.00	0.00	6.62	12.89	0.00	14.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
156	23.182	18.81	0.00	1.00	0.00	6.61	13.07	0.00	14.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
157	22.961	18.81	0.00	1.00	0.00	6.59	13.23	0.00	14.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
158	22.740	18.81	0.00	1.00	0.00	6.56	13.38	0.00	14.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
159	22.519	18.81	0.00	1.00	0.00	6.54	13.51	0.00	15.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
160	22.298	18.81	0.00	1.00	0.00	6.52	13.62	0.00	15.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
161	22.077	18.81	0.00	1.00	0.00	6.49	13.73	0.00	15.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
162	21.856	18.81	0.00	1.00	0.00	6.47	13.82	0.00	15.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
163	21.635	18.81	0.00	1.00	0.00	6.39	14.65	0.00	16.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
164	21.414	18.81	0.00	1.00	0.00	6.35	14.65	0.00	16.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
165	21.193	18.81	0.00	1.00	0.00	6.33	14.64	0.00	16.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
166	20.972	18.81	0.00	1.00	0.00	6.31	14.64	0.00	16.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
167	20.751	18.81	0.00	1.00	0.00	6.29	14.70	0.00	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
168	20.530	18.81	0.00	1.00	0.00	6.28	14.69	0.00	16.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
169	20.309	18.81	0.00	1.00	0.00	6.27	14.69	0.00	16.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
170	20.088	18.81	0.00	1.00	0.00	6.27	14.68	0.00	16.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
171	19.867	18.81	0.00	1.00	0.00	6.27	14.67	0.00	16.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
172	19.646	18.81	0.00	1.00	0.00	6.26	14.66	0.00	16.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
173	19.425	18.81	0.00	1.00	0.00	6.26	14.66	0.00	16.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
174	19.204	18.81	0.00	1.00	0.00	6.26	14.65	0.00	16.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
175	18.983	18.81	0.00	1.00	0.00	6.26	14.65	0.00	16.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
176	18.762	18.81	0.00	1.00	0.00	6.26	14.65	0.00	16.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
177	18.541	18.81	0.00	1.00	0.00	6.26	14.64	0.00	16.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
178	18.320	18.81	0.00	1.00	0.00	6.26	14.64	0.00	16.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
179	18.099	18.81	0.00	1.00	0.00	6.26	14.64	0.00	16.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
180	17.878	18.81	0.00	1.00	0.00	6.26	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
181	17.657	18.81	0.00	1.00	0.00	6.26	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
182	17.436	18.81	0.00	1.00	0.00	6.26	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
183	17.215	18.81	0.00	1.00	0.00	6.26	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
184	16.994	18.81	0.00	1.00	0.00	6.27	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
185	16.773	18.81	0.00	1.00	0.00	6.27	14.63	0.00	16.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
186	16.552	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
187	16.331	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
188	16.110	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
189	15.889	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
190	15.668	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
191	15.447	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
192	15.226	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
193	15.005	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
194	14.784	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
195	14.563	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
196	14.342	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
197	14.121	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
198	13.900	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM	ENDING	BANK	SECCHI	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT	PHYT		PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	PERI	
NO.	DIST	SHADE	DEPTH	N	LIT	N	P	N&P	TOT	GROW	RESP	DEATH	SETT	P/R	PHYTO	N	LIT	N	P	N&P	SPC	TOT	GROW	RESP	DEATH	P/R	PERIP
		frac	m	PREF	LIM	LIM	LIM	LIM	LIM	1/da	1/da	1/da	1/da	RATIO	µg/L	PREF	LIM	LIM	LIM	LIM	LIM	LIM	1/da	1/da	1/da	RATIO	g/m²

149	24.729	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
150	24.508	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
151	24.287	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
152	24.066	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
153	23.845	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
154	23.624	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
155	23.403	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
156	23.182	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
157	22.961	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
158	22.740	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
159	22.519	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
160	22.298	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
161	22.077	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
162	21.856	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
163	21.635	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
164	21.414	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
165	21.193	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
166	20.972	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
167	20.751	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
168	20.530	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
169	20.309	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
170	20.088	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
171	19.867	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
172	19.646	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
173	19.425	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
174	19.204	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
175	18.983	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
176	18.762	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
177	18.541	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
178	18.320	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
179	18.099	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
180	17.878	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
181	17.657	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
182	17.436	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
183	17.215	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
184	16.994	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
185	16.773	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
186	16.552	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
187	16.331	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
188	16.110	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
189	15.889	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
190	15.668	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
191	15.447	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
192	15.226	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
193	15.005	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
194	14.784	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
195	14.563	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
196	14.342	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
197	14.121	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
198	13.900	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
REACH NO. 11 BGT 6-GRAND BAYOU Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
199	UPR RCH	0.09613	18.81	0.00	1.00	0.00	6.27	14.62	0.00	16.12	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
199	13.90	13.68	0.09613	70.6	0.00267	0.96	168.24	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
200	13.68	13.46	0.09613	70.6	0.00267	0.96	169.21	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
201	13.46	13.23	0.09613	70.6	0.00267	0.96	170.17	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
202	13.23	13.01	0.09613	70.6	0.00267	0.96	171.13	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
203	13.01	12.79	0.09613	70.6	0.00267	0.96	172.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
204	12.79	12.57	0.09613	70.6	0.00267	0.96	173.05	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
205	12.57	12.35	0.09613	70.6	0.00267	0.96	174.01	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
206	12.35	12.12	0.09613	70.6	0.00267	0.96	174.98	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
207	12.12	11.90	0.09613	70.6	0.00267	0.96	175.94	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
208	11.90	11.68	0.09613	70.6	0.00267	0.96	176.90	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.003	0.003
TOT						9.62				79899.22	51415.20					
AVG					0.0027			1.55	23.16			35.99				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
199	13.678	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
200	13.456	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
201	13.234	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
202	13.012	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
203	12.790	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
204	12.568	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

205	12.346	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
206	12.124	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
207	11.902	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
208	11.680	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.89			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
199	13.678	18.81	0.00	1.00	0.00	6.25	14.78	0.00	16.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
200	13.456	18.81	0.00	1.00	0.00	6.24	14.92	0.00	16.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
201	13.234	18.81	0.00	1.00	0.00	6.22	15.05	0.00	16.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
202	13.012	18.81	0.00	1.00	0.00	6.19	15.16	0.00	16.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
203	12.790	18.81	0.00	1.00	0.00	6.17	15.26	0.00	16.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
204	12.568	18.81	0.00	1.00	0.00	6.15	15.34	0.00	16.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
205	12.346	18.81	0.00	1.00	0.00	6.14	15.42	0.00	16.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
206	12.124	18.81	0.00	1.00	0.00	6.12	15.49	0.00	16.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
207	11.902	18.81	0.00	1.00	0.00	6.10	15.55	0.00	17.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
208	11.680	18.81	0.00	1.00	0.00	6.09	15.60	0.00	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
199	13.678	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
200	13.456	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
201	13.234	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
202	13.012	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
203	12.790	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
204	12.568	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
205	12.346	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
206	12.124	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
207	11.902	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
208	11.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 12 GRAND BAYOU-CATFISH CANAL

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
209	UPR RCH	0.09613	18.81	0.00	1.00	0.00	6.09	15.60	0.00	17.10	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
209	WSTLD	0.02830	18.81	0.00	0.00	0.00	8.38	12.54	0.00	12.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
209	11.68	11.43	0.12443	77.3	0.00268	1.08	177.98	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
210	11.43	11.18	0.12443	77.3	0.00268	1.08	179.06	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
211	11.18	10.93	0.12443	77.3	0.00268	1.08	180.14	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
212	10.93	10.68	0.12443	77.3	0.00268	1.08	181.22	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
213	10.68	10.43	0.12443	77.3	0.00268	1.08	182.30	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
214	10.43	10.18	0.12443	77.3	0.00268	1.08	183.38	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
215	10.18	9.93	0.12443	77.3	0.00268	1.08	184.46	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
216	9.93	9.68	0.12443	77.3	0.00268	1.08	185.54	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
217	9.68	9.43	0.12443	77.3	0.00268	1.08	186.62	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
218	9.43	9.18	0.12443	77.3	0.00268	1.08	187.70	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
219	9.18	8.93	0.12443	77.3	0.00268	1.08	188.77	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
220	8.93	8.68	0.12443	77.3	0.00268	1.08	189.85	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
221	8.68	8.43	0.12443	77.3	0.00268	1.08	190.93	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
222	8.43	8.18	0.12443	77.3	0.00268	1.08	192.01	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
223	8.18	7.93	0.12443	77.3	0.00268	1.08	193.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.003	0.003
TOT						16.19				174067.42	112012.50					
AVG					0.0027			1.55	29.87			46.42				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
209	11.430	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
210	11.180	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
211	10.930	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
212	10.680	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
213	10.430	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
214	10.180	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
215	9.930	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
216	9.680	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

217	9.430	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
218	9.180	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
219	8.930	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
220	8.680	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
221	8.430	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
222	8.180	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
223	7.930	9.31	0.44	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	0.00	1.06			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
209	11.430	18.81	0.00	1.00	0.00	6.47	14.27	0.00	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
210	11.180	18.81	0.00	1.00	0.00	6.41	13.72	0.00	15.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
211	10.930	18.81	0.00	1.00	0.00	6.40	13.23	0.00	14.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
212	10.680	18.81	0.00	1.00	0.00	6.42	12.81	0.00	14.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
213	10.430	18.81	0.00	1.00	0.00	6.46	12.44	0.00	13.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
214	10.180	18.81	0.00	1.00	0.00	6.50	12.11	0.00	13.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
215	9.930	18.81	0.00	1.00	0.00	6.55	11.83	0.00	13.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
216	9.680	18.81	0.00	1.00	0.00	6.60	11.59	0.00	13.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
217	9.430	18.81	0.00	1.00	0.00	6.65	11.37	0.00	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
218	9.180	18.81	0.00	1.00	0.00	6.69	11.18	0.00	12.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
219	8.930	18.81	0.00	1.00	0.00	6.73	11.02	0.00	12.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
220	8.680	18.81	0.00	1.00	0.00	6.76	10.87	0.00	12.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
221	8.430	18.81	0.00	1.00	0.00	6.80	10.75	0.00	12.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
222	8.180	18.81	0.00	1.00	0.00	6.82	10.64	0.00	12.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
223	7.930	18.81	0.00	1.00	0.00	6.85	10.55	0.00	12.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
209	11.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
210	11.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
211	10.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
212	10.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
213	10.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
214	10.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
215	9.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
216	9.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
217	9.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
218	9.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

219	8.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
220	8.680	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
221	8.430	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
222	8.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
223	7.930	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 13 CATFISH CANAL-ICWW DIVERSION

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
224	UPR RCH	0.12443	18.81	0.00	1.00	0.00	6.85	10.55	0.00	12.05	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
224	WSTLD	0.02830	18.81	0.00	0.00	0.00	8.38	16.37	0.00	16.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
224	7.93	7.73	0.15273	81.5	0.00329	0.69	193.78	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
225	7.73	7.54	0.15273	81.5	0.00329	0.69	194.47	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
226	7.54	7.34	0.15273	81.5	0.00329	0.69	195.16	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
227	7.34	7.14	0.15273	81.5	0.00329	0.69	195.86	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
228	7.14	6.95	0.15273	81.5	0.00329	0.69	196.55	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
229	6.95	6.75	0.15273	81.5	0.00329	0.69	197.24	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
230	6.75	6.56	0.15273	81.5	0.00329	0.69	197.93	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
231	6.56	6.36	0.15273	81.5	0.00329	0.69	198.62	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
232	6.36	6.16	0.15273	81.5	0.00329	0.69	199.31	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
233	6.16	5.97	0.15273	81.5	0.00329	0.69	200.00	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
234	5.97	5.77	0.15273	81.5	0.00329	0.69	200.69	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
235	5.77	5.57	0.15273	81.5	0.00329	0.69	201.38	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
236	5.57	5.38	0.15273	81.5	0.00329	0.69	202.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
237	5.38	5.18	0.15273	81.5	0.00329	0.69	202.76	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
238	5.18	4.98	0.15273	81.5	0.00329	0.69	203.45	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
239	4.98	4.79	0.15273	81.5	0.00329	0.69	204.15	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
240	4.79	4.59	0.15273	81.5	0.00329	0.69	204.84	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
241	4.59	4.39	0.15273	81.5	0.00329	0.69	205.53	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
242	4.39	4.20	0.15273	81.5	0.00329	0.69	206.22	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
243	4.20	4.00	0.15273	81.5	0.00329	0.69	206.91	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003
244	4.00	3.81	0.15273	81.5	0.00329	0.69	207.60	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003

245	3.81	3.61	0.15273	81.5	0.00329	0.69	208.29	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003	
246	3.61	3.41	0.15273	81.5	0.00329	0.69	208.98	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003	
247	3.41	3.22	0.15273	81.5	0.00329	0.69	209.67	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003	
248	3.22	3.02	0.15273	81.5	0.00329	0.69	210.36	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.003	0.003	
TOT						17.27				227912.38	146661.70						
AVG					0.0033			1.55	29.87			46.42					

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
224	7.734	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
225	7.537	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
226	7.341	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
227	7.144	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
228	6.948	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
229	6.752	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
230	6.555	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
231	6.359	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
232	6.162	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
233	5.966	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
234	5.770	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
235	5.573	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
236	5.377	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
237	5.180	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
238	4.984	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
239	4.788	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
240	4.591	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
241	4.395	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
242	4.198	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
243	4.002	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
244	3.806	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
245	3.609	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
246	3.413	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
247	3.216	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
248	3.020	9.31	0.44	0.08	0.05	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	0.00	1.12			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM

224	7.734	18.81	0.00	1.00	0.00	7.04	11.49	0.00	12.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
225	7.537	18.81	0.00	1.00	0.00	6.97	11.38	0.00	12.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
226	7.341	18.81	0.00	1.00	0.00	6.93	11.27	0.00	12.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
227	7.144	18.81	0.00	1.00	0.00	6.90	11.17	0.00	12.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
228	6.948	18.81	0.00	1.00	0.00	6.88	11.08	0.00	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
229	6.752	18.81	0.00	1.00	0.00	6.86	11.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
230	6.555	18.81	0.00	1.00	0.00	6.86	10.93	0.00	12.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
231	6.359	18.81	0.00	1.00	0.00	6.86	10.86	0.00	12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
232	6.162	18.81	0.00	1.00	0.00	6.86	10.79	0.00	12.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
233	5.966	18.81	0.00	1.00	0.00	6.86	10.74	0.00	12.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
234	5.770	18.81	0.00	1.00	0.00	6.87	10.68	0.00	12.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
235	5.573	18.81	0.00	1.00	0.00	6.87	10.63	0.00	12.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
236	5.377	18.81	0.00	1.00	0.00	6.88	10.59	0.00	12.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
237	5.180	18.81	0.00	1.00	0.00	6.89	10.55	0.00	12.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
238	4.984	18.81	0.00	1.00	0.00	6.89	10.51	0.00	12.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
239	4.788	18.81	0.00	1.00	0.00	6.90	10.47	0.00	11.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
240	4.591	18.81	0.00	1.00	0.00	6.91	10.44	0.00	11.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
241	4.395	18.81	0.00	1.00	0.00	6.91	10.41	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
242	4.198	18.81	0.00	1.00	0.00	6.92	10.39	0.00	11.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
243	4.002	18.81	0.00	1.00	0.00	6.92	10.36	0.00	11.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
244	3.806	18.81	0.00	1.00	0.00	6.93	10.34	0.00	11.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
245	3.609	18.81	0.00	1.00	0.00	6.93	10.32	0.00	11.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
246	3.413	18.81	0.00	1.00	0.00	6.94	10.30	0.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
247	3.216	18.81	0.00	1.00	0.00	6.94	10.28	0.00	11.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
248	3.020	18.81	0.00	1.00	0.00	6.95	10.27	0.00	11.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
224	7.734	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
225	7.537	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
226	7.341	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
227	7.144	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
228	6.948	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
229	6.752	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
230	6.555	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
231	6.359	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
232	6.162	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
233	5.966	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
234	5.770	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
235	5.573	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
236	5.377	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
237	5.180	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
238	4.984	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
239	4.788	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
240	4.591	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
241	4.395	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0

242	4.198	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
243	4.002	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
244	3.806	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
245	3.609	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
246	3.413	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
247	3.216	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
248	3.020	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0				
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000						

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 14 ICWW DIVERSION-BGT 7

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
249	UPR RCH	0.15273	18.81	0.00	1.00	0.00	6.95	10.27	0.00	11.77	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
249	WSTLD	-0.13733	18.81	0.00	1.00	0.00	6.67	10.54	0.00	12.04	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
249	3.02	2.81	0.01540	81.5	0.00079	3.12	213.48	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.001
250	2.81	2.60	0.01540	81.5	0.00079	3.12	216.60	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.001
251	2.60	2.38	0.01540	81.5	0.00079	3.12	219.72	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.001
252	2.38	2.17	0.01540	81.5	0.00079	3.12	222.83	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.001
253	2.17	1.96	0.01540	81.5	0.00079	3.12	225.95	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.000	0.001
TOT						15.59				20738.74	31662.20					
AVG					0.0008			0.65	29.87			19.56				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
249	2.808	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
250	2.596	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
251	2.384	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00

252	2.172	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
253	1.960	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.07	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.31			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
249	2.808	18.81	0.00	1.00	0.00	6.67	10.54	0.00	12.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
250	2.596	18.81	0.00	1.00	0.00	5.91	12.50	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
251	2.384	18.81	0.00	1.00	0.00	5.65	13.89	0.00	15.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
252	2.172	18.81	0.00	1.00	0.00	5.53	14.89	0.00	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
253	1.960	18.81	0.00	1.00	0.00	5.46	15.61	0.00	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT N PREF	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI N PREF	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
249	2.808	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
250	2.596	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
251	2.384	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
252	2.172	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
253	1.960	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT False River Overflow
REACH NO. 15 BGT 7-INTRACOASTAL WATERWAY

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	PO4-P mg/L	CHL A µg/L	COLI #/100mL	NCM
254	UPR RCH	0.01540	18.81	0.00	1.00	0.00	5.46	15.61	0.00	17.11	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	CUM 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
254	1.96	1.72	0.01540	81.5	0.00079	3.60	229.55	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
255	1.72	1.47	0.01540	81.5	0.00079	3.60	233.16	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
256	1.47	1.23	0.01540	81.5	0.00079	3.60	236.76	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
257	1.23	0.98	0.01540	81.5	0.00079	3.60	240.36	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
258	0.98	0.74	0.01540	81.5	0.00079	3.60	243.96	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
259	0.74	0.49	0.01540	81.5	0.00079	3.60	247.57	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
260	0.49	0.25	0.01540	81.5	0.00079	3.60	251.17	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
261	0.25	0.00	0.01540	81.5	0.00079	3.60	254.77	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.000	0.001
TOT						28.82				38347.11	58545.20					
AVG					0.0008			0.65	29.87			19.56				

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD1 DECAY 1/da	BOD1 SETT 1/da	ABOD1 DECAY 1/da	BOD1 HYDR 1/da	BOD2 DECAY 1/da	BOD2 SETT 1/da	ABOD2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORG-N HYDR 1/da	ORG-N SETT 1/da	NH3-N DECAY 1/da	NH3-N SRCE *	DENIT RATE 1/da	ORG-P HYDR 1/da	ORG-P SETT 1/da	PO4 SRCE *	PHYTO PROD **	PERIP PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
254	1.715	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
255	1.470	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
256	1.225	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
257	0.980	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
258	0.735	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
259	0.490	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
260	0.245	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
261	0.000	9.31	1.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.07	0.08	0.05	0.00	0.00	0.00	0.00	0.00	2.32			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP deg C	SALN ppt	CM-1 MG/L	CM-2 MG/L	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	TOT-N mg/L	EORG-N mg/L	ETOT-N mg/L	ORG-P mg/L	PO4-P mg/L	TOT-P mg/L	EORG-P mg/L	ETOT-P mg/L	CHL A µg/L	PERIP g/m²	COLI #/100mL	NCM
254	1.715	18.81	0.00	1.00	0.00	5.43	16.07	0.00	17.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
255	1.470	18.81	0.00	1.00	0.00	5.41	16.40	0.00	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
256	1.225	18.81	0.00	1.00	0.00	5.39	16.62	0.00	18.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
257	0.980	18.81	0.00	1.00	0.00	5.37	16.77	0.00	18.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
258	0.735	18.81	0.00	1.00	0.00	5.37	16.87	0.00	18.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
259	0.490	18.81	0.00	1.00	0.00	5.36	16.94	0.00	18.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
260	0.245	18.81	0.00	1.00	0.00	5.36	16.99	0.00	18.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00
261	0.000	18.81	0.00	1.00	0.00	5.36	17.00	0.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0	0.0	0.	0.00

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

ELEM NO.	ENDING DIST	BANK SHADE frac	SECCHI DEPTH m	PHYT PREF N	PHYT LIT LIM	PHYT N LIM	PHYT P LIM	PHYT N&P LIM	PHYT TOT LIM	PHYT GROW 1/da	PHYT RESP 1/da	PHYT DEATH 1/da	PHYT SETT 1/da	PHYT P/R RATIO	PHYTO µg/L	PERI PREF N	PERI LIT LIM	PERI N LIM	PERI P LIM	PERI N&P LIM	PERI SPC LIM	PERI TOT LIM	PERI GROW 1/da	PERI RESP 1/da	PERI DEATH 1/da	PERI P/R RATIO	PERIP g/m²
254	1.715	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
255	1.470	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
256	1.225	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
257	0.980	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
258	0.735	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
259	0.490	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
260	0.245	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
261	0.000	0.00	Inf	0.50	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.0	10.0	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.0	0.0
20 DEG C RATE										0.000	0.000	0.000	0.000										0.000	0.000	0.000		

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

STREAM SUMMARY REPORT: False River Overflow

TRAVEL TIME	=	254.77	DAYS		
MAXIMUM EFFLUENT	=	81.47	PERCENT		
FLOW	=	0.01540	TO	0.15273	m³/s
DISPERSION	=	0.0004	TO	0.0031	m²/s
VELOCITY	=	0.00079	TO	0.00602	m/s
DEPTH	=	0.63	TO	1.55	m
WIDTH	=	20.73	TO	37.80	m
BOD DECAY	=	0.08	TO	0.11	per day
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	0.82	TO	2.30	g/m²/d
NH3 SED SOURCE	=	0.00	TO	0.00	g/m²/d
PO4 SED SOURCE	=	0.00	TO	0.00	g/m²/d
REAERATION	=	0.44	TO	1.16	per day
BOD SETTLING	=	0.05	TO	0.05	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	18.81	TO	18.81	deg C
DISSOLVED OXYGEN	=	5.03	TO	7.48	mg/L

LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Winter Projection Meeting DO Standard of 5.0 mg/L

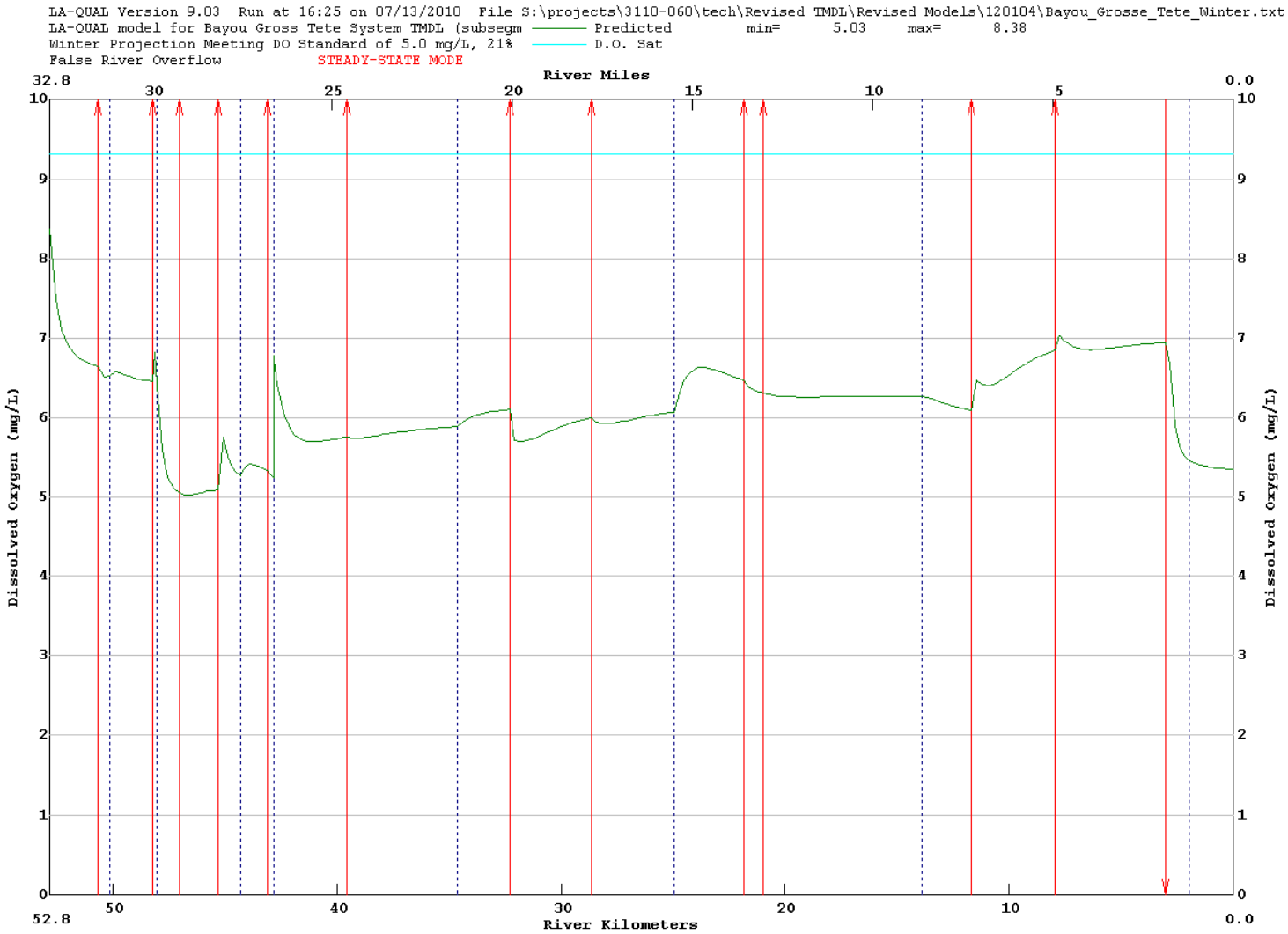
INPUT/OUTPUT LOADING SUMMARY

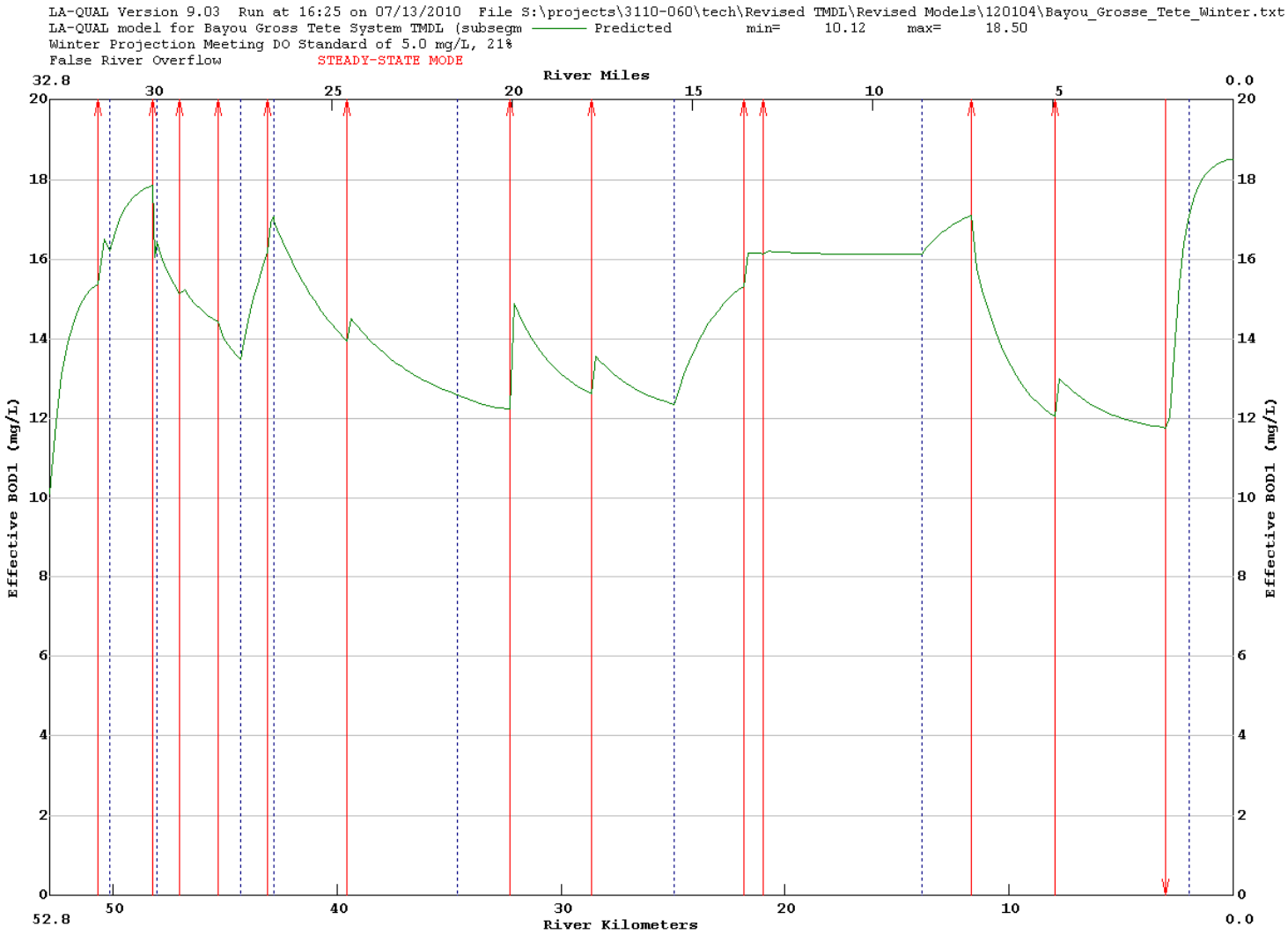
	FLOW m^3/s	DO kg/d	BOD1 kg/d	BOD2 kg/d	ORG-N kg/d	NH3-N kg/d	NO3-N kg/d	ORG-P kg/d	PO4-P kg/d	CHL A	PERIP	NCM
HEADWATER FLOW	0.02830	20.49	21.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
INCREMENTAL INFLOW	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
INCREMENTAL OUTFLOW	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
WASTELOADS	0.12443	83.90	196.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
WITHDRAWLS	-0.13733	-79.14	-125.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
FLOW THRU LOWER BNDRY	-0.01540	-7.13	-22.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
DISPERSION THRU LOWER BNDRY		0.01	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
DISPERSION THRU HDWTR BNDRY		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
NON-POINT INPUT		0.00	2740.31	0.00	0.00			0.00				0.00
NATURAL REAERATION		3037.69										
DAM REAERATION		11.32										
SOD BACKGROUND		-1956.08										
BOD1 DECAY		-1842.98	-1842.98									
BOD1 SETTLING		0.00	-966.68									
ANAEROBIC BOD1 DECAY			0.00									
BOD2 DECAY		0.00		0.00								
BOD2 SETTLING		0.00		0.00								
ANAEROBIC BOD2 DECAY				0.00								
BOD2 HYDROLYSIS			0.00	0.00								
ORG-N DECAY		0.00			0.00	0.00						
ORG-N SETTLING					0.00	0.00						
NH3-N DECAY (NITRIFICATION)		0.00				0.00	0.00					
NH3-N BACKGROUND SEDIMENT SOURCE						0.00						
DENITRIFICATION			0.00				0.00					
ORG-P HYDROLYSIS								0.00	0.00			
ORG-P SETTLING								0.00	0.00			
PO4-P BACKGROUND SEDIMENT SOURCE									0.00			
PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS		731.91				0.00	0.00		0.00	0.00		
PHYTOPLANKTON RESPIRATION/EXCRETION		0.00				0.00			0.00	0.00		
PHYTOPLANKTON SETTLING		0.00				0.00			0.00	0.00		
PHYTOPLANKTON DEATH			0.00	0.00	0.00			0.00		0.00		
PERIPHYTON GROWTH/PHOTOSYNTHESIS		0.00				0.00	0.00		0.00		0.00	
PERIPHYTON RESPIRATION/EXCRETION		0.00				0.00			0.00		0.00	
PERIPHYTON DEATH			0.00	0.00	0.00			0.00			0.00	
NCM DECAY		0.00										0.00
NCM SETTLING		0.00										0.00
TOTAL INPUTS	0.15273	3885.32	2957.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL OUTPUTS	-0.15273	-3885.32	-2957.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

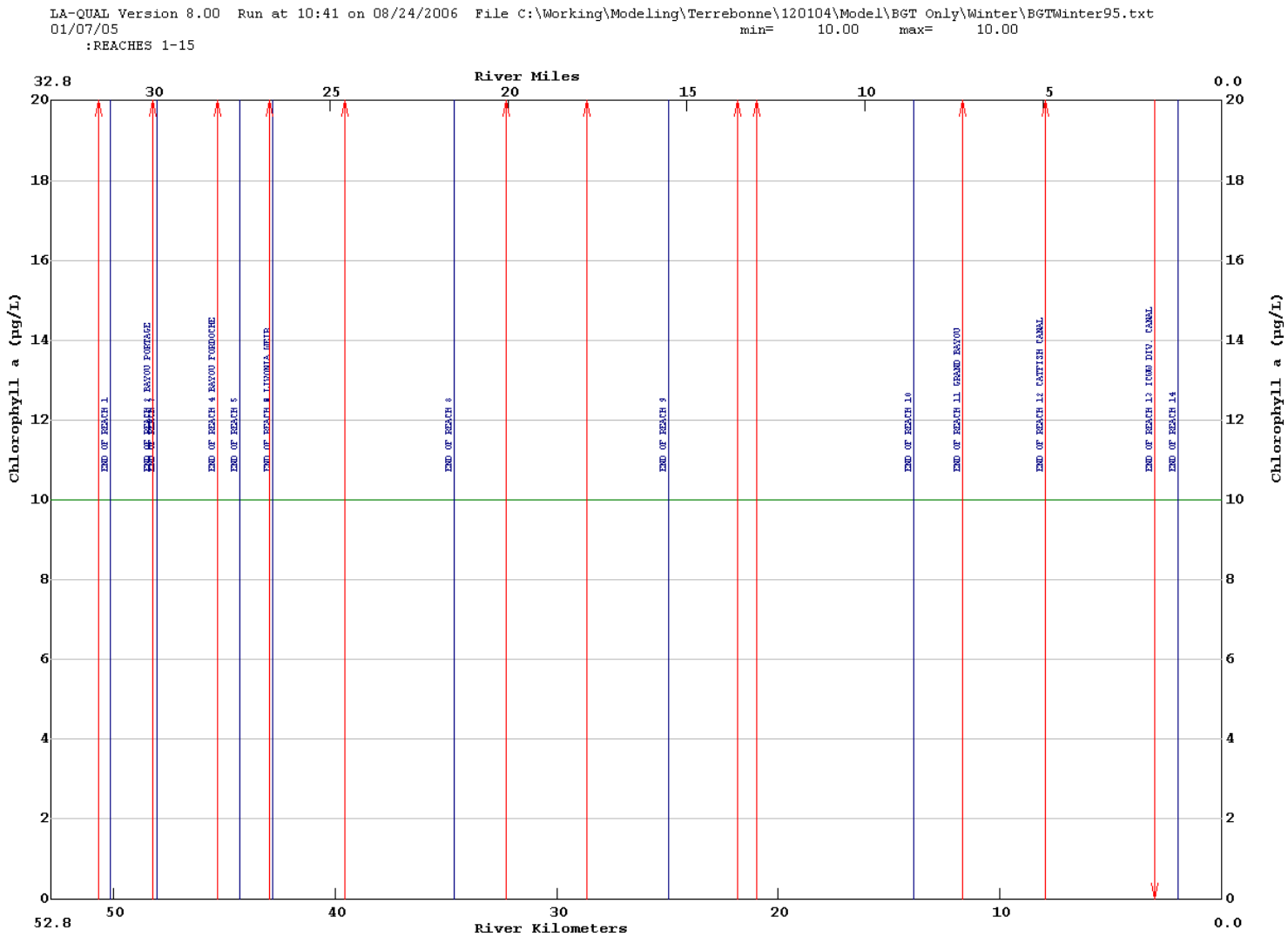
NET CONVERGENCE ERROR	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

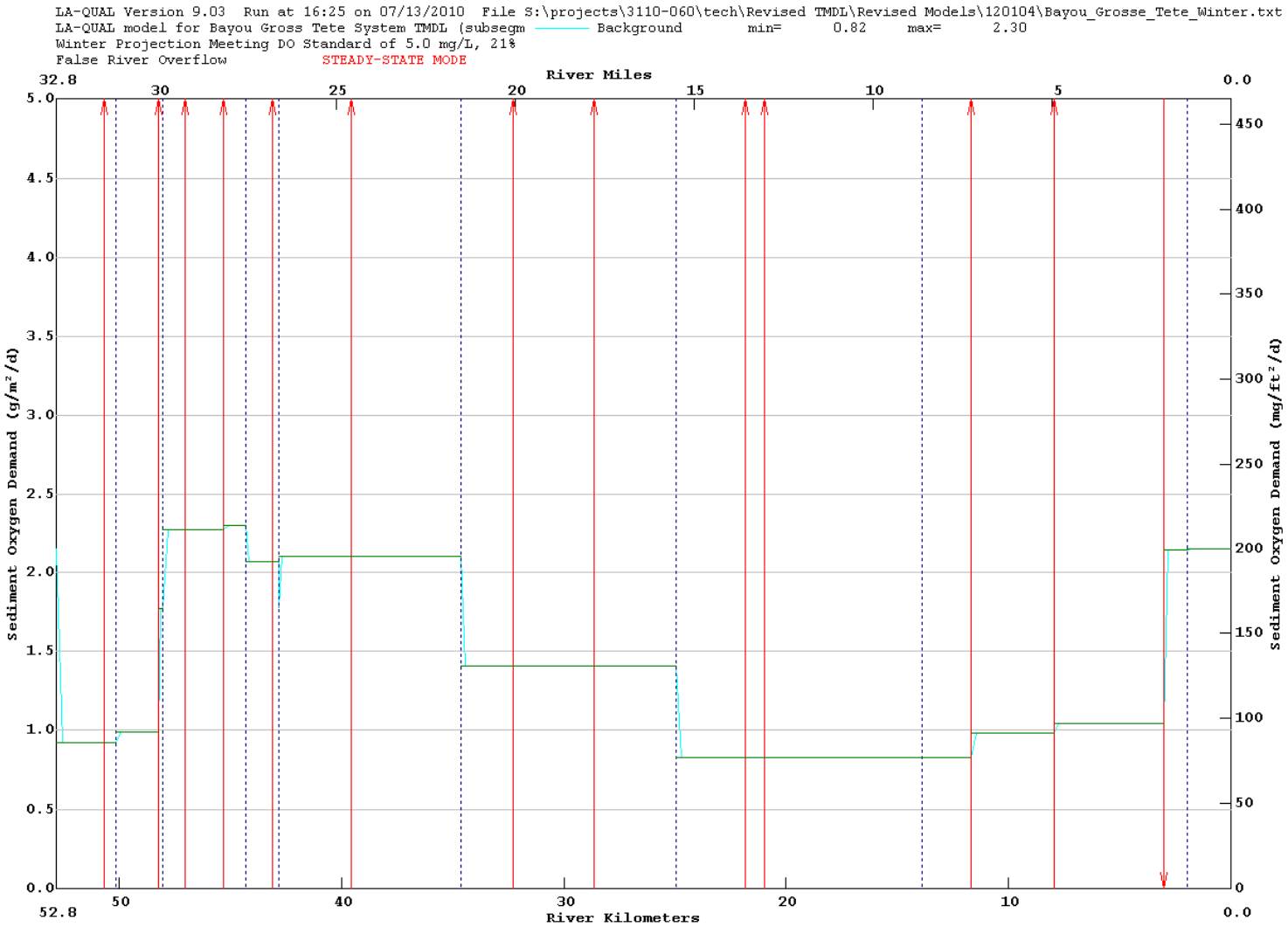
.....EXECUTION COMPLETED

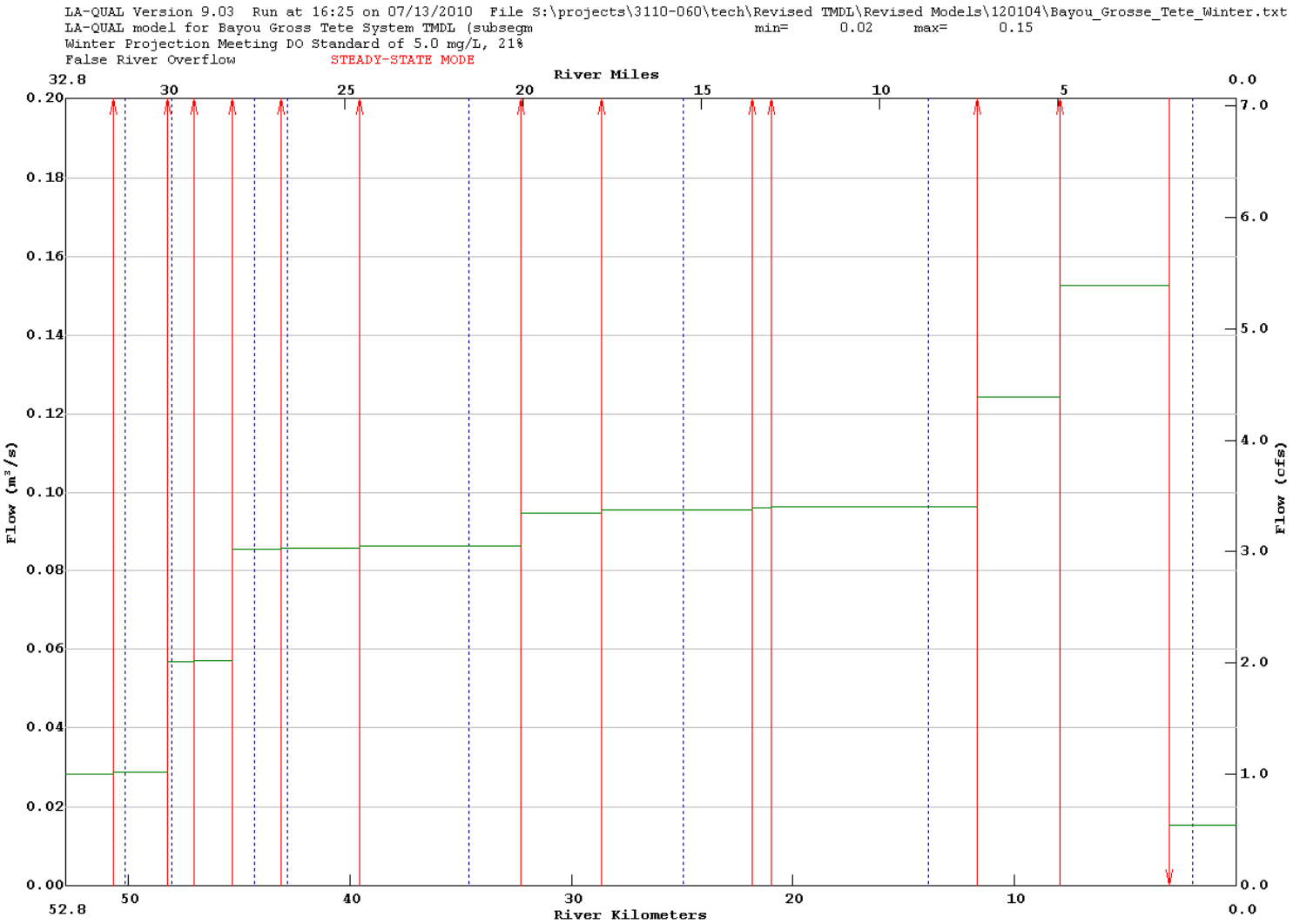
Appendix D5 – Winter Projection Graphs

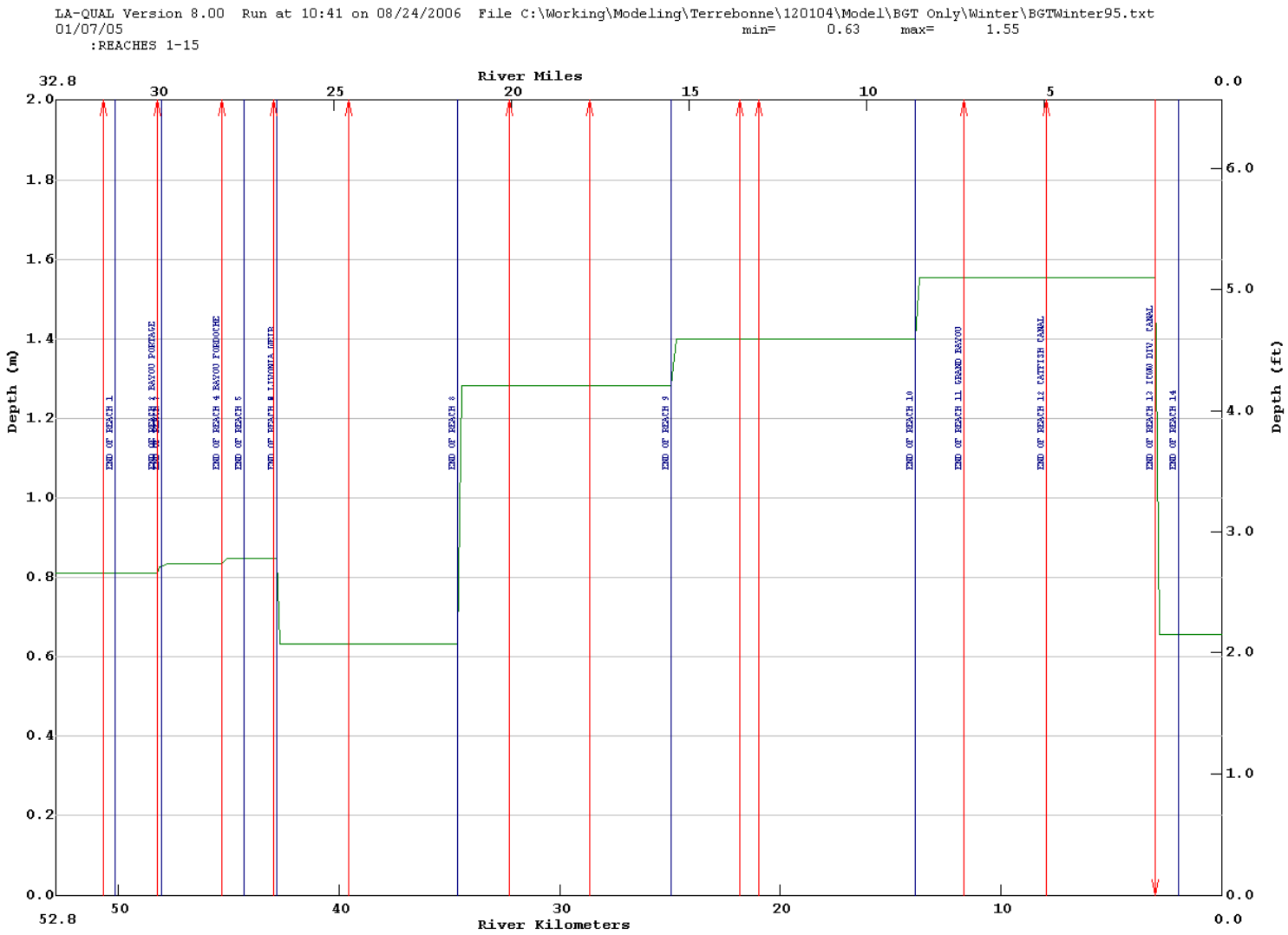


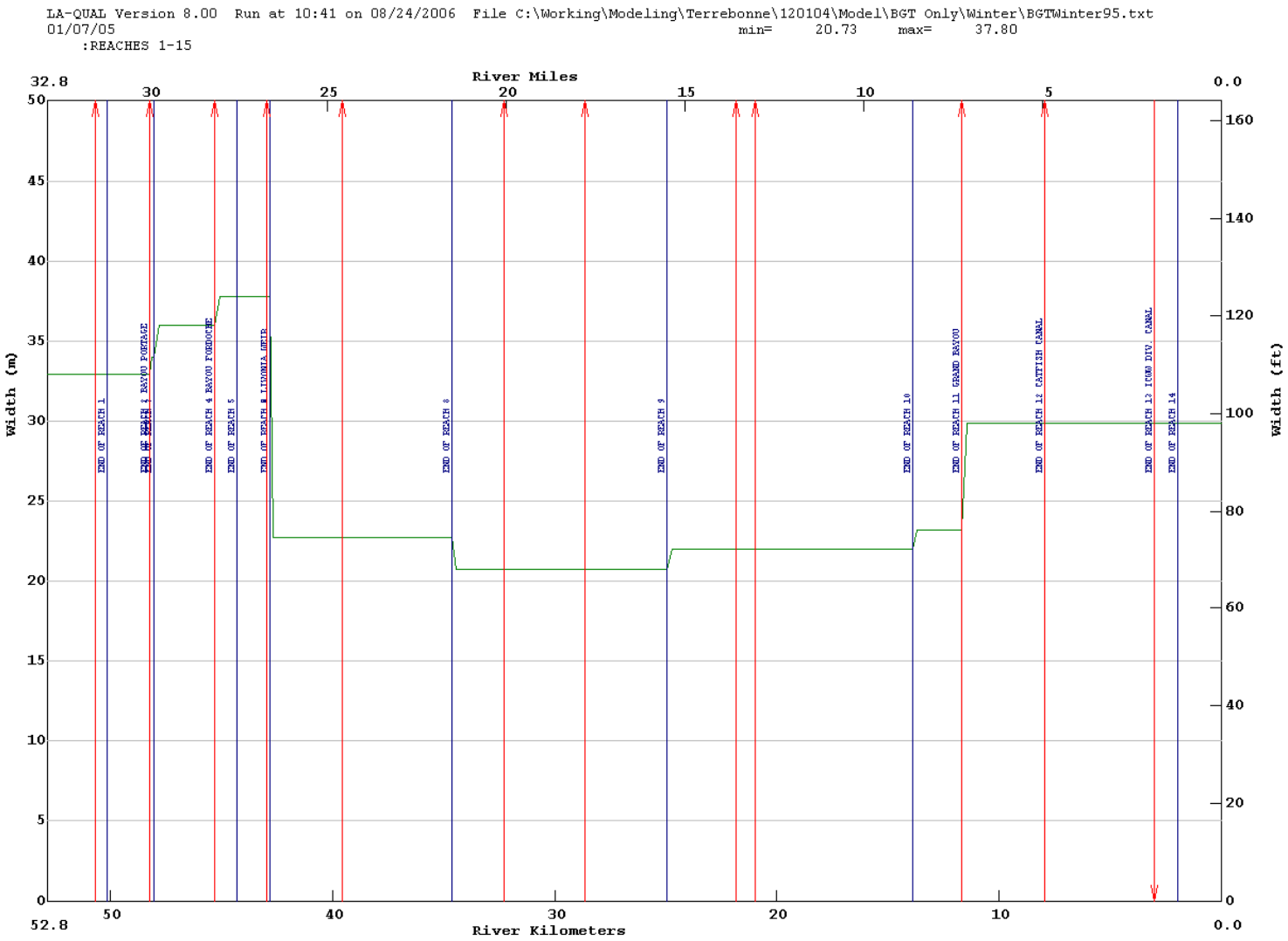

LA-QUAL Version 9.03 Run at 16:25 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Winter.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Predicted min= 10.12 max= 18.50
Winter Projection Meeting DO Standard of 5.0 mg/L, 21%
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
Effective BOD1 (mg/L)
0
2
4
6
8
10
12
14
16
18
20
52.8
50
40
30
20
10
0.0
River Kilometers

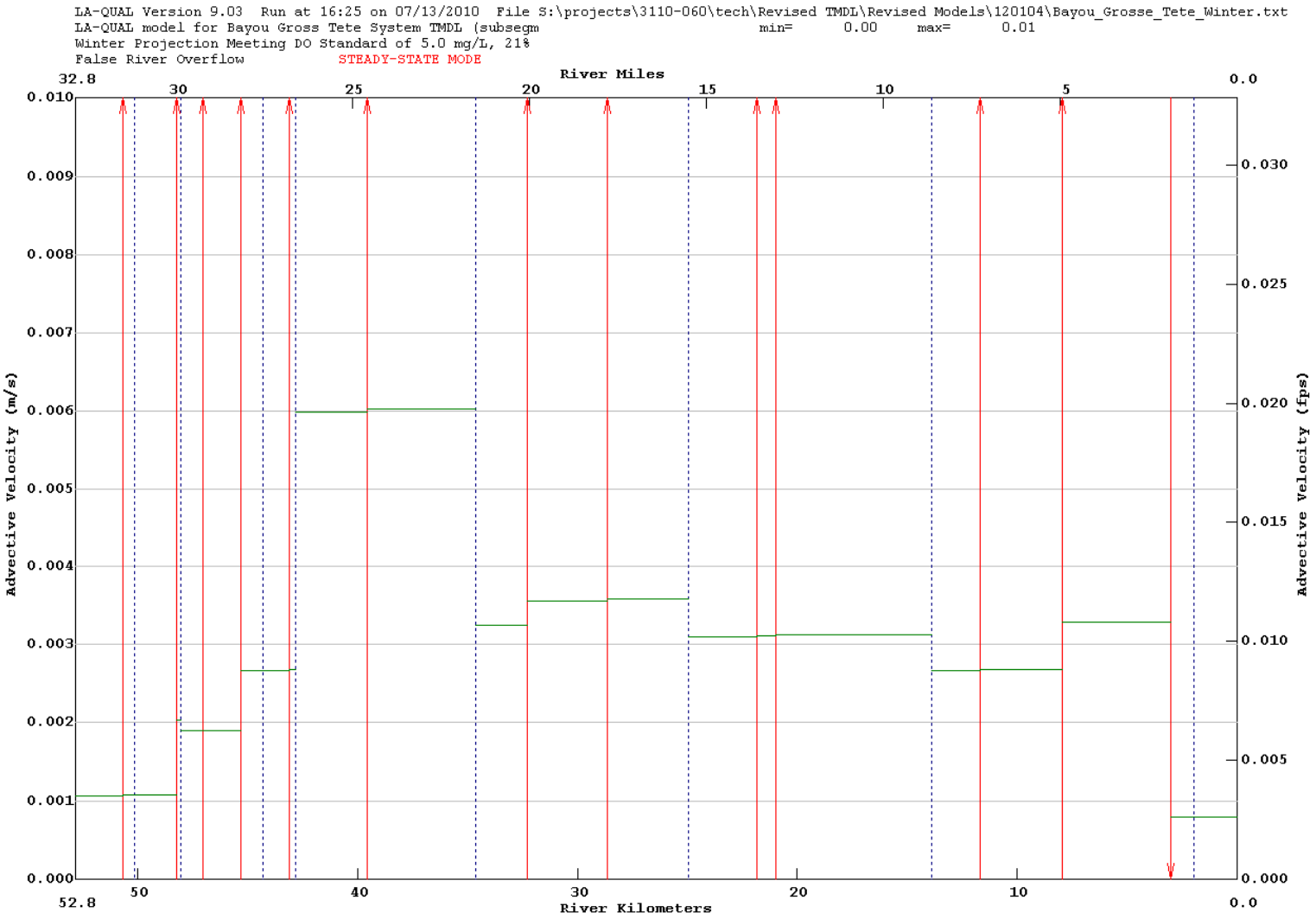

LA-QUAL Version 8.00 Run at 10:41 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Winter\BGTWinter95.txt
01/07/05 min= 10.00 max= 10.00
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Chlorophyll a (pg/L)
20
18
16
14
12
10
8
6
4
2
0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

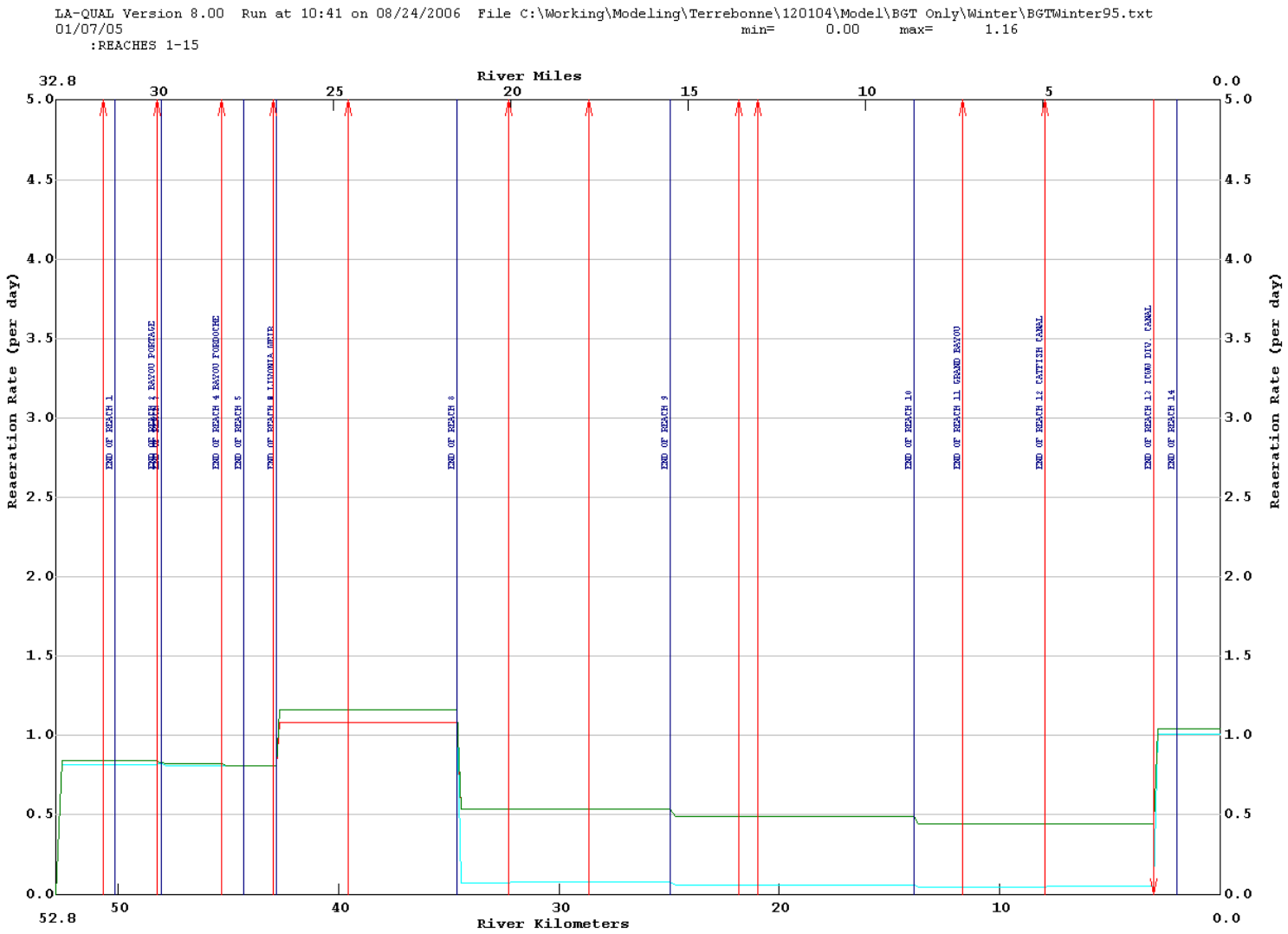

LA-QUAL Version 9.03 Run at 16:25 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Winter.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
Background min= 0.82 max= 2.30
Winter Projection Meeting DO Standard of 5.0 mg/L, 21%
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
River Kilometers
52.8
50
40
30
20
10
0.0
Sediment Oxygen Demand (g/m²/d)
Sediment Oxygen Demand (mg/ft²/d)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
450
400
350
300
250
200
150
100
50
0


LA-QUAL Version 9.03 Run at 16:25 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Winter.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
min= 0.02 max= 0.15
Winter Projection Meeting DO Standard of 5.0 mg/L, 21%
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Flow (m³/s)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Flow (cfs)
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 8.00 Run at 10:41 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Winter\BGTWinter95.txt
01/07/05 min= 0.63 max= 1.55
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Depth (m)
Depth (ft)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONNIA AMTB
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 8.00 Run at 10:41 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Winter\BGTWinter95.txt
01/07/05 min= 20.73 max= 37.80
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Width (m)
Width (ft)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATTISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14


LA-QUAL Version 9.03 Run at 16:25 on 07/13/2010 File S:\projects\3110-060\tech\Revised TMDL\Revised Models\120104\Bayou_Grosse_Tete_Winter.txt
LA-QUAL model for Bayou Gross Tete System TMDL (subsegm
min= 0.00 max= 0.01
Winter Projection Meeting DO Standard of 5.0 mg/L, 21%
False River Overflow
STEADY-STATE MODE
River Miles
32.8
30
25
20
15
10
5
0.0
0.010
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
0.030
0.025
0.020
0.015
0.010
0.005
0.000
Advective Velocity (m/s)
Advective Velocity (fps)
52.8
50
40
30
20
10
0.0
River Kilometers


LA-QUAL Version 8.00 Run at 10:41 on 08/24/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Winter\BGTWinter95.txt
01/07/05 min= 0.00 max= 1.16
:REACHES 1-15
River Miles
32.8
30
25
20
15
10
5
0.0
Reaeration Rate (per day)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORTAGE
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

Appendix D6 – Winter Projection Justifications

	DATA TYPE 3 - PROGRAM CONSTANTS		
CONSTANT NAME	**VALUE**	**UNITS**	**DATA SOURCE**
KL MINIMUM	0.7	m/day	Louisiana Standard Practice
MAXIMUM ITERATION LIMIT	1000		Louisiana Standard Practice
INHIBITION CONTROL VALUE	3		Louisiana Standard Practice
EFFECTIVE BOD DUE TO ALGAE	0.15	mg/L BOD /ug chl a/ day	BPJ and calibration
ALGAE OXYGEN PRODUCTION	0.05	mg O / ug chl a / day	LAQUAL Default
K2 MAXIMUM	25	1/day at 20 deg C	Louisiana Standard Practice
HYDRAULIC CALCULATION METHOD	2		Louisiana Standard Practice
SETTLING RATE UNITS	2		Louisiana Standard Practice

			DATA TYPE 8 - REACH IDENTIFICATION DATA			
Reach	**ID**	**Name**	**Upstream River Kilometer**	**Downstream River Kilometer**	**Element Length, meters**	**Data Source**
1	GT	FALSE R CANAL-FRISCO BRIDGE (LA 411)	52.84	50.15	0.2690	
2	GT	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	50.15	48.26	0.2100	
3	GT	BAYOU PORTAGE-UNNAMED CANAL	48.26	48.06	0.1000	
4	GT	UNNAMED CANAL-BAYOU FORDOCHE	48.06	45.31	0.2500	
5	GT	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	45.31	44.30	0.2020	
6	GT	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	44.30	42.85	0.1450	
7	GT	CONCRETE WEIR	42.85	42.84	0.0100	
8	GT	CONCRETE WEIR-MARINGOUIN BRIDGE	42.84	34.63	0.1642	
9	GT	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	34.63	24.95	0.1936	
10	GT	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	24.95	13.90	0.2210	
11	GT	SIDNEY RD. BRIDGE-GRAND BAYOU	13.90	11.68	0.2220	
12	GT	GRAND BAYOU-CATFISH CANAL	11.68	7.93	0.2500	
13	GT	CATFISH CANAL-ICWW DIVERSION	7.93	3.02	0.1964	
14	GT	ICWW DIVERSION-LA 77 BOAT LAUNCH	3.02	1.96	0.2120	
15	GT	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	1.96	0.00	0.2450	

		DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS				DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS				DATA TYPE 9 - ADVECTIVE HYDRAULIC COEFFICIENTS			
Reach	**Name**	**Width Coeff. "a"**	**Width Exp. "b"**	**Width Const. "c"**	**Data Source**	**Depth Coeff. "d"**	**Depth Exp. "e"**	**Depth Const. "f"**	**Data Source**	**Slope (unitless)**	**Data Source**	**Manning's "n"**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	0	0	32.92	Field Data, Site BGT2	0	0	0.811	Field Data, Site BGT2	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
2	FRISCO BRIDGE (LA 411) BAYOU PORTAGE	0	0	32.92	Field Data, Site BGT2	0	0	0.811	Field Data, Site BGT2	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
3	BAYOU PORTAGE-UNNAMED CANAL	0	0	34	Estimate of field data between Sites BGT2 and BGT3	0	0	0.825	Estimate of field data between Sites BGT2 and BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
4	UNNAMED CANAL-BAYOU FORDOCHE	0	0	36	Estimate of field data between Sites BGT2 and BGT3	0	0	0.835	Estimate of field data between Sites BGT2 and BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
7	CONCRETE WEIR	0	0	37.8	Field Data, Site BGT3	0	0	0.847	Field Data, Site BGT3	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
8	CONCRETE WEIR-MARINGOUIN BRIDGE	0	0	22.71	Field Data, Site BGT4	0	0	0.631	Field Data, Site BGT4	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	0	0	20.73	Field Data, Site BGT5	0	0	1.283	Field Data, Site BGT5	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	0	0	22	Estimate of field data between Sites BGT5 and BGT6	0	0	1.4	Estimate of field data between Sites BGT5 and BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
11	SIDNEY RD. BRIDGE-GRAND BAYOU	0	0	23.16	Field Data, Site BGT6	0	0	1.554	Field Data, Site BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
12	GRAND BAYOU-CATFISH CANAL	0	0	29.87	Field Data, Site BGT7; chose width increase early due to input from Grand Bayou	0	0	1.554	Field Data, Site BGT6	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
13	CATFISH CANAL-ICWW DIVERSION	0	0	29.87	Field Data, Site BGT7	0	0	1.554	Field Data, Site BGT6; kept increased depth until diversion canal removes significant amount of flow	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	0	0	29.87	Field Data, Site BGT7	0	0	0.62	Field Data, Site BGT7	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	0	0	29.87	Field Data, Site BGT7	0	0	0.62	Field Data, Site BGT7	0.0001	Estimated from USGS topography maps	0.035	Env. Eng. Exam Guide & Handbook

		DATA TYPE 11 - INITIAL CONDITIONS				DATA TYPE 11 - INITIAL CONDITIONS		
Reach	**Name**	**Temp, deg C**	**Sal, ppt**	**DO, mg/l**	**Data Source**	**Chlorophyll a**	**Macrophytes**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
3	BAYOU PORTAGE-UNNAMED CANAL	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
4	UNNAMED CANAL-BAYOU FORDOCHE	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
7	CONCRETE WEIR	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
8	CONCRETE WEIR-MARINGOUIN BRIDGE	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
11	SIDNEY RD. BRIDGE-GRAND BAYOU	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
12	GRAND BAYOU-CATFISH CANAL	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
13	CATFISH CANAL-ICWW DIVERSION	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	18.81	0.00	8.38	Winter critical temperature and 90% DO Saturation	10.00	0	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae

		DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS				DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS		DATA TYPE 12 - REAERATION, SEDIMENT OXYGEN DEMAND AND BOD COEFFICIENTS	
REACH	**NAME**	**K_2 OPT**	**Data Source**	**BKGRND SOD, gmO_2/m^2/day at 20 deg C**	**Data Source**	**Aerobic BOD1 Dec Rate (1/day)**	**Data Source**	**BOD1 SETT RATE (m/day, ft/day or 1/day)**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	15	Louisiana Equation	0.992	TMDL Loading Spreadsheet	0.121	Laboratory bottle rates, Estimated between Sites BGT9 and BGT2	0.05	LTP, BPJ and calibration
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	15	Louisiana Equation	1.068	TMDL Loading Spreadsheet	0.107	Laboratory bottle rates, Site BGT2	0.05	LTP, BPJ and calibration
3	BAYOU PORTAGE-UNNAMED CANAL	15	Louisiana Equation	1.911	TMDL Loading Spreadsheet	0.102	Laboratory bottle rates, Estimated between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
4	UNNAMED CANAL-BAYOU FORDOCHE	15	Louisiana Equation	2.445	TMDL Loading Spreadsheet	0.098	Laboratory bottle rates, Estimated between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	15	Louisiana Equation	2.475	TMDL Loading Spreadsheet	0.095	Laboratory bottle rates, Estimated between Sites BGT2 and BGT3	0.05	LTP, BPJ and calibration
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	15	Louisiana Equation	2.228	TMDL Loading Spreadsheet	0.093	Laboratory bottle rates, Site BGT3	0.05	LTP, BPJ and calibration
7	CONCRETE WEIR	15	Louisiana Equation	1.915	TMDL Loading Spreadsheet	0.098	Laboratory bottle rates, Estimated between Sites BGT3 and BGT4	0.05	LTP, BPJ and calibration
8	CONCRETE WEIR-MARINGOUIN BRIDGE	15	Louisiana Equation	2.265	TMDL Loading Spreadsheet	0.105	Laboratory bottle rates, Estimated between Sites BGT3 and BGT4	0.05	LTP, BPJ and calibration
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	4	Owens-Edwards-Gibbs	1.518	TMDL Loading Spreadsheet	0.106	Laboratory bottle rates, Estimated between Sites BGT4 and BGT5	0.05	LTP, BPJ and calibration
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	4	Owens-Edwards-Gibbs	0.889	TMDL Loading Spreadsheet	0.099	Laboratory bottle rates, Estimated between Sites BGT5 and BGT6	0.05	LTP, BPJ and calibration
11	SIDNEY RD. BRIDGE-GRAND BAYOU	4	Owens-Edwards-Gibbs	0.890	TMDL Loading Spreadsheet	0.093	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
12	GRAND BAYOU-CATFISH CANAL	4	Owens-Edwards-Gibbs	1.062	TMDL Loading Spreadsheet	0.090	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
13	CATFISH CANAL-ICWW DIVERSION	4	Owens-Edwards-Gibbs	1.125	TMDL Loading Spreadsheet	0.086	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	15	Louisiana Equation	2.311	TMDL Loading Spreadsheet	0.084	Laboratory bottle rates, Estimated between Sites BGT6 and BGT7	0.05	LTP, BPJ and calibration
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	15	Louisiana Equation	2.318	TMDL Loading Spreadsheet	0.082	Laboratory bottle rates, Site BGT7	0.05	LTP, BPJ and calibration

		DATA TYPE 16 - INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY,							
Reach	**Reach Name**	**Incr. Ouflow, m^3**	**Incr. Inflow, m^3**	**Data Source**	**Temp, deg C**	**Sal., ppt**	**Cons. Mat I**	**Cons. Mat II**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)			Incremental flows were reduced to zero to simulate dry, critical conditions					
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE								
3	BAYOU PORTAGE-UNNAMED CANAL								
4	UNNAMED CANAL-BAYOU FORDOCHE								
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)								
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR								
7	CONCRETE WEIR								
8	CONCRETE WEIR-MARINGOUIN BRIDGE								
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE								
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE								
11	SIDNEY RD. BRIDGE-GRAND BAYOU								
12	GRAND BAYOU-CATFISH CANAL								
13	CATFISH CANAL-ICWW DIVERSION								
14	ICWW DIVERSION-LA 77 BOAT LAUNCH								
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY								

		DATA TYPE 19 - NONPOINT SOURCES		
Reach	**Reach Name**	**Length of Reach, km**	**UCBOD1, kg/day**	**Data Source**
1	FALSE R CANAL-FRISCO BRIDGE (LA 411)	2.69	165.41	TMDL Loading Spreadsheet
2	FRISCO BRIDGE (LA 411)-BAYOU PORTAGE	1.89	124.63	TMDL Loading Spreadsheet
3	BAYOU PORTAGE-UNAMED CANAL	0.20	15.93	TMDL Loading Spreadsheet
4	UNNAMED CANAL-BAYOU FORDOCHE	2.75	146.68	TMDL Loading Spreadsheet
5	BAYOU FORDOCHE-LIVONIA BRIDGE (BRIDGE RD.)	1.01	49.51	TMDL Loading Spreadsheet
6	LIVONIA BRIDGE (BRIDGE RD.)-CONCRETE WEIR	1.45	111.42	TMDL Loading Spreadsheet
7	CONCRETE WEIR	0.01	0.00	TMDL Loading Spreadsheet
8	CONCRETE WEIR-MARINGOUIN BRIDGE	8.21	181.22	TMDL Loading Spreadsheet
9	MARINGOUIN BRIDGE-ROSEDALE BRIDGE	9.68	404.77	TMDL Loading Spreadsheet
10	ROSEDALE BRIDGE-SIDNEY RD. BRIDGE	11.05	707.91	TMDL Loading Spreadsheet
11	SIDNEY RD. BRIDGE-GRAND BAYOU	2.22	174.79	TMDL Loading Spreadsheet
12	GRAND BAYOU-CATFISH CANAL	3.75	230.06	TMDL Loading Spreadsheet
13	CATFISH CANAL-ICWW DIVERSION	4.91	298.96	TMDL Loading Spreadsheet
14	ICWW DIVERSION-LA 77 BOAT LAUNCH	1.06	46.22	TMDL Loading Spreadsheet
15	LA 77 BOAT LAUNCH-INTRACOASTAL WATERWAY	1.96	82.80	TMDL Loading Spreadsheet

	DATA TYPE 20 - HEADWATER DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES						
Headwater Name	**Element No.**	**Logical Unit Number**	**Headwater Flow, cms**	**Temp, deg C**	**Conservative Material I**	**Conservative Material II**	**Data Source**
False River Overflow	1		0.0283	18.81	8.4	16.5	Winter critical flow and temperature; Site BGT9 field data; conservatives modified due to inconsistencies with upstream and downstream sites

	DATA TYPE 21 - HEADWATER DATA FOR DO, BOD, AND NITROGEN		
Headwater Name	**Dissolved Oxygen, mg/L**	**UCBOD1, mg/l**	**Data Source**
False River Overflow	8.38	10.12	90% DO saturation, TMDL Loading Spreadsheet

	DATA TYPE 24 - WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES						
Wasteload / Withdrawal Name	**EL #**	**Flow, cms**	**Temperature, deg C**	**Salinity**	**Conservative Material I**	**Conservative Material II**	**Data Source**
LA LABORERS T&A	9	0.00037					Permit and application data
BAYOU PORTAGE	20	0.02830	18.81				Winter critical conditions
UNION PACIFIC RR	26	0.00017					Permit and application data
BAYOU FORDOCHE	33	0.02830	18.81				Winter critical conditions
OAK TREE INN	46	0.00039					Permit and application data
VALVERDA ELEMENTARY	69	0.00050					Permit and application data
MARINGOUIN STP	111	0.00822					Permit and application data
N IBERVILLE SCHOOL	130	0.00085					Permit and application data
BAYOU TRUCK STOP	163	0.00067					Permit and application data
DAVID'S CATERING	167	0.00006					Permit and application data
GRAND BAYOU	209	0.02830	18.81				Winter critical conditions
CATFISH CANAL	224	0.02830	18.81				Winter critical conditions
ICWW DIVERSION	249	-0.13733	18.81				Flow is calculated to be the same percentage of total flow being removed as from the calibration model.

	DATA TYPE 25 - WASTELOAD DATA FOR DO, BOD, AND NITROGEN				
Wasteload / Withdrawal Name	**EL #**	**DO, mg/L**	**UCBOD1, mg/L**	**BOD decayed percent**	**Data Source**
LA LABORERS T&A	9	2.00	133.50		Permit and application data
BAYOU PORTAGE	20	8.38	11.47		Winter critical temperature and TMDL Loading Spreadsheet
UNION PACIFIC RR	26	2.00	133.50		Permit and application data
BAYOU FORDOCHE	33	8.38	11.80		Winter critical temperature and TMDL Loading Spreadsheet
OAK TREE INN	46	2.00	133.50		Permit and application data
VALVERDA ELEMENTARY	69	2.00	133.50		Permit and application data
MARINGOUIN STP	111	2.00	44.50		Permit and application data
N IBERVILLE SCHOOL	130	2.00	133.50		Permit and application data
BAYOU TRUCK STOP	163	2.00	133.50		Permit and application data
DAVID'S CATERING	167	2.00	133.50		Permit and application data
GRAND BAYOU	209	8.38	12.04		Winter critical temperature and TMDL Loading Spreadsheet
CATFISH CANAL	224	8.38	15.39		Winter critical temperature and TMDL Loading Spreadsheet
ICWW DIVERSION	249	4.61	11.69		Projection model instream values at diversion

	DATA TYPE 27 - LOWER BOUNDARY CONDITIONS		
Parameter	**Value**	**Units**	**Data Source**
TEMPERATURE	18.81	oCelcius	Winter critical temperature
SALINITY	0	ppt	
CONSERVATIVE MATERIAL I	15.9	mg/L	Site BGT8 field data
CONSERVATIVE MATERIAL II	35.2	mg/L	Site BGT8 field data
DISSOLVED OXYGEN	8.38	mg/L	90% DO saturation
BIOCHEMICAL OXYGEN DEMAND 1	6.48	mg/L	Calibration Model
CHLOROPHYLL A	10	ug/L	Louisiana Standard Practice, reduction in nutrients will cause a reduction in algae
COLIFORM	0	#/100 mL	
NONCONSERVATIVE MATERIAL	0	mg/L	

	DATA TYPE 28 - DAM DATA					
Dam Name	**EL #**	**Dam Reaeration Option**	**Water Quality Factor, "a"**	**Weir Dam aeration coeffient, "b"**	**Static head loss over dam, "H"**	**Data Source**
Livonia Weir	48	1	0.85	0.75	1.622	Model documentation and field data

Appendix E – Projection Model Development

Appendix E1 – Summer Loading

Summer Projection, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body: **Bayou Grosse Tete (Subsegment 120104)**

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

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

	Calibration Model Values															Reduced Man-Made Loads				Projected Model Loads						
Reach Number and Description	Non-Point UCBOD1	Non-Point UCBOD2	Total Non-Point UCBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Proj. Model Avg. Reach Width	Proj. Temp.	Background Benthic Load	Background Benthic Phosphorus	Effective Background Benthic Load	Man-Made Benthic Load	Background percentage reduction	Percentage Reduction of man-made sources	Reduced Background Benthic Load	Reduced Man-Made Benthic Load	Reduced TCBL adjusted for MOS	Reduced UCBOD1 Load	Reduced Total UCBOD Load	Reduced SOD Load at Projection Temp.	SOD @ 20°C	Non-Point UCBOD1 INPUTS	Total Non-Point UCBOD INPUTS	**Total MOS at Projection Temp.**	**Non-Point UCBOD1 LA**	**Non-Point UCBOD LA**	**SOD LA at Projection Temp.**
	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	Kilometers	Meters	(deg Celcius)	$g O_2/[(m^2)(day)]$	$g/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	%	%	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$kg O_2/day$	$kg O_2/day$	$kg O_2/day$	$g O_2/[(m^2)(day)]$	$kg O_2/day$	$kg O_2/day$	$kg O_2/day$	$kg O_2/day$	$kg O_2/day$	$kg O_2/day$
Reach 1 -- False River Canal - BGT2	2.541	0.000	2.541	1.35	3.891	2.69	32.92	28.34	1.830		1.83	2.06	0%	65%	1.83	0.72	2.73	41.71	41.71	37.47	0.948	157.96	157.96	19.80	147.54	147.54	132.54
Reach 2 -- BGT2 - Bayou Portage	2.813	0.000	2.813	1.50	4.313	1.89	32.92	28.34	1.830		1.83	2.48	0%	65%	1.83	0.87	2.92	35.26	35.26	31.79	1.014	118.33	118.33	16.76	109.52	109.52	98.75
Reach 3 -- Bayou Portage - Unnamed Canal	3.676	0.000	3.676	3.00	6.676	0.20	34.00	28.34	1.830		1.83	4.85	0%	65%	1.83	1.70	3.95	6.35	6.35	8.76	1.775	14.79	14.79	3.78	13.20	13.20	18.22
Reach 4 -- Unnamed Canal - Bayou Fordoche	2.273	0.000	2.273	3.75	6.023	2.75	36.00	28.34	1.830		1.83	4.19	0%	65%	1.83	1.47	3.66	54.82	54.82	152.94	2.282	136.89	136.89	51.94	123.19	123.19	343.67
Reach 5 -- Bayou Fordoche - BGT3	1.964	0.000	1.964	3.75	5.714	1.01	37.80	28.34	1.830		1.83	3.88	0%	65%	1.83	1.36	3.53	17.84	17.84	57.59	2.316	46.32	46.32	18.86	41.86	41.86	135.11
Reach 6 -- BGT3 - BGT3A	3.193	0.000	3.193	3.50	6.693	1.45	37.80	28.34	1.830		1.83	4.86	0%	65%	1.83	1.70	3.96	44.50	44.50	82.48	2.070	103.48	103.48	31.75	92.35	92.35	171.17
Reach 7 -- BGT3A - BGT3B	0.000	0.000	0.000	2.00	2.000	0.01	37.80	28.34	1.830		1.83	0.17	0%	65%	1.83	0.06	1.90	0.00	0.00	0.04	1.904	0.00	0.00	0.01	0.00	0.00	1.21
Reach 8 -- BGT3B - BGT4	1.394	0.000	1.394	3.25	4.644	8.21	22.71	28.34	1.83		1.83	2.81	0%	65%	1.83	0.99	3.06	55.14	55.14	217.30	2.142	171.37	171.37	68.11	157.59	157.59	621.00
Reach 9 -- BGT4 - BGT5	2.990	0.000	2.990	2.25	5.240	9.68	20.73	28.34	1.83		1.83	3.41	0%	65%	1.83	1.19	3.32	136.66	136.66	173.88	1.426	380.37	380.37	77.63	346.20	346.20	440.48
Reach 10 -- BGT5 - BGT6	4.422	0.000	4.422	1.35	5.772	11.05	22.00	28.34	1.83		1.83	3.94	0%	65%	1.83	1.38	3.55	256.96	256.96	132.64	0.831	662.03	662.03	97.40	597.79	597.79	308.57
Reach 11 -- BGT6 - Grand Bayou	5.349	0.000	5.349	1.40	6.749	2.22	23.16	28.34	1.83		1.83	4.92	0%	65%	1.83	1.72	3.98	70.15	70.15	31.05	0.826	162.26	162.26	25.30	144.72	144.72	64.05
Reach 12 -- Grand Bayou - Catfish Canal	2.901	0.000	2.901	1.50	4.401	3.75	29.87	28.34	1.83		1.83	2.57	0%	65%	1.83	0.90	2.96	66.46	66.46	58.09	1.007	218.20	218.20	31.14	201.58	201.58	176.21
Reach 13 -- Catfish Canal - ICWW Diversion	2.898	0.000	2.898	1.60	4.498	4.91	29.87	28.34	1.83		1.83	2.67	0%	65%	1.83	0.93	3.00	88.23	88.23	82.37	1.066	283.20	283.20	42.65	261.15	261.15	243.80
Reach 14 -- ICWW Diversion - BGT7	2.211	0.000	2.211	3.50	5.711	1.06	29.87	28.34	1.83		1.83	3.88	0%	65%	1.83	1.36	3.53	16.65	16.65	44.57	2.162	43.24	43.24	15.30	39.08	39.08	104.61
Reach 15 -- BGT7 - Intracoastal Waterway	2.135	0.000	2.135	3.50	5.635	1.96	29.87	28.34	1.83		1.83	3.81	0%	65%	1.83	1.33	3.49	29.54	29.54	81.88	2.171	77.52	77.52	27.86	70.14	70.14	194.40
Sub-Total											27.45	50.51			27.45	17.68	49.55	920.28	920.28	1192.86		2575.97	2575.97	528.29	**2345.90**	**2345.90**	**3053.79**

Summer TMDL calculations and Projection model calculations for Headwater / Tributary loads: Subsegment 120104

Bayou Grosse Tete (Subsegment 120104)

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

MOS (%) = **20%**

If modeling the nitrogen series, be sure that columns "H" & "R" are clear of all values.

Headwater / Tributary Load Determinations

	FROM CALIBRATION			BACKGROUND VALUES				Reduced Background Loads		Reduced Man-Made Loads		PROJECTION VALUES				
Headwater / Tributary Description and Reach #	Seasonal Critical flow (cms)	UCBOD1 ($mg O_2/L$)	Total UCBOD ($mg O_2/L$)	Background UCBOD1 conc. ($mg O_2/L$)	Background UCBOD conc. ($mg O_2/L$)	Background % Reduction	Percent reduction of Man-Made loads	Reduced Background UCBOD1 load ($kg O_2/day$)	Total reduced Background UCBOD load ($kg O_2/day$)	Reduced UCBOD1 load ($kg O_2/day$)	Reduced UCBOD load ($kg O_2/day$)	Projection UCBOD1 input conc. ($mg O_2/L$)	Projection UCBOD input conc. ($mg O_2/L$)	**Total MOS ($kg O_2/day$)**	**Total CBOD1 LA ($kg O_2/day$)**	**Total CBOD LA ($kg O_2/day$)**
False River Overflow Canal	0.00283	11.88	11.88	8.60	8.60	0%	65%	2.10	2.10	0.28	0.28	10.04	10.04	**0.07**	**2.38**	**2.38**
Bayou Portage	0.00283	15.15	15.15	8.60	8.60	0%	65%	2.10	2.10	0.56	0.56	11.47	11.47	**0.14**	**2.66**	**2.66**
Bayou Fordoche	0.00283	15.92	15.92	8.60	8.60	0%	65%	2.10	2.10	0.63	0.63	11.80	11.80	**0.16**	**2.73**	**2.73**
Grand Bayou	0.00283	16.47	16.47	8.60	8.60	0%	65%	2.10	2.10	0.67	0.67	12.04	12.04	**0.17**	**2.78**	**2.78**
Catfish Canal	0.00283	24.13	24.13	8.60	8.60	0%	65%	2.10	2.10	1.33	1.33	15.39	15.39	**0.33**	**3.43**	**3.43**
SUB-TOTAL TMDL LOADING								**10.51**	**10.51**	**3**	**3.47**			**0.87**	**13.98**	**13.98**

Summer TMDL Calculations for Point Source loads: Subsegment 120104

Bayou Grosse Tete (Subsegment 120104)

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 Phosphorus Loads			Sub-Total of Point Source BOD 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 Load (kg/day)**	**Loads (kg/day)**	**WLA (kg/day)**	**Reserve/ MOS (kg/day)**
			A	**A1 = A/(1-E)**	**B**	**C**	**E**	**F = 2.3 x B**	**G = (86.4)(A1)(F)**	**H = (1-E) x G**	**I = (E)(G)**	**J = 4.3 x C**	**K = (86.4)(A1)(J)**	**L = (1-E) x K**	**M = (D)(K)**	**N = 86.4(A1)(D)**	**O = (1-E) x N**	**P = E x N**	**G + K + N**	**H + L + O**	**I + M + P**
Town of Maringouin STP	Bayou Grosse Tete	YES	0.006572	0.00822	10.0	5.0	20%	23.0	16.32	13.06	3.26	21.50	15.26	12.21	3.05	0.00	0.00	0.00	**31.59**	**25.27**	**6.32**
Union Pacific Railroad CO	Bayou Grosse Tete	YES	0.000135	0.00017	30.0	15.0	20%	69.0	1.01	0.80	0.20	64.50	0.94	0.75	0.19	0.00	0.00	0.00	**1.95**	**1.56**	**0.39**
David's Catering & Café	Bayou Grosse Tete	YES	0.000046	0.00006	30.0	15.0	20%	69.0	0.34	0.27	0.07	64.50	0.32	0.26	0.06	0.00	0.00	0.00	**0.66**	**0.53**	**0.13**
North Iberville Elementary & High School	Bayou Grosse Tete	YES	0.000682	0.00085	30.0	15.0	20%	69.0	5.08	4.07	1.02	64.50	4.75	3.80	0.95	0.00	0.00	0.00	**9.83**	**7.87**	**1.97**
LA Laborers Training Fund	Bayou Grosse Tete	YES	0.000296612	0.00037	30.0	15.0	20%	69.0	2.21	1.77	0.44	64.50	2.07	1.65	0.41	0.00	0.00	0.00	**4.28**	**3.42**	**0.86**
Lodging Enterprises Inc - Oak Tree Inn	Bayou Grosse Tete	YES	0.000309	0.00039	30.0	15.0	20%	69.0	2.30	1.84	0.46	64.50	2.15	1.72	0.43	0.00	0.00	0.00	**4.46**	**3.56**	**0.89**
Pointe Coupee PH School Board	Bayou Grosse Tete	YES	0.000396	0.00050	30.0	15.0	20%	69.0	2.95	2.36	0.59	64.50	2.76	2.21	0.55	0.00	0.00	0.00	**5.71**	**4.57**	**1.14**
Bayou Truck Stop	Bayou Grosse Tete	YES	0.000538895	0.00067	30.0	15.0	20%	69.0	4.02	3.21	0.80	64.50	3.75	3.00	0.75	0.00	0.00	0.00	**7.77**	**6.22**	**1.55**
Village of Morganza	Portage Canal	NO	0.005475	0.00684	10.0	5.0	20%	23.0	13.60	10.88	2.72	21.50	12.71	10.17	2.54	0.00	0.00	0.00	**26.31**	**21.05**	**5.26**
Reliable Prod Serv Inc - Livonia	Bayou Grosse Tete	NO	0.046879521	0.05860	30.0	15.0	20%	69.0	349.35	279.48	69.87	64.50	326.56	261.25	65.31	0.00	0.00	0.00	**675.91**	**540.73**	**135.18**
Pointe Coupee PH School Board	Bayou Grosse Tete	NO	0.000205043	0.00026	30.0	15.0	20%	69.0	1.53	1.22	0.31	64.50	1.43	1.14	0.29	0.00	0.00	0.00	**2.96**	**2.37**	**0.59**
Grosse Tete Welcome Center	Bayou Grosse Tete	NO	0.000003	0.00000	45.0	15.0	20%	103.5	0.03	0.03	0.01	64.50	0.02	0.02	0.00	0.00	0.00	0.00	**0.05**	**0.04**	**0.01**
Pointe Coupee PH School Board	Bayou Portage	NO	0.001007	0.00126	30.0	15.0	20%	69.0	7.50	6.00	1.50	64.50	7.01	5.61	1.40	0.00	0.00	0.00	**14.52**	**11.62**	**2.90**
Ewing's of Livonia LLC - LA Express #11	Bayou Grosse Tete	NO	0.000336	0.00042	30.0	15.0	20%	69.0	2.50	2.00	0.50	64.50	2.34	1.87	0.47	0.00	0.00	0.00	**4.84**	**3.88**	**0.97**
Livonia Travel Plaza	Bayou Grosse Tete	NO	0.000395	0.00049	30.0	15.0	20%	69.0	2.94	2.35	0.59	64.50	2.75	2.20	0.55	0.00	0.00	0.00	**5.70**	**4.56**	**1.14**
Village of Grosse Tete STP	Catfish Canal	NO	0.001314379	0.00164	20.0	10.0	20%	46.0	6.53	5.22	1.31	43.00	6.10	4.88	1.22	0.00	0.00	0.00	**12.63**	**10.11**	**2.53**
Pointe Coupee Sewer District #3A - Delta Place Subdivision	Portage Canal	NO	0.003066	0.00383	10.0	5.0	20%	23.0	7.62	6.09	1.52	21.50	7.12	5.70	1.42	0.00	0.00	0.00	**14.74**	**11.79**	**2.95**
Pointe Coupee Parish Police Jury - Mandella WWTP	Portage Canal	NO	0.001533	0.00192	10.0	5.0	20%	23.0	3.81	3.05	0.76	21.50	3.56	2.85	0.71	0.00	0.00	0.00	**7.37**	**5.89**	**1.47**
Cajun Land Properties LLC # 1	Bayou Grosse Tete	NO	0.000131438	0.00016	30.0	15.0	20%	69.0	0.98	0.78	0.20	64.50	0.92	0.73	0.18	0.00	0.00	0.00	**1.90**	**1.52**	**0.38**
Wildgame Innovations LLC	Portage Canal	NO	0.000061338	0.00008	30.0	15.0	20%	69.0	0.46	0.37	0.09	64.50	0.43	0.34	0.09	0.00	0.00	0.00	**0.88**	**0.71**	**0.18**
SUB-TOTAL Loads									**431.09**	**344.87**	**86.22**		**402.96**	**322.37**	**80.59**	**0.00**	**0.00**	**0.00**	**834.05**	**667.24**	**166.81**

(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]

Appendix E2 – Winter Loading

Winter Projection, Non-Point Benthic Load Input and TMDL Calculations: Subsegment 120104

Modeled stream or water body: **Bayou Grosse Tete (Subsegment 120104)**

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

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

	Calibration Model Values															Reduced Man-Made Loads				Projected Model Loads					
Reach Number and Description	Non-Point UCBOD1	Total Non-Point UCBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Proj. Model Avg. Reach Width	Proj. Temp.	Background Benthic Load	Effective Background Benthic Load	Man-Made Benthic Load	Background percentage reduction	Percentage Reduction of man-made sources	Reduced Background Benthic Load	Reduced Man-Made Benthic Load	Reduced TCBL adjusted for MOS	Reduced UCBOD1 Load	Reduced Total UCBOD Load	Reduced SOD Load at Projection Temp.	SOD @ 20°C	Non-Point UCBOD1 INPUTS	Total Non-Point UCBOD INPUTS	**Total MOS at Projection Temp.**	**Non-Point UCBOD1 LA**	**Non-Point UCBOD LA**	**SOD LA at Projection Temp.**
	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	Kilometers	Meters	(deg Celcius)	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	%	%	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$g O_2/[(m^2)(day)]$	$kg O_2$/day	$kg O_2$/day	$kg O_2$/day	$g O_2/[(m^2)(day)]$	$kg O_2$/day	$kg O_2$/day	$kg O_2$/day	$kg O_2$/day	$kg O_2$/day	$kg O_2$/day
Reach 1 -- False River Canal - BGT2	2.541	2.541	1.35	3.891	2.69	32.92	18.81	1.830	1.83	2.06	0%	60%	1.83	0.82	2.86	47.67	47.67	23.50	0.992	165.41	165.41	17.79	153.50	153.50	75.67
Reach 2 -- BGT2 - Bayou Portage	2.813	2.813	1.50	4.313	1.89	32.92	18.81	1.830	1.83	2.48	0%	60%	1.83	0.99	3.07	40.30	40.30	19.94	1.068	124.63	124.63	15.06	114.55	114.55	56.68
Reach 3 -- Bayou Portage - Unnamed Canal	3.676	3.676	3.00	6.676	0.20	34.00	18.81	1.830	1.83	4.85	0%	60%	1.83	1.94	4.25	7.26	7.26	5.50	1.911	15.93	15.93	3.19	14.11	14.11	10.68
Reach 4 -- Unnamed Canal - Bayou Fordoche	2.273	2.273	3.75	6.023	2.75	36.00	18.81	1.830	1.83	4.19	0%	60%	1.83	1.68	3.93	62.65	62.65	95.91	2.445	146.68	146.68	39.64	131.02	131.02	200.57
Reach 5 -- Bayou Fordoche - BGT3	1.964	1.964	3.75	5.714	1.01	37.80	18.81	1.830	1.83	3.88	0%	60%	1.83	1.55	3.77	20.39	20.39	36.12	2.475	49.51	49.51	14.13	44.41	44.41	78.65
Reach 6 -- BGT3 - BGT3A	3.193	3.193	3.50	6.693	1.45	37.80	18.81	1.830	1.83	4.86	0%	60%	1.83	1.95	4.26	50.86	50.86	51.73	2.228	111.42	111.42	25.65	98.71	98.71	100.39
Reach 7 -- BGT3A - BGT3B	0.000	0.000	2.00	2.000	0.01	37.80	18.81	1.830	1.83	0.17	0%	60%	1.83	0.07	1.92	0.00	0.00	0.02	1.915	0.00	0.00	0.01	0.00	0.00	0.67
Reach 8 -- BGT3B - BGT4	1.394	1.394	3.25	4.644	8.21	22.71	18.81	1.830	1.83	2.81	0%	60%	1.83	1.13	3.24	63.02	63.02	136.28	2.265	181.22	181.22	49.82	165.47	165.47	357.80
Reach 9 -- BGT4 - BGT5	2.990	2.990	2.25	5.240	9.68	20.73	18.81	1.830	1.83	3.41	0%	60%	1.83	1.36	3.54	156.18	156.18	109.04	1.518	404.77	404.77	66.31	365.72	365.72	255.34
Reach 10 -- BGT5 - BGT6	4.422	4.422	1.35	5.772	11.05	22.00	18.81	1.830	1.83	3.94	0%	60%	1.83	1.58	3.80	293.67	293.67	83.18	0.889	707.91	707.91	94.21	634.49	634.49	179.72
Reach 11 -- BGT6 - Grand Bayou	5.349	5.349	1.40	6.749	2.22	23.16	18.81	1.830	1.83	4.92	0%	60%	1.83	1.97	4.29	80.17	80.17	19.47	0.890	174.79	174.79	24.91	154.74	154.74	37.58
Reach 12 -- Grand Bayou - Catfish Canal	2.901	2.901	1.50	4.401	3.75	29.87	18.81	1.830	1.83	2.57	0%	60%	1.83	1.03	3.12	75.95	75.95	36.43	1.062	230.06	230.06	28.09	211.08	211.08	101.24
Reach 13 -- Catfish Canal - ICWW Diversion	2.898	2.898	1.60	4.498	4.91	29.87	18.81	1.830	1.83	2.67	0%	60%	1.83	1.07	3.16	100.83	100.83	51.65	1.125	298.96	298.96	38.12	273.75	273.75	140.23
Reach 14 -- ICWW Diversion - BGT7	2.211	2.211	3.50	5.711	1.06	29.87	18.81	1.830	1.83	3.88	0%	60%	1.83	1.55	3.77	19.03	19.03	27.95	2.311	46.22	46.22	11.74	41.46	41.46	60.89
Reach 15 -- BGT7 - Intracoastal Waterway	2.135	2.135	3.50	5.635	1.96	29.87	18.81	1.830	1.83	3.81	0%	60%	1.83	1.52	3.73	33.76	33.76	51.35	2.318	82.80	82.80	21.28	74.36	74.36	113.09
Sub-Total									27.45	50.51			27.45	20.20	52.71	1051.75	1051.75	748.07		2740.31	2740.31	449.96	**2477.37**	**2477.37**	**1769.21**

Winter TMDL calculations and Projection model calculations for Headwater / Tributary loads: Subsegment 120104

Bayou Grosse Tete (Subsegment 120104)

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

MOS (%) = **20%**

If modeling the nitrogen series, be sure that columns "H" & "R" are clear of all values.

Headwater / Tributary Load Determinations

	FROM CALIBRATION			BACKGROUND VALUES				**Reduced Background Loads**		**Reduced Man-Made Loads**		**PROJECTION VALUES**				
Headwater / Tributary Description and Reach #	Seasonal Critical flow (cms)	UCBOD1 ($mg O_2/L$)	Total UCBOD ($mg O_2/L$)	Background UCBOD1 conc. ($mg O_2/L$)	Background UCBOD conc. ($mg O_2/L$)	Background % Reduction	Percent reduction of Man-Made loads	Reduced Background UCBOD1 load ($kg O_2$/day)	Total reduced Background UCBOD load ($kg O_2$/day)	Reduced UCBOD1 load ($kg O_2$/day)	Reduced UCBOD load ($kg O_2$/day)	Projection UCBOD1 input conc. ($mg O_2/L$)	Projection UCBOD input conc. ($mg O_2/L$)	**Total MOS ($kg O_2$/day)**	**Total CBOD1 LA ($kg O_2$/day)**	**Total CBOD LA ($kg O_2$/day)**
False River Overflow Canal	0.02830	11.63	11.63	8.60	8.60	0%	60%	21.03	21.03	2.96	2.96	10.12	10.12	**0.74**	**23.99**	**23.99**
Bayou Portage	0.02830	15.15	15.15	8.60	8.60	0%	60%	21.03	21.03	6.41	6.41	11.88	11.88	**1.60**	**27.43**	**27.43**
Bayou Fordoche	0.02830	15.92	15.92	8.60	8.60	0%	60%	21.03	21.03	7.16	7.16	12.26	12.26	**1.79**	**28.19**	**28.19**
Grand Bayou	0.02830	16.47	16.47	8.60	8.60	0%	60%	21.03	21.03	7.70	7.70	12.54	12.54	**1.92**	**28.73**	**28.73**
Catfish Canal	0.02830	24.13	24.13	8.60	8.60	0%	60%	21.03	21.03	15.19	15.19	16.37	16.37	**3.80**	**36.22**	**36.22**
SUB-TOTAL TMDL LOADING								**105.14**	**105.14**	**39**	**39.42**			**9.85**	**144.56**	**144.56**

Winter TMDL Calculations for Point Source loads: Subsegment 120104

Bayou Grosse Tete (Subsegment 120104)

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 Phosphorus Loads			Sub-Total of Point Source BOD 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 Load (kg/day)**	**Loads (kg/day)**	**WLA (kg/day)**	**Reserve/ MOS (kg/day)**
			A	**A1 = A/(1-E)**	**B**	**C**	**E**	**F = 2.3 x B**	**G = (86.4)(A1)(F)**	**H = (1-E) x G**	**I = (E)(G)**	**J = 4.3 x C**	**K = (86.4)(A1)(J)**	**L = (1-E) x K**	**M = (D)(K)**	**N = 86.4(A1)(D)**	**O = (1-E) x N**	**P = E x N**	**G + K + N**	**H + L + O**	**I + M + P**
Town of Maringouin STP	Bayou Grosse Tete	YES	0.006572	0.00822	10.0	5.0	20%	23.0	16.32	13.06	3.26	21.5	15	12	3	0	0	0	**31.59**	**25.27**	**6.32**
Union Pacific Railroad CO	Bayou Grosse Tete	YES	0.000135	0.00017	30.0	15.0	20%	69.0	1.01	0.80	0.20	64.5	1	1	0	0	0	0	**1.95**	**1.56**	**0.39**
David's Catering & Café	Bayou Grosse Tete	YES	0.000046	0.00006	30.0	15.0	20%	69.0	0.34	0.27	0.07	64.5	0	0	0	0	0	0	**0.66**	**0.53**	**0.13**
North Iberville Elementary & High School	Bayou Grosse Tete	YES	0.000682	0.00085	30.0	15.0	20%	69.0	5.08	4.07	1.02	64.5	5	4	1	0	0	0	**9.83**	**7.87**	**1.97**
LA Laborers Training Fund	Bayou Grosse Tete	YES	0.00029661	0.00037	30.0	15.0	20%	69.0	2.21	1.77	0.44	64.5	2	2	0	0	0	0	**4.28**	**3.42**	**0.86**
Lodging Enterprises Inc - Oak Tree Inn	Bayou Grosse Tete	YES	0.000309	0.00039	30.0	15.0	20%	69.0	2.30	1.84	0.46	64.5	2	2	0	0	0	0	**4.46**	**3.56**	**0.89**
Pointe Coupee PH School Board	Bayou Grosse Tete	YES	0.000396	0.00050	30.0	15.0	20%	69.0	2.95	2.36	0.59	64.5	3	2	1	0	0	0	**5.71**	**4.57**	**1.14**
Bayou Truck Stop	Bayou Grosse Tete	YES	0.0005389	0.00067	30.0	15.0	20%	69.0	4.02	3.21	0.80	64.5	4	3	1	0	0	0	**7.77**	**6.22**	**1.55**
Village of Morganza	Portage Canal	NO	0.005475	0.00684	10.0	5.0	20%	23.0	13.60	10.88	2.72	21.5	13	10	3	0	0	0	**26.31**	**21.05**	**5.26**
Reliable Prod Serv Inc - Livonia	Bayou Grosse Tete	NO	0.04687952	0.05860	30.0	15.0	20%	69.0	349.35	279.48	69.87	64.5	327	261	65	0	0	0	**675.91**	**540.73**	**135.18**
Pointe Coupee PH School Board	Bayou Grosse Tete	NO	0.00020504	0.00026	30.0	15.0	20%	69.0	1.53	1.22	0.31	64.5	1	1	0	0	0	0	**2.96**	**2.37**	**0.59**
Grosse Tete Welcome Center	Bayou Grosse Tete	NO	0.000003	0.00000	45.0	15.0	20%	103.5	0.03	0.03	0.01	64.5	0	0	0	0	0	0	**0.05**	**0.04**	**0.01**
Pointe Coupee PH School Board	Bayou Portage	NO	0.001007	0.00126	30.0	15.0	20%	69.0	7.50	6.00	1.50	64.5	7	6	1	0	0	0	**14.52**	**11.62**	**2.90**
Ewing's of Livonia LLC - LA Express #11	Bayou Grosse Tete	NO	0.000336	0.00042	30.0	15.0	20%	69.0	2.50	2.00	0.50	64.5	2	2	0	0	0	0	**4.84**	**3.88**	**0.97**
Livonia Travel Plaza	Bayou Grosse Tete	NO	0.000395	0.00049	30.0	15.0	20%	69.0	2.94	2.35	0.59	64.5	3	2	1	0	0	0	**5.70**	**4.56**	**1.14**
Village of Grosse Tete STP	Catfish Canal	NO	0.00131438	0.00164	20.0	10.0	20%	46.0	6.53	5.22	1.31	43.0	6	5	1	0	0	0	**12.63**	**10.11**	**2.53**
Pointe Coupee Sewer District #3A - Delta Place Subdivision	Portage Canal	NO	0.003066	0.00383	10.0	5.0	20%	23.0	7.62	6.09	1.52	21.5	7	6	1	0	0	0	**14.74**	**11.79**	**2.95**
Pointe Coupee Parish Police Jury - Mandella WWTP	Portage Canal	NO	0.001533	0.00192	10.0	5.0	20%	23.0	3.81	3.05	0.76	21.5	4	3	1	0	0	0	**7.37**	**5.89**	**1.47**
Cajun Land Properties LLC # 1	Bayou Grosse Tete	NO	0.00013144	0.00016	30.0	15.0	20%	69.0	0.98	0.78	0.20	64.5	1	1	0	0	0	0	**1.90**	**1.52**	**0.38**
Wildgame Innovations LLC	Portage Canal	NO	0.000061338	0.00008	30.0	15.0	20%	69.0	0.46	0.37	0.09	64.5	0	0	0	0	0	0	**0.88**	**0.71**	**0.18**
SUB-TOTAL Loads									**431.09**	**344.87**	**86.22**		**402.96**	**322.37**	**80.59**	**0.00**	**0.00**	**0.00**	**834.05**	**667.24**	**166.81**

(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]

Appendix E3 – Critical Temperature and DO Saturation Calculations

Critical Temperature and DO Determinations:

SITE NUMBER: 970

SITE DESCRIPTION: Bayou Grosse Tete, Louisiana

	Summer Season	***Winter Season***
90th Percentile Temperature(°C):	28.26	18.73
90 % DO Sat (mg/L):	7.01	8.39
Months:	May To Oct	Nov To Apr

Date	***Water Temp. (°C)***	***DO (mg/L)***
11/16/2004	16.96	0.39
10/4/2004	23.79	2.59
8/24/2004	27.47	2.19
7/27/2004	27.50	3.80
6/29/2004	24.40	4.03
6/2/2004	25.02	2.73
5/4/2004	18.00	4.30
4/13/2004	16.93	3.12
3/9/2004	18.56	5.19
2/3/2004	10.68	6.61
1/6/2004	10.88	3.58
11/28/2000	13.59	4.50
10/24/2000	19.86	4.35
9/26/2000	24.47	1.80
8/29/2000	28.80	5.98
8/1/2000	28.41	2.00
6/6/2000	26.89	1.34
5/30/2000	27.67	7.13
5/2/2000	22.55	4.31
4/4/2000	19.40	3.86
2/29/2000	17.80	4.50
2/1/2000	8.75	7.27

Appendix F – Survey Data Measurements and Analysis Results

Appendix F1 – Water Quality Data

Bayou Grosse Tete Subsegment 120104 Insitu Data Summary												
SITE ID	Gage Height (ft)	Depth (m)	Date	Time	Temp, C	pH	Specific Conductance	DO Sat.	DO	Battery	Secchi Disc (inches)	Salinity
BGT1A		0.3	9/25/2001	10:10:00 AM	21.99	7.3	434	37.4	3.26	8.1	24 (bottom)	0.21
BGT1B		0.36	9/25/2001	9:40:00 AM	21.82	7.21	432.2	26.6	2.33	8.1	30 (bottom)	0.21
BGT2	6.26	0.45	9/25/2001	9:05:00 AM	23.35	7.22	203	47.5	4.03	4.5	10	
BGT3		0.35	9/25/2001	12:15:00 PM	24.3	7.39	328	32.6	2.8	4.6	14	
BGT4		1	9/25/2001	4:20:00 PM	25.91	7.23	276	94.9	7.56	7.6	15.6	0.13
BGT5	0.94	1	9/25/2001	2:00:00 PM	25.56	6.91	283.6	40.9	3.28	7.6	24	0.14
BGT5	0.94	2	9/25/2001	2:00:00 PM	24.87	6.83	283.2	16.6	1.39	7.6	24	
BGT6		1	9/25/2001	12:00:00 PM	24.55	6.83	249.5	18.7	1.52	7.6	18	
BGT7		0.45	9/25/2001	4:45:00 PM	25.07	6.97	224.2	34.4	2.85	8.1	1	0.11
BGT8		1	9/25/2001	5:20:00 PM	27.24	7.39	337.8	62.6	4.98	8.1		0.16
BGT8		2	9/25/2001	5:20:00 PM	27.24	7.38	337.9	63.6	5.05	8		0.16
BGT8		3	9/25/2001	5:20:00 PM	27.24	7.38	336.9	63.3	4.93	8		0.16
BGT9		0.33	9/25/2001	10:00:00 AM	23.25	7.35	493	43.1	3.69	4.4	18	
BGT12		0.45	9/25/2001	2:35:00 PM	21.72	7.35	292	54.1	4.84	4.6	18	
BGT13		1	9/25/2001	12:00:00 PM	21.7	7.14	328	31.5	2.77	4.2	0.5	
BGT14		0.07	9/25/2001	9:40:00 AM	19.1	6.72	403.9	46.1	4.26	7.6	2.4	
BGT15		1	9/25/2001	5:00:00 PM	25.3	6.98	222	18.4	1.5	4.2	1	

Bayou Grosse Tete Subsegment 120104 WQ Lab Data Summary																			
SITE ID	Date	Time	Alk.	NH3	Chloride	Hard.	Nit-Nit	pH	Sodium	Spec. Cond.	Sulf.	TDS	TKN	TOC	TP	TSS	Turb.	Chlor. A	Color
BGT1A	9/25/2001	10:10:00 AM	213	0.14	13.2	208	0.20	7.73	16.8	450	16.2	266	0.98	8.2	0.08	5.0	7.7	10.2	22
BGT1B	9/25/2001	9:40:00 AM	210	0.18	13.0	206	0.18	7.86	16.6	449	15.7	240	0.98	7.1	0.10	ND	6.6	17.2	21
BGT2	9/25/2001	9:05:00 AM	102	ND	4.3	98	ND	7.56	5.7	214	4.3	127	1.50	7.5	0.30	41.0	41		55
BGT2	9/25/2001	3:05:00 PM																65.1	
BGT3	9/25/2001	12:15:00 PM	165	0.16	6.8	160	0.08	7.63	11.3	346	10.9	227	1.54	12.4	0.37	47.0	45		95
BGT3	9/25/2001	3:15:00 PM																41.9	
BGT3	9/25/2001	3:30:00 PM																43.0	
BGT4	9/25/2001	4:20:00 PM	134	ND	5.5	130	0.10	7.57	8.3	284	8.1	176	1.65	13.8	0.35	17.0	14		95
BGT4	9/25/2001	5:50:00 PM																83.2	
BGT5	9/25/2001	2:00:00 PM	138	0.56	5.7	134	ND	7.58	8.2	292	7.3	191	1.78	14.6	0.97	ND	6.9		110
BGT5	9/25/2001	6:00:00 PM																25.7	
BGT5	9/25/2001	6:10:00 PM																27.6	
BGT6	9/25/2001	12:00:00 PM	121	0.27	5.3	120	0.06	7.48	6.5	262	6.1	188	1.71	17.1	0.92	10.7	12		115
BGT6	9/25/2001	3:35:00 PM																36.0	
BGT7	9/25/2001	4:45:00 PM	106	0.28	4.7	110	0.05	7.45	4.7	234	7.5	173	1.70	19.2	0.75	23.0	29		140
BGT7	9/25/2001	6:45:00 PM																28.4	
BGT8	9/25/2001	5:20:00 PM	119	ND	15.9	140	0.33	7.51	18.2	353	35.2	225	1.03	6.9	0.26	65.0	60		50
BGT8	9/25/2001	6:55:00 PM																14.6	
BGT9	9/25/2001	10:00:00 AM	243	ND	8.4	258	0.11	7.85	14.3	529	34.3	303	1.04	5	0.06	26.0	19		20
BGT9	9/25/2001	3:40:00 PM																45.6	
BGT12	9/25/2001	2:35:00 PM	157	0.25	6.2	149	0.19	7.77	10.2	326	5.9	210	1.47	14.1	0.47	32.0	29		95
BGT12	9/25/2001	7:00:00 PM																9.1	
BGT13	9/25/2001	12:00:00 PM	153	0.17	7.4	168	ND	7.65	6.4	339	15.3	229	1.61	17.6	0.58	75.0	55		120
BGT13	9/25/2001	3:45:00 PM																9.4	
BGT14	9/25/2001	9:40:00 AM	189	0.16	12.0	207	ND	7.71	12.5	427	20.9	280	1.93	20.4	0.71	80.0	55		120
BGT14	9/25/2001	7:05:00 PM																24.5	
BGT15	9/25/2001	3:50:00 PM																23.6	
BGT15	9/25/2001	5:00:00 PM	105	0.32	4.4	110	ND	7.48	4.7	233	7.5	172	1.74	20.9	0.83	22.0	22		150

SITE ID NUMBER	LAB ID NUMBER	LAB SAMPLE TYPE	ANALYSIS NAME	RESULT	ANALYSIS READ DATE	DATE NITRATES SAMPLED
BGT2	AD23509	TRG	Alkalinity	102	9/26/2001	
BGT2	AD23509	TRG	Chloride, Ion Chromatograph	4.3	10/15/2001	
BGT2	AD23509	TRG	Specific Conductance	214	9/26/2001	
BGT2	AD23509	TRG	Sulfate	4.3	10/15/2001	
BGT2	AD23509	TRG	TDS	127	9/27/2001	
BGT2	AD23509	TRG	True Color	55	9/26/2001	
BGT2	AD23509	TRG	TSS	41.0	9/27/2001	
BGT2	AD23509	TRG	Turbidity	41	9/26/2001	
BGT2	AD23510	TRG	Sodium	5.7	11/28/2001	
BGT2	AD23511	TRG	Ammonia-Nitrogen	ND	9/26/2001	
BGT2	AD23511	TRG	Hardness	98	10/11/2001	
BGT2	AD23511	TRG	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT2	AD23511	TRG	TKN	1.50	10/15/2001	
BGT2	AD23511	TRG	TP	0.30	10/17/2001	
BGT2	AD23512	TRG	TOC	7.5	10/4/2001	
BGT2	AD23513	TRG	NO2NO3 - Final	1.01	12/3/2001	11/26/2001
BGT2	AD23513	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 2	ND	10/3/2001	10/2/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 3	0.07	10/12/2001	10/5/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 4	0.43	10/12/2001	10/9/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 5	0.53	10/18/2001	10/12/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 6	0.69	10/18/2001	10/16/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 7	0.81	11/8/2001	10/26/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 8	0.96	11/8/2001	11/5/2001
BGT2	AD23513	TRG	NO2NO3 - Reading 9	0.78	12/3/2001	11/15/2001
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Final	22.1	11/26/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 1	3.5	9/28/2001	

BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 2	7.8	10/2/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 3	10.1	10/5/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 4	13.7	10/9/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 5	15.1	10/12/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 6	16.7	10/16/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 7	18.8	10/26/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 8	20.3	11/5/2001	
BGT2	AD23513	TRG	Non-Filtered BOD 60 - Reading 9	21.3	11/15/2001	
BGT2	AD23513	TRG	pH, Ultimate BOD survey	7.56	11/26/2001	
BGT2	AD23513	TRG	TKN (60 Day BOD)	0.63	12/2/2001	
BGT2	AD23513	TRG	TOC (60 Day BOD)	9.4	12/8/2001	
BGT2	AD23994	TRG	Chlorophyll A (calculated)	65.1	10/12/2001	
BGT2	AD23994	TRG	Chlorophyll A (raw)	976	10/12/2001	
BGT2	AD23994	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT3	AD23524	TRG	Alkalinity	164	9/26/2001	
BGT3	AD23524	TRG	Chloride, Ion Chromatograph	6.6	10/15/2001	
BGT3	AD23524	TRG	Specific Conductance	346	9/26/2001	
BGT3	AD23524	TRG	Sulfate	11.1	10/15/2001	
BGT3	AD23524	TRG	TDS	221	9/28/2001	
BGT3	AD23524	TRG	True Color	95	9/26/2001	
BGT3	AD23524	TRG	TSS	22.0	9/27/2001	
BGT3	AD23524	TRG	Turbidity	45	9/26/2001	
BGT3	AD23525	TRG	Sodium	11.5	11/28/2001	
BGT3	AD23526	TRG	Ammonia-Nitrogen	0.20	9/27/2001	
BGT3	AD23526	TRG	Hardness	161	10/11/2001	
BGT3	AD23526	TRG	Nitrate+Nitrite Nitrogen	0.09	9/27/2001	
BGT3	AD23526	TRG	TKN	1.84	10/15/2001	
BGT3	AD23526	TRG	TP	0.35	10/15/2001	
BGT3	AD23527	TRG	TOC	14.1	10/4/2001	
BGT3	AD23528	TRG	NO2NO3 - Final	0.87	12/3/2001	11/26/2001
BGT3	AD23528	TRG	NO2NO3 - Initial Reading	0.08	9/27/2001	9/26/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 1	0.08	10/3/2001	9/28/2001

BGT3	AD23528	TRG	NO2NO3 - Reading 2	0.09	10/3/2001	10/2/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 3	0.22	10/12/2001	10/5/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 4	0.54	10/12/2001	10/9/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 5	0.56	10/18/2001	10/12/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 6	0.63	10/18/2001	10/16/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 7	0.69	11/8/2001	10/26/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 8	0.80	11/8/2001	11/5/2001
BGT3	AD23528	TRG	NO2NO3 - Reading 9	0.76	12/3/2001	11/15/2001
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Final	19.7	11/26/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 1	2.6	9/28/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 2	6.2	10/2/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 3	8.6	10/5/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 4	11.4	10/9/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 5	12.4	10/12/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 6	13.6	10/16/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 7	15.7	10/26/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 8	17.5	11/5/2001	
BGT3	AD23528	TRG	Non-Filtered BOD 60 - Reading 9	18.7	11/15/2001	
BGT3	AD23528	TRG	pH, Ultimate BOD survey	7.73	11/26/2001	
BGT3	AD23528	TRG	TKN (60 Day BOD)	0.82	12/2/2001	
BGT3	AD23528	TRG	TOC (60 Day BOD)	11.9	12/8/2001	
BGT3	AD23995	TRG	Chlorophyll A (calculated)	41.9	10/12/2001	
BGT3	AD23995	TRG	Chlorophyll A (raw)	628	10/12/2001	
BGT3	AD23995	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT3	AD23996	TRG	Chlorophyll A (calculated)	43.0	10/12/2001	
BGT3	AD23996	TRG	Chlorophyll A (raw)	645	10/12/2001	
BGT3	AD23996	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT3	AD23514	FB	Alkalinity	ND	9/26/2001	
BGT3	AD23514	FB	Chloride, Ion Chromatograph	ND	10/15/2001	
BGT3	AD23514	FB	Specific Conductance	ND	9/26/2001	
BGT3	AD23514	FB	Sulfate	ND	10/15/2001	
BGT3	AD23514	FB	TDS	ND	9/28/2001	

BGT3	AD23514	FB	True Color	ND	9/26/2001	
BGT3	AD23514	FB	TSS	ND	9/27/2001	
BGT3	AD23514	FB	Turbidity	ND	9/26/2001	
BGT3	AD23515	FB	Sodium	ND	11/28/2001	
BGT3	AD23516	FB	Ammonia-Nitrogen	ND	9/26/2001	
BGT3	AD23516	FB	Hardness	ND	10/11/2001	
BGT3	AD23516	FB	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT3	AD23516	FB	TKN	ND	10/15/2001	
BGT3	AD23516	FB	TP	ND	10/15/2001	
BGT3	AD23517	FB	TOC	ND	10/4/2001	
BGT3	AD23518	FB	NO2NO3 - Final	ND	12/3/2001	11/26/2001
BGT3	AD23518	FB	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT3	AD23518	FB	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT3	AD23518	FB	NO2NO3 - Reading 2	ND	10/3/2001	10/2/2001
BGT3	AD23518	FB	NO2NO3 - Reading 3	ND	10/12/2001	10/5/2001
BGT3	AD23518	FB	NO2NO3 - Reading 4	ND	10/12/2001	10/9/2001
BGT3	AD23518	FB	NO2NO3 - Reading 5	0.05	10/18/2001	10/12/2001
BGT3	AD23518	FB	NO2NO3 - Reading 6	ND	10/18/2001	10/16/2001
BGT3	AD23518	FB	NO2NO3 - Reading 7	ND	11/8/2001	10/26/2001
BGT3	AD23518	FB	NO2NO3 - Reading 8	ND	11/8/2001	11/5/2001
BGT3	AD23518	FB	NO2NO3 - Reading 9	ND	12/3/2001	11/15/2001
BGT3	AD23518	FB	Non-Filtered BOD 60 - Final	0.2	11/26/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 1	0.1	9/28/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 2	0.1	10/2/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 3	0.1	10/5/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 4	0.1	10/9/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 5	0.1	10/12/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 6	0.1	10/16/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 7	0.1	10/26/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 8	0.1	11/5/2001	
BGT3	AD23518	FB	Non-Filtered BOD 60 - Reading 9	0.1	11/15/2001	
BGT3	AD23518	FB	pH, Ultimate BOD survey	6.20	11/26/2001	

BGT3	AD23518	FB	TKN (60 Day BOD)	ND	12/2/2001	
BGT3	AD23518	FB	TOC (60 Day BOD)	ND	12/8/2001	
BGT3	AD23519	TRG	Alkalinity	165	9/26/2001	
BGT3	AD23519	TRG	Chloride, Ion Chromatograph	6.8	10/15/2001	
BGT3	AD23519	TRG	Specific Conductance	346	9/26/2001	
BGT3	AD23519	TRG	Sulfate	10.9	10/15/2001	
BGT3	AD23519	TRG	TDS	227	9/28/2001	
BGT3	AD23519	TRG	True Color	95	9/26/2001	
BGT3	AD23519	TRG	TSS	47.0	9/27/2001	
BGT3	AD23519	TRG	Turbidity	45	9/26/2001	
BGT3	AD23520	TRG	Sodium	11.3	11/28/2001	
BGT3	AD23521	TRG	Ammonia-Nitrogen	0.16	9/26/2001	
BGT3	AD23521	TRG	Hardness	160	10/11/2001	
BGT3	AD23521	TRG	Nitrate+Nitrite Nitrogen	0.08	9/27/2001	
BGT3	AD23521	TRG	TKN	1.54	10/15/2001	
BGT3	AD23521	TRG	TP	0.37	10/15/2001	
BGT3	AD23522	TRG	TOC	12.4	10/4/2001	
BGT3	AD23523	TRG	NO2NO3 - Final	0.85	12/3/2001	11/26/2001
BGT3	AD23523	TRG	NO2NO3 - Initial Reading	0.08	9/27/2001	9/26/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 1	0.08	10/3/2001	9/28/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 2	0.10	10/3/2001	10/2/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 3	0.28	10/12/2001	10/5/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 4	0.52	10/12/2001	10/9/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 5	0.56	10/18/2001	10/12/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 6	0.61	10/18/2001	10/16/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 7	0.67	11/8/2001	10/26/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 8	0.77	11/8/2001	11/5/2001
BGT3	AD23523	TRG	NO2NO3 - Reading 9	0.76	12/3/2001	11/15/2001
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Final	19.3	11/26/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 1	2.6	9/28/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 2	6.0	10/2/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 3	8.6	10/5/2001	

BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 4	10.9	10/9/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 5	11.9	10/12/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 6	13.1	10/16/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 7	15.4	10/26/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 8	17.1	11/5/2001	
BGT3	AD23523	TRG	Non-Filtered BOD 60 - Reading 9	18.2	11/15/2001	
BGT3	AD23523	TRG	pH, Ultimate BOD survey	7.63	11/26/2001	
BGT3	AD23523	TRG	TKN (60 Day BOD)	0.82	12/2/2001	
BGT3	AD23523	TRG	TOC (60 Day BOD)	11.5	12/8/2001	
BGT4	AD23529	TRG	Alkalinity	134	9/26/2001	
BGT4	AD23529	TRG	Chloride, Ion Chromatograph	5.5	10/15/2001	
BGT4	AD23529	TRG	Specific Conductance	284	9/26/2001	
BGT4	AD23529	TRG	Sulfate	8.1	10/15/2001	
BGT4	AD23529	TRG	TDS	176	9/28/2001	
BGT4	AD23529	TRG	True Color	95	9/26/2001	
BGT4	AD23529	TRG	TSS	17.0	9/27/2001	
BGT4	AD23529	TRG	Turbidity	14	9/26/2001	
BGT4	AD23530	TRG	Sodium	8.3	11/28/2001	
BGT4	AD23531	TRG	Ammonia-Nitrogen	ND	9/27/2001	
BGT4	AD23531	TRG	Hardness	130	10/11/2001	
BGT4	AD23531	TRG	Nitrate+Nitrite Nitrogen	0.10	9/27/2001	
BGT4	AD23531	TRG	TKN	1.65	10/15/2001	
BGT4	AD23531	TRG	TP	0.35	10/15/2001	
BGT4	AD23532	TRG	TOC	13.8	10/4/2001	
BGT4	AD23533	TRG	NO2NO3 - Final	1.00	12/3/2001	11/26/2001
BGT4	AD23533	TRG	NO2NO3 - Initial Reading	0.09	9/27/2001	9/26/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 1	0.08	10/3/2001	9/28/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 2	0.09	10/3/2001	10/2/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 3	0.26	10/12/2001	10/5/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 4	0.59	10/12/2001	10/9/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 5	0.59	10/18/2001	10/12/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 6	0.74	10/18/2001	10/16/2001

BGT4	AD23533	TRG	NO2NO3 - Reading 7	0.85	11/8/2001	10/26/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 8	0.95	11/8/2001	11/5/2001
BGT4	AD23533	TRG	NO2NO3 - Reading 9	0.90	12/3/2001	11/15/2001
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Final	24.4	11/26/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 1	4.0	9/28/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 2	9.0	10/2/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 3	12.3	10/5/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 4	15.5	10/9/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 5	16.8	10/12/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 6	18.2	10/16/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 7	20.6	10/26/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 8	22.2	11/5/2001	
BGT4	AD23533	TRG	Non-Filtered BOD 60 - Reading 9	23.3	11/15/2001	
BGT4	AD23533	TRG	pH, Ultimate BOD survey	7.57	11/26/2001	
BGT4	AD23533	TRG	TKN (60 Day BOD)	0.63	12/2/2001	
BGT4	AD23533	TRG	TOC (60 Day BOD)	11.0	12/8/2001	
BGT4	AD23997	TRG	Chlorophyll A (calculated)	83.2	10/12/2001	
BGT4	AD23997	TRG	Chlorophyll A (raw)	1248	10/12/2001	
BGT4	AD23997	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT5	AD23534	FB	Alkalinity	ND	9/26/2001	
BGT5	AD23534	FB	Chloride, Ion Chromatograph	ND	10/15/2001	
BGT5	AD23534	FB	Specific Conductance	ND	9/26/2001	
BGT5	AD23534	FB	Sulfate	ND	10/15/2001	
BGT5	AD23534	FB	TDS	ND	9/28/2001	
BGT5	AD23534	FB	True Color	ND	9/26/2001	
BGT5	AD23534	FB	TSS	ND	9/27/2001	
BGT5	AD23534	FB	Turbidity	ND	9/26/2001	
BGT5	AD23535	FB	Sodium	ND	11/28/2001	
BGT5	AD23536	FB	Ammonia-Nitrogen	ND	9/27/2001	
BGT5	AD23536	FB	Hardness	ND	10/11/2001	
BGT5	AD23536	FB	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT5	AD23536	FB	TKN	0.15	10/15/2001	

BGT5	AD23536	FB	TP	ND	10/15/2001	
BGT5	AD23537	FB	TOC	ND	10/4/2001	
BGT5	AD23538	FB	NO2NO3 - Final	ND	12/3/2001	11/26/2001
BGT5	AD23538	FB	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT5	AD23538	FB	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT5	AD23538	FB	NO2NO3 - Reading 2	ND	10/3/2001	10/2/2001
BGT5	AD23538	FB	NO2NO3 - Reading 3	ND	10/12/2001	10/5/2001
BGT5	AD23538	FB	NO2NO3 - Reading 4	ND	10/12/2001	10/9/2001
BGT5	AD23538	FB	NO2NO3 - Reading 5	ND	10/18/2001	10/12/2001
BGT5	AD23538	FB	NO2NO3 - Reading 6	ND	10/18/2001	10/16/2001
BGT5	AD23538	FB	NO2NO3 - Reading 7	ND	11/8/2001	10/26/2001
BGT5	AD23538	FB	NO2NO3 - Reading 8	ND	11/8/2001	11/5/2001
BGT5	AD23538	FB	NO2NO3 - Reading 9	ND	12/3/2001	11/15/2001
BGT5	AD23538	FB	Non-Filtered BOD 60 - Final	0.2	11/26/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 1	0.2	9/28/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 2	0.2	10/2/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 3	0.2	10/5/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 4	0.2	10/9/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 5	0.2	10/12/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 6	0.2	10/16/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 7	0.2	10/26/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 8	0.2	11/5/2001	
BGT5	AD23538	FB	Non-Filtered BOD 60 - Reading 9	0.2	11/15/2001	
BGT5	AD23538	FB	pH, Ultimate BOD survey	6.38	11/26/2001	
BGT5	AD23538	FB	TKN (60 Day BOD)	ND	12/2/2001	
BGT5	AD23538	FB	TOC (60 Day BOD)	ND	12/8/2001	
BGT5	AD23539	TRG	Alkalinity	138	9/26/2001	
BGT5	AD23539	TRG	Chloride, Ion Chromatograph	5.7	10/15/2001	
BGT5	AD23539	TRG	Specific Conductance	292	9/26/2001	
BGT5	AD23539	TRG	Sulfate	7.3	10/15/2001	
BGT5	AD23539	TRG	TDS	191	9/28/2001	
BGT5	AD23539	TRG	True Color	110	9/26/2001	

BGT5	AD23539	TRG	TSS	ND	9/27/2001	
BGT5	AD23539	TRG	Turbidity	6.9	9/26/2001	
BGT5	AD23540	TRG	Sodium	8.2	11/28/2001	
BGT5	AD23541	TRG	Ammonia-Nitrogen	0.56	9/27/2001	
BGT5	AD23541	TRG	Hardness	134	10/11/2001	
BGT5	AD23541	TRG	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT5	AD23541	TRG	TKN	1.78	10/15/2001	
BGT5	AD23541	TRG	TP	0.97	10/15/2001	
BGT5	AD23542	TRG	TOC	14.6	10/4/2001	
BGT5	AD23543	TRG	NO2NO3 - Final	0.96	12/3/2001	11/26/2001
BGT5	AD23543	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 2	0.06	10/3/2001	10/2/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 3	0.35	10/12/2001	10/5/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 4	0.68	10/12/2001	10/9/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 5	0.66	10/18/2001	10/12/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 6	0.77	10/18/2001	10/16/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 7	0.83	11/8/2001	10/26/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 8	0.94	11/8/2001	11/5/2001
BGT5	AD23543	TRG	NO2NO3 - Reading 9	0.88	12/3/2001	11/15/2001
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Final	15.9	11/26/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 1	1.6	9/28/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 2	3.8	10/2/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 3	6.7	10/5/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 4	9.1	10/9/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 5	9.9	10/12/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 6	10.8	10/16/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 7	12.6	10/26/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 8	13.9	11/5/2001	
BGT5	AD23543	TRG	Non-Filtered BOD 60 - Reading 9	15.0	11/15/2001	
BGT5	AD23543	TRG	pH, Ultimate BOD survey	7.58	11/26/2001	
BGT5	AD23543	TRG	TKN (60 Day BOD)	0.68	12/2/2001	

BGT5	AD23543	TRG	TOC (60 Day BOD)	12.2	12/8/2001	
BGT5	AD23549	TRG	Alkalinity	139	9/26/2001	
BGT5	AD23549	TRG	Chloride, Ion Chromatograph	6.0	10/15/2001	
BGT5	AD23549	TRG	Specific Conductance	295	9/26/2001	
BGT5	AD23549	TRG	Sulfate	7.5	10/15/2001	
BGT5	AD23549	TRG	TDS	196	9/28/2001	
BGT5	AD23549	TRG	True Color	110	9/26/2001	
BGT5	AD23549	TRG	TSS	4.0	9/27/2001	
BGT5	AD23549	TRG	Turbidity	7.0	9/26/2001	
BGT5	AD23550	TRG	Sodium	8.4	11/28/2001	
BGT5	AD23551	TRG	Ammonia-Nitrogen	0.56	9/27/2001	
BGT5	AD23551	TRG	Hardness	135	10/16/2001	
BGT5	AD23551	TRG	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT5	AD23551	TRG	TKN	1.81	10/15/2001	
BGT5	AD23551	TRG	TP	0.85	10/15/2001	
BGT5	AD23552	TRG	TOC	17.9	10/4/2001	
BGT5	AD23553	TRG	NO2NO3 - Final	0.98	12/3/2001	11/26/2001
BGT5	AD23553	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 2	0.07	10/3/2001	10/2/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 3	0.40	10/12/2001	10/5/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 4	0.68	10/12/2001	10/9/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 5	0.66	10/18/2001	10/12/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 6	0.84	10/18/2001	10/16/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 7	0.82	11/8/2001	10/26/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 8	0.90	11/8/2001	11/5/2001
BGT5	AD23553	TRG	NO2NO3 - Reading 9	0.89	12/3/2001	11/15/2001
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Final	16.8	11/26/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 1	1.8	9/28/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 2	4.4	10/2/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 3	7.6	10/5/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 4	9.7	10/9/2001	

BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 5	10.6	10/12/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 6	11.6	10/16/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 7	13.2	10/26/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 8	14.6	11/5/2001	
BGT5	AD23553	TRG	Non-Filtered BOD 60 - Reading 9	15.7	11/15/2001	
BGT5	AD23553	TRG	pH, Ultimate BOD survey	7.69	11/26/2001	
BGT5	AD23553	TRG	TKN (60 Day BOD)	0.76	12/2/2001	
BGT5	AD23553	TRG	TOC (60 Day BOD)	12.5	12/8/2001	
BGT5	AD23998	TRG	Chlorophyll A (calculated)	25.7	10/12/2001	
BGT5	AD23998	TRG	Chlorophyll A (raw)	386	10/12/2001	
BGT5	AD23998	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT5	AD23999	TRG	Chlorophyll A (calculated)	27.6	10/12/2001	
BGT5	AD23999	TRG	Chlorophyll A (raw)	414	10/12/2001	
BGT5	AD23999	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT6	AD23554	TRG	Alkalinity	121	9/26/2001	
BGT6	AD23554	TRG	Chloride, Ion Chromatograph	5.3	10/15/2001	
BGT6	AD23554	TRG	Specific Conductance	262	9/26/2001	
BGT6	AD23554	TRG	Sulfate	6.1	10/15/2001	
BGT6	AD23554	TRG	TDS	188	9/27/2001	
BGT6	AD23554	TRG	True Color	115	9/26/2001	
BGT6	AD23554	TRG	TSS	10.7	9/27/2001	
BGT6	AD23554	TRG	Turbidity	12	9/26/2001	
BGT6	AD23555	TRG	Sodium	6.5	11/28/2001	
BGT6	AD23556	TRG	Ammonia-Nitrogen	0.27	9/27/2001	
BGT6	AD23556	TRG	Hardness	120	10/11/2001	
BGT6	AD23556	TRG	Nitrate+Nitrite Nitrogen	0.06	9/27/2001	
BGT6	AD23556	TRG	TKN	1.71	10/15/2001	
BGT6	AD23556	TRG	TP	0.92	10/15/2001	
BGT6	AD23557	TRG	TOC	17.1	10/4/2001	
BGT6	AD23558	TRG	NO2NO3 - Final	0.89	12/3/2001	11/26/2001
BGT6	AD23558	TRG	NO2NO3 - Initial Reading	0.06	9/27/2001	9/26/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 1	0.05	10/3/2001	9/28/2001

BGT6	AD23558	TRG	NO2NO3 - Reading 2	0.08	10/3/2001	10/2/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 3	0.36	10/12/2001	10/5/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 4	0.57	10/12/2001	10/9/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 5	0.56	10/18/2001	10/12/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 6	0.74	10/18/2001	10/16/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 7	0.76	11/8/2001	10/26/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 8	0.83	11/8/2001	11/5/2001
BGT6	AD23558	TRG	NO2NO3 - Reading 9	0.82	12/3/2001	11/15/2001
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Final	19.1	11/26/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 1	2.3	9/28/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 2	5.4	10/2/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 3	8.5	10/5/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 4	10.6	10/9/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 5	11.9	10/12/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 6	13.1	10/16/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 7	15.1	10/26/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 8	16.7	11/5/2001	
BGT6	AD23558	TRG	Non-Filtered BOD 60 - Reading 9	17.9	11/15/2001	
BGT6	AD23558	TRG	pH, Ultimate BOD survey	7.48	11/26/2001	
BGT6	AD23558	TRG	TKN (60 Day BOD)	0.69	12/2/2001	
BGT6	AD23558	TRG	TOC (60 Day BOD)	14.3	12/8/2001	
BGT6	AD24000	TRG	Chlorophyll A (calculated)	36.0	10/12/2001	
BGT6	AD24000	TRG	Chlorophyll A (raw)	540	10/12/2001	
BGT6	AD24000	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT7	AD23559	FB	Alkalinity	ND	9/26/2001	
BGT7	AD23559	FB	Chloride, Ion Chromatograph	ND	10/15/2001	
BGT7	AD23559	FB	Specific Conductance	ND	9/26/2001	
BGT7	AD23559	FB	Sulfate	ND	10/15/2001	
BGT7	AD23559	FB	TDS	ND	9/27/2001	
BGT7	AD23559	FB	True Color	ND	9/26/2001	
BGT7	AD23559	FB	TSS	ND	9/27/2001	
BGT7	AD23559	FB	Turbidity	ND	9/26/2001	

BGT7	AD23560	FB	Sodium	ND	11/28/2001	
BGT7	AD23561	FB	Ammonia-Nitrogen	ND	9/27/2001	
BGT7	AD23561	FB	Hardness	ND	10/11/2001	
BGT7	AD23561	FB	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT7	AD23561	FB	TKN	0.10	10/15/2001	
BGT7	AD23561	FB	TP	ND	10/15/2001	
BGT7	AD23562	FB	TOC	ND	10/4/2001	
BGT7	AD23563	FB	NO2NO3 - Final	ND	12/3/2001	11/26/2001
BGT7	AD23563	FB	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT7	AD23563	FB	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT7	AD23563	FB	NO2NO3 - Reading 2	ND	10/3/2001	10/2/2001
BGT7	AD23563	FB	NO2NO3 - Reading 3	ND	10/12/2001	10/5/2001
BGT7	AD23563	FB	NO2NO3 - Reading 4	ND	10/12/2001	10/9/2001
BGT7	AD23563	FB	NO2NO3 - Reading 5	ND	10/18/2001	10/12/2001
BGT7	AD23563	FB	NO2NO3 - Reading 6	ND	10/18/2001	10/16/2001
BGT7	AD23563	FB	NO2NO3 - Reading 7	ND	11/8/2001	10/26/2001
BGT7	AD23563	FB	NO2NO3 - Reading 8	ND	11/8/2001	11/5/2001
BGT7	AD23563	FB	NO2NO3 - Reading 9	ND	12/3/2001	11/15/2001
BGT7	AD23563	FB	Non-Filtered BOD 60 - Final	0.3	11/26/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 1	0.1	9/28/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 2	0.2	10/2/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 3	0.2	10/5/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 4	0.2	10/9/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 5	0.3	10/12/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 6	0.2	10/16/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 7	0.2	10/26/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 8	0.3	11/5/2001	
BGT7	AD23563	FB	Non-Filtered BOD 60 - Reading 9	0.3	11/15/2001	
BGT7	AD23563	FB	pH, Ultimate BOD survey	5.69	11/26/2001	
BGT7	AD23563	FB	TKN (60 Day BOD)	ND	12/2/2001	
BGT7	AD23563	FB	TOC (60 Day BOD)	ND	12/8/2001	
BGT7	AD23564	TRG	Alkalinity	106	9/26/2001	

BGT7	AD23564	TRG	Chloride, Ion Chromatograph	4.7	10/16/2001	
BGT7	AD23564	TRG	Specific Conductance	234	9/26/2001	
BGT7	AD23564	TRG	Sulfate	7.5	10/16/2001	
BGT7	AD23564	TRG	TDS	173	9/28/2001	
BGT7	AD23564	TRG	True Color	140	9/26/2001	
BGT7	AD23564	TRG	TSS	23.0	9/27/2001	
BGT7	AD23564	TRG	Turbidity	29	9/26/2001	
BGT7	AD23565	TRG	Sodium	4.7	11/28/2001	
BGT7	AD23566	TRG	Ammonia-Nitrogen	0.28	9/27/2001	
BGT7	AD23566	TRG	Hardness	110	10/11/2001	
BGT7	AD23566	TRG	Nitrate+Nitrite Nitrogen	0.05	9/27/2001	
BGT7	AD23566	TRG	TKN	1.70	10/15/2001	
BGT7	AD23566	TRG	TP	0.75	10/15/2001	
BGT7	AD23567	TRG	TOC	19.2	10/4/2001	
BGT7	AD23568	TRG	NO2NO3 - Final	0.67	12/3/2001	11/26/2001
BGT7	AD23568	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 2	0.11	10/3/2001	10/2/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 3	0.38	10/12/2001	10/5/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 4	0.44	10/12/2001	10/9/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 5	0.44	10/18/2001	10/12/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 6	0.53	10/18/2001	10/16/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 7	0.54	11/8/2001	10/26/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 8	0.61	11/8/2001	11/5/2001
BGT7	AD23568	TRG	NO2NO3 - Reading 9	0.61	12/3/2001	11/15/2001
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Final	16.6	11/26/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 1	1.8	9/28/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 2	4.6	10/2/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 3	7.0	10/5/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 4	8.5	10/9/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 5	9.3	10/12/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 6	10.3	10/16/2001	

BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 7	12.3	10/26/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 8	14.0	11/5/2001	
BGT7	AD23568	TRG	Non-Filtered BOD 60 - Reading 9	15.3	11/15/2001	
BGT7	AD23568	TRG	pH, Ultimate BOD survey	7.45	11/26/2001	
BGT7	AD23568	TRG	TKN (60 Day BOD)	0.78	12/2/2001	
BGT7	AD23568	TRG	TOC (60 Day BOD)	13.7	12/8/2001	
BGT7	AD24001	TRG	Chlorophyll A (calculated)	28.4	10/12/2001	
BGT7	AD24001	TRG	Chlorophyll A (raw)	426	10/12/2001	
BGT7	AD24001	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT8	AD23569	TRG	Alkalinity	119	9/26/2001	
BGT8	AD23569	TRG	Chloride, Ion Chromatograph	15.9	10/18/2001	
BGT8	AD23569	TRG	Specific Conductance	353	9/26/2001	
BGT8	AD23569	TRG	Sulfate	35.2	10/18/2001	
BGT8	AD23569	TRG	TDS	225	9/27/2001	
BGT8	AD23569	TRG	True Color	50	9/26/2001	
BGT8	AD23569	TRG	TSS	65.0	9/27/2001	
BGT8	AD23569	TRG	Turbidity	60	9/26/2001	
BGT8	AD23570	TRG	Sodium	18.2	11/28/2001	
BGT8	AD23571	TRG	Ammonia-Nitrogen	ND	9/27/2001	
BGT8	AD23571	TRG	Hardness	140	10/11/2001	
BGT8	AD23571	TRG	Nitrate+Nitrite Nitrogen	0.33	9/27/2001	
BGT8	AD23571	TRG	TKN	1.03	10/15/2001	
BGT8	AD23571	TRG	TP	0.26	10/15/2001	
BGT8	AD23572	TRG	TOC	6.9	10/4/2001	
BGT8	AD23573	TRG	NO2NO3 - Final	0.57	12/3/2001	11/26/2001
BGT8	AD23573	TRG	NO2NO3 - Initial Reading	0.31	9/27/2001	9/26/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 1	0.33	10/3/2001	9/28/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 2	0.39	10/3/2001	10/2/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 3	0.40	10/12/2001	10/5/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 4	0.43	10/12/2001	10/9/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 5	0.44	10/18/2001	10/12/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 6	0.49	10/18/2001	10/16/2001

BGT8	AD23573	TRG	NO2NO3 - Reading 7	0.49	11/8/2001	10/26/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 8	0.53	11/8/2001	11/5/2001
BGT8	AD23573	TRG	NO2NO3 - Reading 9	0.52	12/3/2001	11/15/2001
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Final	6.1	11/26/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 1	0.8	9/28/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 2	1.8	10/2/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 3	2.4	10/5/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 4	3.0	10/9/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 5	3.4	10/12/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 6	3.8	10/16/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 7	4.5	10/26/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 8	5.1	11/5/2001	
BGT8	AD23573	TRG	Non-Filtered BOD 60 - Reading 9	5.6	11/15/2001	
BGT8	AD23573	TRG	pH, Ultimate BOD survey	7.51	11/26/2001	
BGT8	AD23573	TRG	TKN (60 Day BOD)	0.49	12/2/2001	
BGT8	AD23573	TRG	TOC (60 Day BOD)	5.7	12/8/2001	
BGT8	AD24002	TRG	Chlorophyll A (calculated)	14.6	10/12/2001	
BGT8	AD24002	TRG	Chlorophyll A (raw)	219	10/12/2001	
BGT8	AD24002	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT9	AD23574	TRG	Alkalinity	243	9/26/2001	
BGT9	AD23574	TRG	Chloride, Ion Chromatograph	8.4	10/18/2001	
BGT9	AD23574	TRG	Specific Conductance	529	9/26/2001	
BGT9	AD23574	TRG	Sulfate	34.3	10/18/2001	
BGT9	AD23574	TRG	TDS	303	9/28/2001	
BGT9	AD23574	TRG	True Color	20	9/26/2001	
BGT9	AD23574	TRG	TSS	26.0	9/28/2001	
BGT9	AD23574	TRG	Turbidity	19	9/26/2001	
BGT9	AD23575	TRG	Sodium	14.3	11/28/2001	
BGT9	AD23576	TRG	Ammonia-Nitrogen	ND	9/27/2001	
BGT9	AD23576	TRG	Hardness	258	10/11/2001	
BGT9	AD23576	TRG	Nitrate+Nitrite Nitrogen	0.11	9/27/2001	
BGT9	AD23576	TRG	TKN	1.04	10/15/2001	

BGT9	AD23576	TRG	TP	0.06	10/15/2001	
BGT9	AD23577	TRG	TOC	5	10/4/2001	
BGT9	AD23578	TRG	NO2NO3 - Final	0.68	12/3/2001	11/26/2001
BGT9	AD23578	TRG	NO2NO3 - Initial Reading	0.11	9/27/2001	9/26/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 1	0.10	10/3/2001	9/28/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 2	0.17	10/3/2001	10/2/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 3	0.42	10/12/2001	10/5/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 4	0.45	10/12/2001	10/9/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 5	0.43	10/18/2001	10/12/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 6	0.52	10/18/2001	10/16/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 7	0.58	11/8/2001	10/26/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 8	0.65	11/8/2001	11/5/2001
BGT9	AD23578	TRG	NO2NO3 - Reading 9	0.62	12/3/2001	11/15/2001
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Final	11.0	11/26/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 1	2.1	9/28/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 2	4.7	10/2/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 3	6.6	10/5/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 4	7.4	10/9/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 5	7.8	10/12/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 6	8.2	10/16/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 7	9.4	10/26/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 8	10.2	11/5/2001	
BGT9	AD23578	TRG	Non-Filtered BOD 60 - Reading 9	10.6	11/15/2001	
BGT9	AD23578	TRG	pH, Ultimate BOD survey	7.85	11/26/2001	
BGT9	AD23578	TRG	TKN (60 Day BOD)	0.32	12/2/2001	
BGT9	AD23578	TRG	TOC (60 Day BOD)	4.1	12/8/2001	
BGT9	AD24003	TRG	Chlorophyll A (calculated)	45.6	10/12/2001	
BGT9	AD24003	TRG	Chlorophyll A (raw)	684	10/12/2001	
BGT9	AD24003	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT12	AD23579	TRG	Alkalinity	157	9/26/2001	
BGT12	AD23579	TRG	Chloride, Ion Chromatograph	6.2	10/18/2001	
BGT12	AD23579	TRG	Specific Conductance	326	9/26/2001	

BGT12	AD23579	TRG	Sulfate	5.9	10/18/2001	
BGT12	AD23579	TRG	TDS	210	10/1/2001	
BGT12	AD23579	TRG	True Color	95	9/26/2001	
BGT12	AD23579	TRG	TSS	32.0	9/28/2001	
BGT12	AD23579	TRG	Turbidity	29	9/26/2001	
BGT12	AD23580	TRG	Sodium	10.2	11/28/2001	
BGT12	AD23581	TRG	Ammonia-Nitrogen	0.25	9/27/2001	
BGT12	AD23581	TRG	Hardness	149	10/11/2001	
BGT12	AD23581	TRG	Nitrate+Nitrite Nitrogen	0.19	9/27/2001	
BGT12	AD23581	TRG	TKN	1.47	10/15/2001	
BGT12	AD23581	TRG	TP	0.47	10/15/2001	
BGT12	AD23582	TRG	TOC	14.1	10/4/2001	
BGT12	AD23583	TRG	NO2NO3 - Final	0.78	12/3/2001	11/26/2001
BGT12	AD23583	TRG	NO2NO3 - Initial Reading	0.18	9/27/2001	9/26/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 1	0.18	10/3/2001	9/28/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 2	0.23	10/3/2001	10/2/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 3	0.45	10/12/2001	10/5/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 4	0.51	10/12/2001	10/9/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 5	0.48	10/18/2001	10/12/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 6	0.63	10/18/2001	10/16/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 7	0.62	11/8/2001	10/26/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 8	0.70	11/8/2001	11/5/2001
BGT12	AD23583	TRG	NO2NO3 - Reading 9	0.69	12/3/2001	11/15/2001
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Final	14.3	11/26/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 1	2.1	9/28/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 2	4.4	10/2/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 3	6.5	10/5/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 4	7.9	10/9/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 5	8.6	10/12/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 6	9.4	10/16/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 7	10.9	10/26/2001	
BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 8	12.3	11/5/2001	

BGT12	AD23583	TRG	Non-Filtered BOD 60 - Reading 9	13.3	11/15/2001	
BGT12	AD23583	TRG	pH, Ultimate BOD survey	7.77	11/26/2001	
BGT12	AD23583	TRG	TKN (60 Day BOD)	0.65	12/2/2001	
BGT12	AD23583	TRG	TOC (60 Day BOD)	9.9	12/8/2001	
BGT12	AD24004	TRG	Chlorophyll A (calculated)	9.1	10/12/2001	
BGT12	AD24004	TRG	Chlorophyll A (raw)	136	10/12/2001	
BGT12	AD24004	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT13	AD23584	TRG	Alkalinity	153	9/26/2001	
BGT13	AD23584	TRG	Chloride, Ion Chromatograph	7.4	10/18/2001	
BGT13	AD23584	TRG	Specific Conductance	339	9/26/2001	
BGT13	AD23584	TRG	Sulfate	15.3	10/18/2001	
BGT13	AD23584	TRG	TDS	229	9/28/2001	
BGT13	AD23584	TRG	True Color	120	9/26/2001	
BGT13	AD23584	TRG	TSS	75.0	9/28/2001	
BGT13	AD23584	TRG	Turbidity	55	9/26/2001	
BGT13	AD23585	TRG	Sodium	6.4	11/28/2001	
BGT13	AD23586	TRG	Ammonia-Nitrogen	0.17	9/27/2001	
BGT13	AD23586	TRG	Hardness	168	10/11/2001	
BGT13	AD23586	TRG	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT13	AD23586	TRG	TKN	1.61	10/15/2001	
BGT13	AD23586	TRG	TP	0.58	10/15/2001	
BGT13	AD23587	TRG	TOC	17.6	10/4/2001	
BGT13	AD23588	TRG	NO2NO3 - Final	0.49	12/3/2001	11/26/2001
BGT13	AD23588	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 2	ND	10/3/2001	10/2/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 3	0.16	10/12/2001	10/5/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 4	0.28	10/12/2001	10/9/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 5	0.27	10/18/2001	10/12/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 6	0.34	10/18/2001	10/16/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 7	0.36	11/8/2001	10/26/2001
BGT13	AD23588	TRG	NO2NO3 - Reading 8	0.43	11/8/2001	11/5/2001

BGT13	AD23588	TRG	NO2NO3 - Reading 9	0.43	12/3/2001	11/15/2001
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Final	14.5	11/26/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 1	1.5	9/28/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 2	3.5	10/2/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 3	5.3	10/5/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 4	6.8	10/9/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 5	7.5	10/12/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 6	8.4	10/16/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 7	10.3	10/26/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 8	12.1	11/5/2001	
BGT13	AD23588	TRG	Non-Filtered BOD 60 - Reading 9	13.3	11/15/2001	
BGT13	AD23588	TRG	pH, Ultimate BOD survey	7.65	11/26/2001	
BGT13	AD23588	TRG	TKN (60 Day BOD)	0.88	12/2/2001	
BGT13	AD23588	TRG	TOC (60 Day BOD)	13.7	12/8/2001	
BGT13	AD24005	TRG	Chlorophyll A (calculated)	9.4	10/12/2001	
BGT13	AD24005	TRG	Chlorophyll A (raw)	141	10/12/2001	
BGT13	AD24005	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT14	AD23589	TRG	Alkalinity	189	9/26/2001	
BGT14	AD23589	TRG	Chloride, Ion Chromatograph	12.0	10/18/2001	
BGT14	AD23589	TRG	Specific Conductance	427	9/26/2001	
BGT14	AD23589	TRG	Sulfate	20.9	10/18/2001	
BGT14	AD23589	TRG	TDS	280	10/1/2001	
BGT14	AD23589	TRG	True Color	120	9/26/2001	
BGT14	AD23589	TRG	TSS	80.0	9/28/2001	
BGT14	AD23589	TRG	Turbidity	55	9/26/2001	
BGT14	AD23590	TRG	Sodium	12.5	11/28/2001	
BGT14	AD23591	TRG	Ammonia-Nitrogen	0.16	9/27/2001	
BGT14	AD23591	TRG	Hardness	207	10/11/2001	
BGT14	AD23591	TRG	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT14	AD23591	TRG	TKN	1.93	10/15/2001	
BGT14	AD23591	TRG	TP	0.71	10/15/2001	
BGT14	AD23592	TRG	TOC	20.4	10/4/2001	

BGT14	AD23593	TRG	NO2NO3 - Final	0.80	12/3/2001	11/26/2001
BGT14	AD23593	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 2	0.14	10/3/2001	10/2/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 3	0.36	10/12/2001	10/5/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 4	0.41	10/12/2001	10/9/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 5	0.42	10/18/2001	10/12/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 6	0.52	10/18/2001	10/16/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 7	0.56	11/8/2001	10/26/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 8	0.68	11/8/2001	11/5/2001
BGT14	AD23593	TRG	NO2NO3 - Reading 9	0.68	12/3/2001	11/15/2001
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Final	21.8	11/26/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 1	3.1	9/28/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 2	6.9	10/2/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 3	9.5	10/5/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 4	11.5	10/9/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 5	12.6	10/12/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 6	14.0	10/16/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 7	16.7	10/26/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 8	18.9	11/5/2001	
BGT14	AD23593	TRG	Non-Filtered BOD 60 - Reading 9	20.5	11/15/2001	
BGT14	AD23593	TRG	pH, Ultimate BOD survey	7.71	11/26/2001	
BGT14	AD23593	TRG	TKN (60 Day BOD)	0.98	12/2/2001	
BGT14	AD23593	TRG	TOC (60 Day BOD)	14.5	12/8/2001	
BGT14	AD24006	TRG	Chlorophyll A (calculated)	24.5	10/12/2001	
BGT14	AD24006	TRG	Chlorophyll A (raw)	368	10/12/2001	
BGT14	AD24006	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	
BGT15	AD23594	TRG	Alkalinity	105	9/26/2001	
BGT15	AD23594	TRG	Chloride, Ion Chromatograph	4.4	10/18/2001	
BGT15	AD23594	TRG	Specific Conductance	233	9/26/2001	
BGT15	AD23594	TRG	Sulfate	7.5	10/18/2001	
BGT15	AD23594	TRG	TDS	172	10/1/2001	

BGT15	AD23594	TRG	True Color	150	9/26/2001	
BGT15	AD23594	TRG	TSS	22.0	9/28/2001	
BGT15	AD23594	TRG	Turbidity	22	9/26/2001	
BGT15	AD23595	TRG	Sodium	4.7	11/28/2001	
BGT15	AD23596	TRG	Ammonia-Nitrogen	0.32	9/27/2001	
BGT15	AD23596	TRG	Hardness	110	10/11/2001	
BGT15	AD23596	TRG	Nitrate+Nitrite Nitrogen	ND	9/27/2001	
BGT15	AD23596	TRG	TKN	1.74	10/15/2001	
BGT15	AD23596	TRG	TP	0.83	10/15/2001	
BGT15	AD23597	TRG	TOC	20.9	10/4/2001	
BGT15	AD23598	TRG	NO2NO3 - Final	0.69	12/3/2001	11/26/2001
BGT15	AD23598	TRG	NO2NO3 - Initial Reading	ND	9/27/2001	9/26/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 1	ND	10/3/2001	9/28/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 2	0.11	10/3/2001	10/2/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 3	0.41	10/12/2001	10/5/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 4	0.43	10/12/2001	10/9/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 5	0.37	10/18/2001	10/12/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 6	0.54	10/18/2001	10/16/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 7	0.58	11/8/2001	10/26/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 8	0.65	11/8/2001	11/5/2001
BGT15	AD23598	TRG	NO2NO3 - Reading 9	0.63	12/3/2001	11/15/2001
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Final	16.4	11/26/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 1	1.9	9/28/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 2	4.5	10/2/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 3	6.8	10/5/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 4	8.1	10/9/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 5	9.0	10/12/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 6	10.0	10/16/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 7	12.0	10/26/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 8	13.8	11/5/2001	
BGT15	AD23598	TRG	Non-Filtered BOD 60 - Reading 9	15.1	11/15/2001	
BGT15	AD23598	TRG	pH, Ultimate BOD survey	7.48	11/26/2001	

BGT15	AD23598	TRG	TKN (60 Day BOD)	0.70	12/2/2001	
BGT15	AD23598	TRG	TOC (60 Day BOD)	14.6	12/8/2001	
BGT15	AD24007	TRG	Chlorophyll A (calculated)	23.6	10/12/2001	
BGT15	AD24007	TRG	Chlorophyll A (raw)	354	10/12/2001	
BGT15	AD24007	TRG	Volume of sample, Chlorophyll A (raw)	150	10/12/2001	

Appendix F2 – Cross Sections and Discharge Measurements

Cross Section and Discharge Measurements									
Site	River Kilometer	Width (ft)	Width (m)	Depth (ft)	Depth (m)	Flow (cfs)	Flow (cms)	Tape Down (ft)	Gage (ft)
BGT1A						*	*		
BGT1B						*	*		
BGT9	52.84	60.7	18.50	2.12	0.646	**	**	17.19	
BGT2	50.15	108	32.92	2.66	0.811			21.03	6.26
BGT3	44.3	124	37.80	2.78	0.847	**	**	21.70	
BGT4	34.63	74.5	22.71	2.07	0.631			25.31	
BGT5	24.95	68	20.73	4.21	1.283	27.6	0.78154	22.73	0.94
BGT6	13.9	76	23.16	5.1	1.554	35.58	1.00751	18.50	
BGT7	1.96	98	29.87	2.15	0.655				
BGT13						16.76	0.47459		
BGT14						0.23	0.00651		
BGT15		84	25.6032	5.45	1.66116	***	***		

* = BGT1A and BGT1B, water was flowing upstream.
** = BGT9 and BGT3 flow measurements were calculated using a drogue.
*** = BGT15, flow changed directions during measurement

Drogue Calculations							
Site	Time of Travel (s)	Distance (ft)	Width (ft)	Depth (ft)	Velocity (ft/s)	Flow (cfs)	Flow (cms)
BGT9	600	30	5	0.64	0.05	0.16	0.00453
BGT3[1]	217	30	124	2.78	0.08295	28.59429	0.80970

Note 1: Because a representative cross section was used, velocity was calculated at 6/10 of the measured velocity to account for the changing velocity profile.

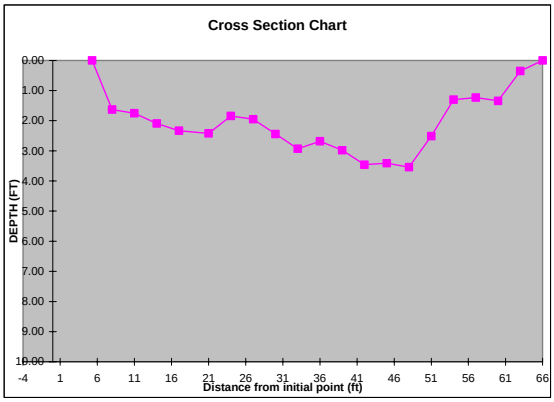
Bayou Grosse Tete 120104 Flow Input		Calculation	Flow (cms)	Flow Balance (cms)
Headwater		BGT9 Flow	0.00453	0.00453
Incremental Inflow	Reach 1	Estimation of flows between headwaters and site BGT3	0.06000	0.06453
Incremental Inflow	Reach 2		0.04000	0.10453
Tributary	Bayou Portage	Modeler judgment based on meeting flow at site BGT3, dischargers in drainage area, and wetland/swamp areas in drainage area	0.50000	0.60453
Incremental Inflow	Reach 3	Estimation of flows between headwaters and site BGT3	0.02500	0.62953
Incremental Inflow	Reach 4		0.05000	0.67953
Tributary	Bayou Fordoche	Modeler judgment based on meeting flow at site BGT3 and lack of dischargers in drainage area	0.10000	0.77953
Incremental Inflow	Reach 5	Estimation of flows between headwaters and site BGT3	0.03000	0.80953
Incremental Outflow	Reach 6	Modeler judgment based on effects of weir at reach 7, use of conservatives to balance flows, and meeting flow measurement at site BGT5	-0.15000	0.65953
	Reach 7			0.65953
Incremental Inflow	Reach 8		0.13000	0.78953
Incremental Outflow	Reach 9		-0.00800	0.78153
Incremental Inflow	Reach 10	BGT6 - BGT5	0.22600	1.00753
	Reach 11			1.00753
Tributary	Grand Bayou	Flow measurement, BGT13	0.47459	1.48212
	Reach 12			1.48212
Tributary	Catfish Canal	Flow measurement, BGT14	0.00651	1.48863
	Reach 13			1.48863
Distributary	ICWW Diversion	Modeler judgment based on changes in stream geometry downstream of diversion, idea that diversion has become main flow channel, and keeping flow/velocity in balance for downstream reaches	-0.85000	0.63863
	Reach 14			0.63863
	Reach 15			0.63863

STREAM CROSS-SECTION SPREADSHEET

Site Number: BGT9 **Subsegment:** 120104 **Waterbody:** False River Canal
Site Description: at Hwy. 979 Bridge
Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual
Initial Bank: ☐ RDB ☑ LDB
Tapedown: N/A
Guage Height: N/A
Date: 9/25/2001

WIDTH[1] (ft):	60.70
AREA[2] (ft²):	128.67
AVG. DEPTH[3](ft):	2.12

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	5.3	1.35	0.00	0.00	0.00%
2	8.0	2.85	1.63	4.65	3.61%
3	11.0	3.00	1.75	5.25	4.08%
4	14.0	3.00	2.09	6.27	4.87%
5	17.0	3.50	2.33	8.16	6.34%
6	21.0	3.50	2.42	8.47	6.58%
7	24.0	3.00	1.84	5.52	4.29%
8	27.0	3.00	1.95	5.85	4.55%
9	30.0	3.00	2.44	7.32	5.69%
10	33.0	3.00	2.93	8.79	6.83%
11	36.0	3.00	2.68	8.04	6.25%
12	39.0	3.00	2.98	8.94	6.95%
13	42.0	3.00	3.46	10.38	8.07%
14	45.0	3.00	3.41	10.23	7.95%
15	48.0	3.00	3.54	10.62	8.25%
16	51.0	3.00	2.51	7.53	5.85%
17	54.0	3.00	1.30	3.90	3.03%
18	57.0	3.00	1.23	3.69	2.87%
19	60.0	3.00	1.34	4.02	3.12%
20	63.0	3.00	0.35	1.05	0.82%
21	66.0	1.50	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	60.70		128.67	100.00%



Representative Cross Section

Do Not use for Drogue

Data Collection Crew		Office Data Work	
Measurement made by:	S. Stone	Data Inputed by / Date:	J. Severson/ 10-01-01
Notetaker/Recorder:	E. Garner	Data Input Checked by / Date:	
Other:			

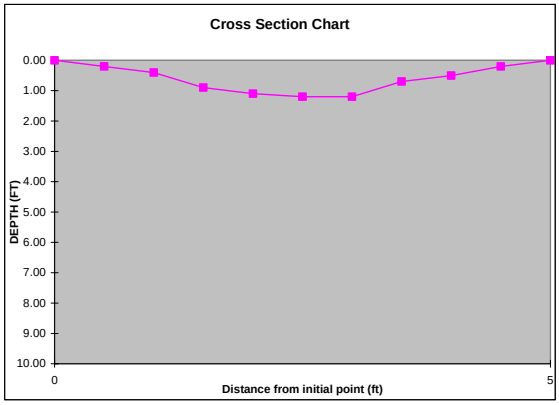
Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area 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: BGT9 **Subsegment:** 120104 **Waterbody:** False River Canal
Site Description: at Hwy. 979 Bridge
Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual
Initial Bank: ☐ RDB ☑ LDB
Tapedown: N/A
Guage Height: N/A
Date: 9/25/2001

WIDTH[1] (ft):	5.00
AREA[2] (ft²):	3.20
AVG. DEPTH[3](ft):	0.64

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	0.25	0.00	0.00	
2	0.5	0.50	0.20	0.10	3.13%
3	1.0	0.50	0.40	0.20	6.25%
4	1.5	0.50	0.90	0.45	14.06%
5	2.0	0.50	1.10	0.55	17.19%
6	2.5	0.50	1.20	0.60	18.75%
7	3.0	0.50	1.20	0.60	18.75%
8	3.5	0.50	0.70	0.35	10.94%
9	4.0	0.50	0.50	0.25	7.81%
10	4.5	0.50	0.20	0.10	3.13%
11	5.0	0.25	0.00	0.00	0.00%
12					
13					
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	5.00		3.20	100.00%



Cross Section for Drogue Measurement

Not Representative

Data Collection Crew		Office Data Work	
Measurement made by:	E. Garner	Data Inputed by / Date:	J. Severson/ 10-01-01
Notetaker/Recorder:	S. Stone	Data Input Checked by / Date:	Garner 10-01-01
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: BGT2 **Subsegment:** 120104 **Waterbody:** Bayou Grosse Tete

Site Description: Frisco Bridge

Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual

Initial Bank: ☑ RDB ☐ LDB

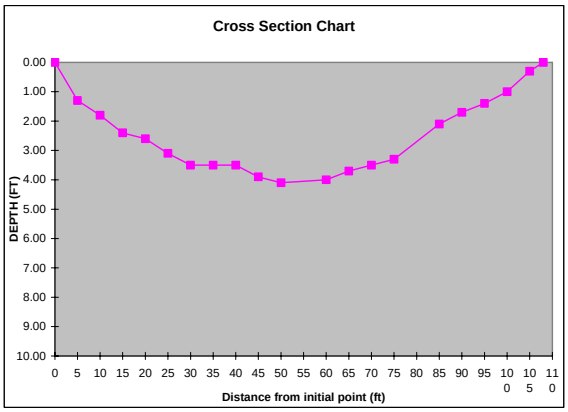
Tapedown: 21.03ft.

Guage Height:

Date: 09/19/01

WIDTH[1] (ft):	108.00
AREA[2] (ft²):	286.95
AVG. DEPTH[3](ft):	2.66

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	2.50	0.00	0.00	
2	5.0	5.00	1.30	6.50	2.27%
3	10.0	5.00	1.80	9.00	3.14%
4	15.0	5.00	2.40	12.00	4.18%
5	20.0	5.00	2.60	13.00	4.53%
6	25.0	5.00	3.10	15.50	5.40%
7	30.0	5.00	3.50	17.50	6.10%
8	35.0	5.00	3.50	17.50	6.10%
9	40.0	5.00	3.50	17.50	6.10%
10	45.0	5.00	3.90	19.50	6.80%
11	50.0	7.50	4.10	30.75	10.72%
12	60.0	7.50	4.00	30.00	10.45%
13	65.0	5.00	3.70	18.50	6.45%
14	70.0	5.00	3.50	17.50	6.10%
15	75.0	7.50	3.30	24.75	8.63%
16	85.0	7.50	2.10	15.75	5.49%
17	90.0	5.00	1.70	8.50	2.96%
18	95.0	5.00	1.40	7.00	2.44%
19	100.0	5.00	1.00	5.00	1.74%
20	105.0	4.00	0.30	1.20	0.42%
21	108.0	1.50	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	108.00		286.95	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Carrick B.	Data Inputed by / Date:	Jamie P. 10/10/01
Notetaker/Recorder:	Jamie P.	Data Input Checked by / Date:	
Other:			

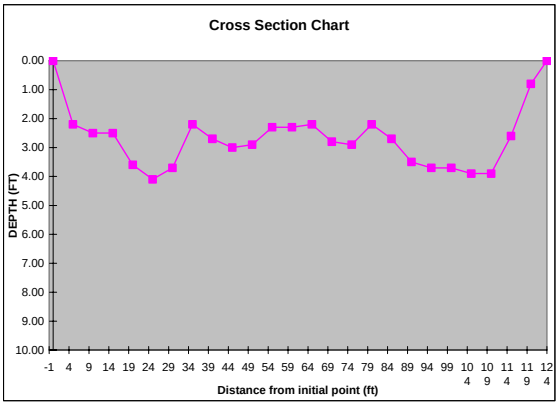
Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area 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: BGT 3 **Subsegment:** 120104 **Waterbody:** Bayou Grosse Tete
Site Description: at Livonia Bridge
Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual
Initial Bank: ☐ RDB ☑ LDB
Tapedown: 21.70
Guage Height: N/A
Date: 9/25/2001

WIDTH[1] (ft):	124.00
AREA[2] (ft²):	344.10
AVG. DEPTH[3](ft):	2.78

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	5.00	2.20	11.00	3.20%
3	10.0	5.00	2.50	12.50	3.63%
4	15.0	5.00	2.50	12.50	3.63%
5	20.0	5.00	3.60	18.00	5.23%
6	25.0	5.00	4.10	20.50	5.96%
7	30.0	5.00	3.70	18.50	5.38%
8	35.0	5.00	2.20	11.00	3.20%
9	40.0	5.00	2.70	13.50	3.92%
10	45.0	5.00	3.00	15.00	4.36%
11	50.0	5.00	2.90	14.50	4.21%
12	55.0	5.00	2.30	11.50	3.34%
13	60.0	5.00	2.30	11.50	3.34%
14	65.0	5.00	2.20	11.00	3.20%
15	70.0	5.00	2.80	14.00	4.07%
16	75.0	5.00	2.90	14.50	4.21%
17	80.0	5.00	2.20	11.00	3.20%
18	85.0	5.00	2.70	13.50	3.92%
19	90.0	5.00	3.50	17.50	5.09%
20	95.0	5.00	3.70	18.50	5.38%
21	100.0	5.00	3.70	18.50	5.38%
22	105.0	5.00	3.90	19.50	5.67%
23	110.0	5.00	3.90	19.50	5.67%
24	115.0	5.00	2.60	13.00	3.78%
25	120.0	4.50	0.80	3.60	1.05%
26	124.0	2.00	0.00	0.00	0.00%
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	124.00		344.10	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	J. Severson	Data Inputed by / Date:	J. Severson/ 10-01-01
Notetaker/Recorder:	S. Stone	Data Input Checked by / Date:	Garner 10-01-01
Other:			

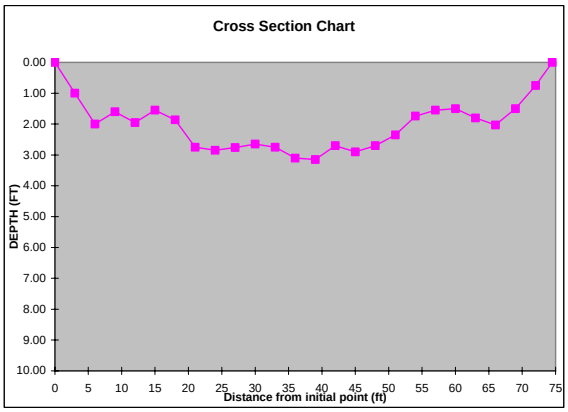
Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area 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: BGT4 **Subsegment:** 120104 **Waterbody:** Bayou Grosse Tete
Site Description: Maringouin Bridge
Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual
Initial Bank: ☑ RDB ☐ LDB
Tapedown: 24.70ft.
Guage Height:
Date: 09/19/01

WIDTH[1] (ft):	74.50
AREA[2] (ft²):	154.28
AVG. DEPTH[3](ft):	2.07

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	1.50	0.00	0.00	
2	3.0	3.00	1.00	3.00	1.94%
3	6.0	3.00	2.00	6.00	3.89%
4	9.0	3.00	1.60	4.80	3.11%
5	12.0	3.00	1.95	5.85	3.79%
6	15.0	3.00	1.55	4.65	3.01%
7	18.0	3.00	1.86	5.58	3.62%
8	21.0	3.00	2.75	8.25	5.35%
9	24.0	3.00	2.85	8.55	5.54%
10	27.0	3.00	2.76	8.28	5.37%
11	30.0	3.00	2.65	7.95	5.15%
12	33.0	3.00	2.75	8.25	5.35%
13	36.0	3.00	3.10	9.30	6.03%
14	39.0	3.00	3.15	9.45	6.13%
15	42.0	3.00	2.70	8.10	5.25%
16	45.0	3.00	2.90	8.70	5.64%
17	48.0	3.00	2.70	8.10	5.25%
18	51.0	3.00	2.35	7.05	4.57%
19	54.0	3.00	1.74	5.22	3.38%
20	57.0	3.00	1.55	4.65	3.01%
21	60.0	3.00	1.50	4.50	2.92%
22	63.0	3.00	1.80	5.40	3.50%
23	66.0	3.00	2.03	6.09	3.95%
24	69.0	3.00	1.50	4.50	2.92%
25	72.0	2.75	0.75	2.06	1.34%
26	74.5	1.25	0.00	0.00	0.00%
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	74.50		154.28	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Jamie P.	Data Inputed by / Date:	Jamie P. 10/10/01
Notetaker/Recorder:	Carrick B.	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: BGT5 **Subsegment:** 120104 **Waterbody:** Bayou Grosse Tete

Site Description: Rosedale Bridge

Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual

Initial Bank: ☑ RDB ☐ LDB

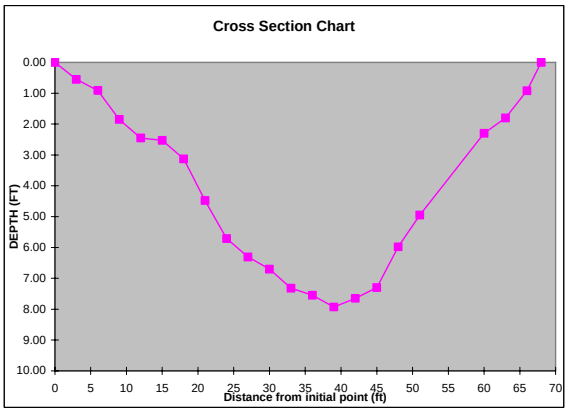
Tapedown: 21.95ft.

Guage Height: 0.94ft.

Date: 09/19/01

WIDTH[1] (ft):	68.00
AREA[2] (ft²):	286.25
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	1.50	0.00	0.00	
2	3.0	3.00	0.55	1.65	0.58%
3	6.0	3.00	0.91	2.73	0.95%
4	9.0	3.00	1.85	5.55	1.94%
5	12.0	3.00	2.45	7.35	2.57%
6	15.0	3.00	2.53	7.59	2.65%
7	18.0	3.00	3.13	9.39	3.28%
8	21.0	3.00	4.48	13.44	4.70%
9	24.0	3.00	5.71	17.13	5.98%
10	27.0	3.00	6.31	18.93	6.61%
11	30.0	3.00	6.70	20.10	7.02%
12	33.0	3.00	7.32	21.96	7.67%
13	36.0	3.00	7.55	22.65	7.91%
14	39.0	3.00	7.93	23.79	8.31%
15	42.0	3.00	7.65	22.95	8.02%
16	45.0	3.00	7.30	21.90	7.65%
17	48.0	3.00	5.98	17.94	6.27%
18	51.0	6.00	4.95	29.70	10.38%
19	60.0	6.00	2.30	13.80	4.82%
20	63.0	3.00	1.80	5.40	1.89%
21	66.0	2.50	0.92	2.30	0.80%
22	68.0	1.00	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	68.00		286.25	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Jamie P.	Data Inputed by / Date:	Jamie P. 10/10/01
Notetaker/Recorder:	Carrick B.	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: BGT6 **Subsegment:** 120104 **Waterbody:** Bayou Grosse Tete

Site Description: Sidney Road Bridge

Type of Equipment: ☐ Fathometer ☐ Hydrotrac ☑ Manual

Initial Bank: ☑ RDB ☐ LDB

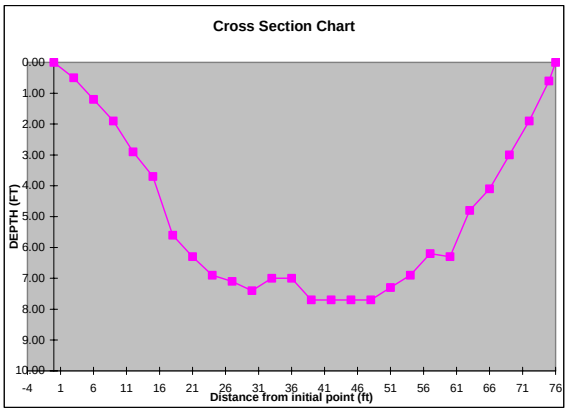
Tapedown: 18.83ft.

Guage Height:

Date: 09/19/01

WIDTH[1] (ft):	**76.00**
AREA[2] (ft²):	**387.60**
AVG. DEPTH[3](ft):	**5.10**

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	1.50	0.00	0.00	
2	3.0	3.00	0.50	1.50	0.39%
3	6.0	3.00	1.20	3.60	0.93%
4	9.0	3.00	1.90	5.70	1.47%
5	12.0	3.00	2.90	8.70	2.24%
6	15.0	3.00	3.70	11.10	2.86%
7	18.0	3.00	5.60	16.80	4.33%
8	21.0	3.00	6.30	18.90	4.88%
9	24.0	3.00	6.90	20.70	5.34%
10	27.0	3.00	7.10	21.30	5.50%
11	30.0	3.00	7.40	22.20	5.73%
12	33.0	3.00	7.00	21.00	5.42%
13	36.0	3.00	7.00	21.00	5.42%
14	39.0	3.00	7.70	23.10	5.96%
15	42.0	3.00	7.70	23.10	5.96%
16	45.0	3.00	7.70	23.10	5.96%
17	48.0	3.00	7.70	23.10	5.96%
18	51.0	3.00	7.30	21.90	5.65%
19	54.0	3.00	6.90	20.70	5.34%
20	57.0	3.00	6.20	18.60	4.80%
21	60.0	3.00	6.30	18.90	4.88%
22	63.0	3.00	4.80	14.40	3.72%
23	66.0	3.00	4.10	12.30	3.17%
24	69.0	3.00	3.00	9.00	2.32%
25	72.0	3.00	1.90	5.70	1.47%
26	75.0	2.00	0.60	1.20	0.31%
27	76.0	0.50	0.00	0.00	0.00%
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	76.00		387.60	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Carrick B.	**Data Inputed by / Date:**	Jamie P. 10/10/01
Notetaker/Recorder:	Jamie P.	**Data Input Checked by / Date:**	
Other:			

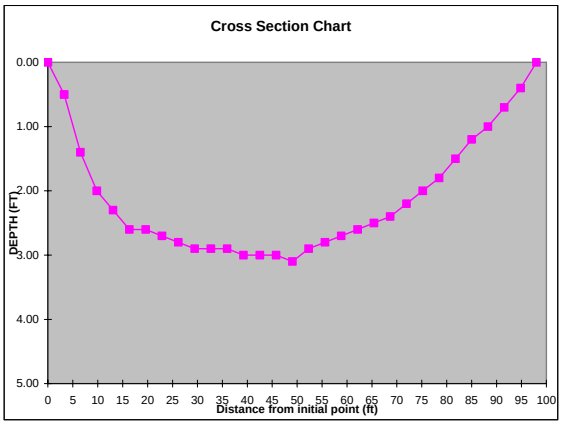
Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area 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: BGT 7 XS **Subsegment:** 120104 **Waterbody:** Bayou Grosse Tete
Site Description: Hwy 77 Boat Launch
Type of Equipment: ☐ Fathometer ☑ Hydrotrac ☐ Manual
Initial Bank: ☑ RDB ☐ LDB
Tapedown: N/A
Guage Height: N/A
Date: 9/19/2001

WIDTH[1] (ft):	98.00
AREA[2] (ft²):	210.57
AVG. DEPTH[3](ft):	2.15

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	1.64	0.00	0.00	
2	3.3	3.27	0.50	1.64	0.78%
3	6.5	3.27	1.40	4.58	2.17%
4	9.8	3.27	2.00	6.54	3.11%
5	13.1	3.27	2.30	7.52	3.57%
6	16.4	3.27	2.60	8.50	4.04%
7	19.6	3.27	2.60	8.50	4.04%
8	22.9	3.27	2.70	8.83	4.19%
9	26.2	3.27	2.80	9.16	4.35%
10	29.4	3.27	2.90	9.48	4.50%
11	32.7	3.27	2.90	9.48	4.50%
12	36.0	3.27	2.90	9.48	4.50%
13	39.2	3.27	3.00	9.81	4.66%
14	42.5	3.27	3.00	9.81	4.66%
15	45.8	3.27	3.00	9.81	4.66%
16	49.1	3.27	3.10	10.14	4.81%
17	52.3	3.27	2.90	9.48	4.50%
18	55.6	3.27	2.80	9.16	4.35%
19	58.9	3.27	2.70	8.83	4.19%
20	62.1	3.27	2.60	8.50	4.04%
21	65.4	3.27	2.50	8.18	3.88%
22	68.7	3.27	2.40	7.85	3.73%
23	71.9	3.27	2.20	7.19	3.42%
24	75.2	3.27	2.00	6.54	3.11%
25	78.5	3.27	1.80	5.89	2.80%
26	81.8	3.27	1.50	4.90	2.33%
27	85.0	3.27	1.20	3.92	1.86%
28	88.3	3.27	1.00	3.27	1.55%
29	91.6	3.27	0.70	2.29	1.09%
30	94.8	3.22	0.40	1.29	0.61%
31	98.0	1.59	0.00	0.00	0.00%
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	98.00		210.57	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	E. Garner	Data Inputed by / Date:	C. Schwartzenburg / 10-8-01
Notetaker/Recorder:	C. Schwartzenburg	Data Input Checked by / Date:	A. Champagne / 10-8-01
Other:			

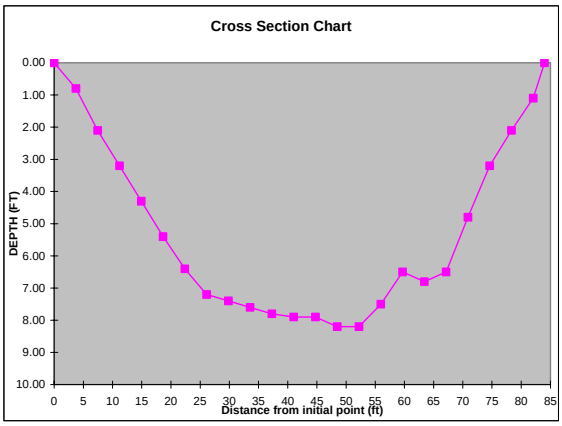
Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area 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: BGT 15 XS **Subsegment:** 120104 **Waterbody:** Intracoastal Waterway Diversion Canal
Site Description: Upstream of confluence w/ Bayou Grosse Tete
Type of Equipment: ☐ Fathometer ☑ Hydrotrac ☐ Manual
Initial Bank: ☐ RDB ☑ LDB
Tapedown: N/A
Guage Height: N/A
Date: 9/19/2001

WIDTH[1] (ft):	84.00
AREA[2] (ft²):	457.43
AVG. DEPTH[3](ft):	5.45

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	1.87	0.00	0.00	
2	3.7	3.73	0.80	2.98	0.65%
3	7.5	3.73	2.10	7.83	1.71%
4	11.2	3.73	3.20	11.94	2.61%
5	14.9	3.73	4.30	16.04	3.51%
6	18.7	3.73	5.40	20.14	4.40%
7	22.4	3.73	6.40	23.87	5.22%
8	26.1	3.73	7.20	26.86	5.87%
9	29.8	3.73	7.40	27.60	6.03%
10	33.6	3.73	7.60	28.35	6.20%
11	37.3	3.73	7.80	29.09	6.36%
12	41.0	3.73	7.90	29.47	6.44%
13	44.8	3.73	7.90	29.47	6.44%
14	48.5	3.73	8.20	30.59	6.69%
15	52.2	3.73	8.20	30.59	6.69%
16	56.0	3.73	7.50	27.98	6.12%
17	59.7	3.73	6.50	24.25	5.30%
18	63.4	3.73	6.80	25.36	5.54%
19	67.1	3.73	6.50	24.25	5.30%
20	70.9	3.73	4.80	17.90	3.91%
21	74.6	3.73	3.20	11.94	2.61%
22	78.3	3.73	2.10	7.83	1.71%
23	82.1	2.84	1.10	3.12	0.68%
24	84.0	0.97	0.00	0.00	0.00%
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	84.00		457.43	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	E. Garner	Data Inputed by / Date:	C. Schwartzenburg / 10-8-01
Notetaker/Recorder:	C. Schwartzenburg	Data Input Checked by / Date:	E. Garner / 10-8-01
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 DISCHARGE SPREADSHEET

Site Number: BGT5 **Subsegment:** 120104 **Waterbody** Bayou Grosse Tete
Site Description: Rosedale Bridge
Type of Meter: ☑ Price A:A 1:1 ☐ Pygmy ☐ Price A:A 5:1 **Standard:** ☐ Standard 1 ☑ Standard 2
Type of Equipment: ☐ Wading ☑ Bridge Board ☐ Boat Board
Initial Bank: ☑ RDB ☐ LDB
Tapedown: 22.73 ft
Guage Height:
Date: 9/25/2001
Start Time: 13:25 **End Time:** 15:00

WIDTH[1] (ft):	64.00
AREA[2] (ft²):	246.50
AVG. DEPTH[3] (ft):	3.85
DISCHARGE[4] (cfs):	27.60
AVG. VELOCITY[5] (fps):	0.11

Subsection	Distance from initial point (ft)	Width of element[6] (ft)	Depth of element (ft)	Area of element[7] (ft²)	Velocity of element (fps)				Adjusted Angle[9]	Discharge through element[10] (cfs)	Element discharge at % of total discharge[11]
					.2D	.6D	.8D	Average[8]			
1	0.0	2.50	0.00	0.00		0.00		0.00			
2	5.0	5.00	1.00	5.00		0.00		0.00		0.00	0.00%
3	10.0	5.00	2.10	10.50		0.00		0.00		0.00	0.00%
4	15.0	5.00	2.90	14.50	0.00		0.00	0.00		0.00	0.00%
5	20.0	5.00	5.00	25.00	0.00		0.00	0.00		0.00	0.00%
6	25.0	4.00	6.00	24.00	0.00		0.14	0.07		1.68	6.09%
7	28.0	2.50	6.50	16.25	0.00		0.19	0.10		1.58	5.71%
8	30.0	1.50	6.70	10.05	0.10		0.21	0.16		1.56	5.64%
9	31.0	1.00	6.80	6.80	0.12		0.17	0.14		0.98	3.56%
10	32.0	1.00	6.90	6.90	0.21		0.20	0.21		1.41	5.12%
11	33.0	1.00	7.00	7.00	0.19		0.18	0.19		1.30	4.72%
12	34.0	1.00	7.00	7.00	0.27		0.21	0.24		1.69	6.11%
13	35.0	1.00	7.10	7.10	0.10		0.22	0.16		1.12	4.06%
14	36.0	1.00	7.10	7.10	0.26		0.22	0.24		1.70	6.16%
15	37.0	1.00	7.00	7.00	0.12		0.24	0.18		1.25	4.53%
16	38.0	1.50	7.00	10.50	0.23		0.26	0.25		2.58	9.34%
17	40.0	2.00	6.70	13.40	0.24		0.26	0.25		3.32	12.02%
18	42.0	2.00	6.40	12.80	0.20		0.25	0.22		2.87	10.39%
19	44.0	2.00	5.20	10.40	0.22		0.21	0.21		2.21	8.01%
20	46.0	2.00	4.90	9.80	0.16		0.12	0.14		1.37	4.97%
21	48.0	4.50	4.30	19.35	0.10		0.00	0.05		0.99	3.58%
22	55.0	6.00	2.00	12.00		0.00		0.00		0.00	0.00%
23	60.0	4.50	0.90	4.05		0.00		0.00		0.00	0.00%
24	64.0	2.00	0.00	0.00		0.00		0.00		0.00	0.00%
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
	Total	64.00		246.50						27.60	100.00%

Data Collection Crew			Office Data Work	
Measurement made by:	Jamie Phillipe		Data Inputed by / Date:	Andrea Augustine/ 9-26-2001
Notetaker/Recorder:	Andrea Augustine		Data Input Checked by / Date:	Jamie Phillipe / 9-26-2001
Other:				

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (ft²) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: DISCHARGE (cfs) = sum of the discharge column
Note 5: AVG. VELOCITY (fps) = discharge/area (using the values from this table)
Note 6: Width of element
Note 7: Area = width*depth for element. These areas are generally not representative of the stream.
Note 8: Average velocity = Use 0.6D velocity if depth is less than 2.5 ft or the average of 0.2D and 0.8D velocities if depth is greater than 2.5 ft.
Note 9: If blank assume 1
Note 10: Discharge through element = area of element*average velocity of element
Note 11: Element discharge percent = discharge through element/total discharge X 100%. Element discharge should not exceed 10%.

STREAM DISCHARGE SPREADSHEET

Site Number: BGT6 **Subsegment:** 120104 **Waterbody** Bayou Grosse Tete
Site Description: Sidney Road Bridge
Type of Meter: ☑ Price A:A 1:1 ☐ Pygmy ☐ Price A:A 5:1 **Standard:** ☐ Standard 1 ☑ Standard 2
Type of Equipment: ☐ Wading ☑ Bridge Board ☐ Boat Board
Initial Bank: ☑ RDB ☐ LDB
Tapedown: 18.5 feet
Guage Height:
Date: 9/25/2001
Start Time: 11:03 **End Time:** 12:55

WIDTH[1] (ft):	71.00
AREA[2] (ft^2):	345.55
AVG. DEPTH[3] (ft):	4.87
DISCHARGE[4] (cfs):	35.58
AVG. VELOCITY[5] (fps):	0.10

Subsection	Distance from initial point (ft)	Width of element[6] (ft)	Depth of element (ft)	Area of element[7] (ft^2)	Velocity of element (fps)				Adjusted Angle[9]	Discharge through element[10] (cfs)	Element discharge at % of total discharge[11]
					.2D	.6D	.8D	Average[8]			
1	0.0	2.00	0.00	0.00		0.00		0.00			
2	4.0	4.00	1.20	4.80		0.00		0.00		0.00	0.00%
3	8.0	4.00	2.10	8.40		0.00		0.00		0.00	0.00%
4	12.0	4.00	3.60	14.40		0.00		0.00		0.00	0.00%
5	16.0	4.00	5.50	22.00		0.00		0.00		0.00	0.00%
6	20.0	3.00	6.30	18.90	0.16		0.09	0.13		2.38	6.69%
7	22.0	2.00	6.50	13.00	0.18		0.08	0.13		1.68	4.71%
8	24.0	2.00	6.80	13.60	0.13		0.10	0.11		1.56	4.38%
9	26.0	2.00	6.90	13.80	0.15		0.10	0.13		1.73	4.87%
10	28.0	2.00	7.00	14.00	0.17		0.13	0.15		2.11	5.92%
11	30.0	2.00	6.50	13.00	0.19		0.15	0.17		2.22	6.25%
12	32.0	2.00	6.10	12.20	0.20		0.13	0.17		2.03	5.69%
13	34.0	2.00	6.90	13.80	0.21		0.08	0.14		1.97	5.55%
14	36.0	2.00	7.30	14.60	0.19		0.00	0.10		1.41	3.96%
15	38.0	2.00	7.30	14.60	0.18		0.17	0.17		2.53	7.10%
16	40.0	2.00	7.40	14.80	0.17		0.00	0.08		1.22	3.43%
17	42.0	2.00	7.20	14.40	0.16		0.13	0.15		2.15	6.03%
18	44.0	2.00	7.10	14.20	0.18		0.15	0.17		2.34	6.59%
19	46.0	2.00	7.00	14.00	0.18		0.11	0.15		2.04	5.73%
20	48.0	2.00	6.80	13.60	0.19		0.15	0.17		2.31	6.48%
21	50.0	2.00	6.40	12.80	0.12		0.10	0.11		1.43	4.01%
22	52.0	2.00	6.10	12.20	0.08		0.08	0.08		0.98	2.74%
23	54.0	3.00	5.60	16.80	0.00		0.00	0.00		0.00	0.00%
24	58.0	4.00	4.30	17.20	0.12		0.06	0.06		1.07	3.00%
25	62.0	4.00	3.50	14.00	0.13		0.10	0.11		1.55	4.37%
26	66.0	4.00	2.30	9.20		0.10		0.10		0.89	2.51%
27	70.0	2.50	0.50	1.25		0.00		0.00		0.00	0.00%
28	71.0	0.50	0.00	0.00		0.00		0.00		0.00	0.00%
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
	Total	71.00		345.55						35.58	100.00%

Data Collection Crew		Office Data Work	
Measurement made by:	Andrea Augustine	Data Inputed by / Date:	Andrea Augustine/ 9-26-2001
Notetaker/Recorder:	Jamie Phillipe	Data Input Checked by / Date:	Jamie Phillipe/ 9-26-2001
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (ft^2) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: DISCHARGE (cfs) = sum of the discharge column
Note 5: AVG. VELOCITY (fps) = discharge/area (using the values from this table)
Note 6: Width of element
Note 7: Area = width*depth for element. These areas are generally not representative of the stream.
Note 8: Average velocity = Use 0.6D velocity if depth is less than 2.5 ft or the average of 0.2D and 0.8D velocities if depth is greater than 2.5 ft.
Note 9: If blank assume 1
Note 10: Discharge through element = area of element*average velocity of element
Note 11: Element discharge percent = discharge through element/total discharge X 100%. Element discharge should not exceed 10%.

STREAM DISCHARGE SPREADSHEET

Site Number: BGT 13 **Subsegment:** 120104 **Waterbody** Grand Bayou
Site Description: 100 yds upstream of confluence w/ Bayou Grosse Tete
Type of Meter: ☑ Price A:A 1:1 ☐ Pygmy ☐ Price A:A 5:1 **Standard:** ☐ Standard 1 ☑ Standard 2
Type of Equipment: ☑ Wading ☐ Bridge Board ☐ Boat Board
Initial Bank: ☑ RDB ☐ LDB
Tapedown: N/A
Guage Height: N/A
Date: 9/25/2001
Start Time: 1315 hrs **End Time:** 1416 hrs

WIDTH[1] (ft):	47.00
AREA[2] (ft^2):	122.25
AVG. DEPTH[3] (ft):	2.60
DISCHARGE[4] (cfs):	16.76
AVG. VELOCITY[5] (fps):	0.14

Subsection	Distance from initial point (ft)	Width of element[6] (ft)	Depth of element (ft)	Area of element[7] (ft^2)	Velocity of element (fps)				Adjusted Angle[9]	Discharge through element[10] (cfs)	Element discharge at % of total discharge[11]
					.2D	.6D	.8D	Average[8]			
1	0.0	1.00	0.00	0.00		0.00		0.00			
2	2.0	2.00	0.90	1.80		0.00		0.00		0.00	0.00%
3	4.0	2.00	1.10	2.20		0.00		0.00		0.00	0.00%
4	6.0	2.00	1.80	3.60		0.09		0.09		0.32	1.93%
5	8.0	2.00	2.40	4.80		0.14		0.14		0.67	4.01%
6	10.0	2.00	2.40	4.80		0.15		0.15		0.70	4.18%
7	12.0	2.00	2.90	5.80	0.16		0.08	0.12		0.70	4.20%
8	14.0	2.00	3.00	6.00	0.16		0.08	0.12		0.71	4.24%
9	16.0	2.00	3.00	6.00	0.16		0.08	0.12		0.74	4.38%
10	18.0	2.00	3.30	6.60	0.20		0.10	0.15		0.99	5.89%
11	20.0	2.00	3.50	7.00	0.13		0.12	0.12		0.86	5.12%
12	22.0	2.00	3.50	7.00	0.16		0.13	0.14		0.99	5.91%
13	24.0	2.00	3.70	7.40	0.21		0.18	0.20		1.46	8.70%
14	26.0	2.00	3.70	7.40	0.19		0.10	0.15		1.09	6.49%
15	28.0	2.00	3.50	7.00	0.21		0.16	0.19		1.32	7.85%
16	30.0	1.50	3.50	5.25	0.22		0.19	0.20		1.06	6.31%
17	31.0	1.00	3.50	3.50	0.25		0.20	0.23		0.79	4.73%
18	32.0	1.00	3.50	3.50	0.23		0.23	0.23		0.79	4.74%
19	33.0	1.00	3.40	3.40	0.24		0.23	0.24		0.80	4.77%
20	34.0	1.50	3.40	5.10	0.27		0.19	0.23		1.19	7.07%
21	36.0	2.00	3.00	6.00	0.08		0.04	0.06		0.38	2.26%
22	38.0	2.00	2.60	5.20	0.08		0.09	0.08		0.42	2.53%
23	40.0	2.00	2.30	4.60		0.10		0.10		0.46	2.74%
24	42.0	2.00	2.30	4.60		0.07		0.07		0.33	1.95%
25	44.0	2.00	1.40	2.80		0.00		0.00		0.00	0.00%
26	46.0	1.50	0.60	0.90		0.00		0.00		0.00	0.00%
27	47.0	0.50	0.00	0.00		0.00		0.00		0.00	0.00%
28											
29											
30											
31											
32											
33											
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35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
	Total	47.00		122.25						16.76	100.00%

Data Collection Crew			Office Data Work	
Measurement made by:	R. Gianelloni		Data Inputed by / Date:	C. Schwartzenburg / 9-26-01
Notetaker/Recorder:	C. Schwartzenburg		Data Input Checked by / Date:	J. Phillppe / 9-26-01
Other:				

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (ft^2) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: DISCHARGE (cfs) = sum of the discharge column
Note 5: AVG. VELOCITY (fps) = discharge/area (using the values from this table)
Note 6: Width of element
Note 7: Area = width*depth for element. These areas are generally not representative of the stream.
Note 8: Average velocity = Use 0.6D velocity if depth is less than 2.5 ft or the average of 0.2D and 0.8D velocities if depth is greater than 2.5 ft.
Note 9: If blank assume 1
Note 10: Discharge through element = area of element*average velocity of element
Note 11: Element discharge percent = discharge through element/total discharge X 100%. Element discharge should not exceed 10%.

STREAM DISCHARGE SPREADSHEET

Site Number: BGT14 **Subsegment:** 120102 **Waterbody** Catfish Canal (Tributary to Bayou Grosse Tete)
Site Description: 20 yds downstream of Highway 77 culvert
Type of Meter: ☐ Price A:A 1:1 ☑ Pygmy ☐ Price A:A 5:1 **Standard:** ☐ Standard 1 ☑ Standard 2
Type of Equipment: ☑ Wading ☐ Bridge Board ☐ Boat Board
Initial Bank: ☑ RDB ☐ LDB
Tapedown:
Guage Height:
Date: 9/25/2001
Start Time: 9:20 **End Time:** 10:36

WIDTH[1] (ft):	3.80
AREA[2] (ft^2):	0.49
AVG. DEPTH[3] (ft):	0.13
DISCHARGE[4] (cfs):	0.23
AVG. VELOCITY[5] (fps):	0.47

Subsection	Distance from initial point (ft)	Width of element[6] (ft)	Depth of element (ft)	Area of element[7] (ft^2)	Velocity of element (fps)				Adjusted Angle[9]	Discharge through element[10] (cfs)	Element discharge at % of total discharge[11]
					.2D	.6D	.8D	Average[8]			
1	0.0	0.10	0.00	0.00		0.00		0.00			
2	0.2	0.20	0.10	0.02		0.00		0.00		0.00	0.00%
3	0.4	0.20	0.10	0.02		0.00		0.00		0.00	0.00%
4	0.6	0.20	0.10	0.02		0.00		0.00		0.00	0.00%
5	0.8	0.20	0.15	0.03		0.00		0.00		0.00	0.00%
6	1.0	0.20	0.20	0.04		0.81		0.81		0.03	13.95%
7	1.2	0.20	0.20	0.04		0.84		0.84		0.03	14.41%
8	1.4	0.20	0.25	0.05		1.19		1.19		0.06	25.63%
9	1.6	0.20	0.25	0.05		0.83		0.83		0.04	17.76%
10	1.8	0.20	0.20	0.04		0.83		0.83		0.03	14.19%
11	2.0	0.20	0.20	0.04		0.82		0.82		0.03	14.05%
12	2.2	0.20	0.15	0.03		0.00		0.00		0.00	0.00%
13	2.4	0.20	0.15	0.03		0.00		0.00		0.00	0.00%
14	2.6	0.20	0.10	0.02		0.00		0.00		0.00	0.00%
15	2.8	0.20	0.10	0.02		0.00		0.00		0.00	0.00%
16	3.0	0.20	0.05	0.01		0.00		0.00		0.00	0.00%
17	3.2	0.20	0.05	0.01		0.00		0.00		0.00	0.00%
18	3.4	0.20	0.05	0.01		0.00		0.00		0.00	0.00%
19	3.6	0.20	0.05	0.01		0.00		0.00		0.00	0.00%
20	3.8	0.10	0.00	0.00		0.00		0.00		0.00	0.00%
21											
22											
23											
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41											
42											
43											
44											
45											
	Total	3.80		0.49						0.23	100.00%

Data Collection Crew			Office Data Work	
Measurement made by:	Carrick Boffy		Data Inputed by / Date:	Andrea Augustine/ 9-26-2001
Notetaker/Recorder:	Andrea Augustine		Data Input Checked by / Date:	Jamie Phillipe/ 9-26-2001
Other:				

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (ft^2) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: DISCHARGE (cfs) = sum of the discharge column
Note 5: AVG. VELOCITY (fps) = discharge/area (using the values from this table)
Note 6: Width of element
Note 7: Area = width*depth for element. These areas are generally not representative of the stream.
Note 8: Average velocity = Use 0.6D velocity if depth is less than 2.5 ft or the average of 0.2D and 0.8D velocities if depth is greater than 2.5 ft.
Note 9: If blank assume 1
Note 10: Discharge through element = area of element*average velocity of element
Note 11: Element discharge percent = discharge through element/total discharge X 100%. Element discharge should not exceed 10%.

Appendix F3 – Field Notes

Bayou Grosse Tete Survey Report
Subsegment 120104

Subsegment 120104 of Bayou Grosse Tete is approximately 28 miles long. The study was done from its headwaters east of Livonia, to the confluence with the Intracoastal Waterway, which defines subsegment 120104. The majority of the land use along the bayou is agriculture such as sugar cane, soybeans, and cotton.

The survey lasted for three days (09/24/01 – 09/26/01). The continuous monitors were put out on the first day and picked up on the last. The sites were also looked at on the first day. On the actual sampling day (9/25), the bayou had positive flow in some places, but by afternoon, the flow was positive and negative at times. The bayou seemed to be sloshing back and forth, possibly due to the navigational locks downstream, and barge traffic moving along the Intracoastal Waterway. Representative cross-sections were taken at sites specified by the Survey Plan, and at sites where estimated flow measurements were taken. Actual flows were taken at main stem and tributary sites where vertical axis current meters could be used. Some flow measurements were aborted due to changing flow directions during the afternoon, although the data was reported for reference. Water samples were collected at all main stem and tributary sites as stipulated by the Survey Plan. Eight continuous monitors were set out. They were set out at all main-stem sites. There were no problems with any of the continuous monitor data. The water level was falling throughout the survey.

The following data is available: the Survey Plan, maps, field notes, chain of custody, water quality, lab analysis, discharge data, cross sections, continuous monitor data and GPS. Available on the Watershed shared network for Bayou Grosse Tete is the following: The Survey Plan, field notes, discharge data, cross sections, continuous monitor data, and GPS data.

Bayou Grosse Tete Survey Notes
120104

9/24/01-9/26/01

9/24/01 Garner, Schwartzenburg

BGT 1B Bayou Grosse Tete downstream of weir

- Deployed Monitor @ 1145 hrs @ mid-depth (S/N 37752)

BGT 1A Bayou Grosse Tete upstream of weir

- Deployed Monitor @ 1155 hrs @ mid-depth (S/N 37754)

BGT 7 Bayou Grosse Tete @ Hwy 77 Boat Launch

- Deployed Monitor @ 1350 hrs @ mid-depth (S/N 37753)

9/25/01 Schwartzenburg, Gianelloni

BGT 13 Grand Bayou upstream of confluence w/ Bayou Grosse Tete

- Water Quality was taken @ 1200 hrs
- Secchi Depth: 0.5ft
- Discharge Measurement was taken
- Water color was muddy
- Insitu Readings (Quanta 00131)
  DO: 2.77
  DO%: 31.5
  pH: 7.14
  Temp: 21.7
  Cond: 328
  Batt: 4.2

BGT 15 Intracoastal Waterway Diversion Canal upstream of confluence w/ Bayou Grosse Tete

- Water Quality was taken @ 1700 hrs
- Secchi Depth: 1.0ft
- Flow changed directions during discharge measurement
- Water color was muddy
- Insitu Readings (Quanta 00131)
  DO: 1.5
  DO%: 18.4

pH: 6.98
Temp: 25.3
Cond: 222
Batt: 4.2

9/26/01 Garner, Schwartzenburg, Brignac

BGT 7 Bayou Grosse Tete @ Hwy 77 Boat Launch

- Picked up monitor @ 1030 hrs

BGT 2 Bayou Grosse Tete @ Hwy 411 (Frisco Bridge)

- Picked up monitor @ 1110 hrs (S/N 37759)

BGT 1B Bayou Grosse Tete downstream of weir

- Picked up monitor @ 1125 hrs

BGT 1A Bayou Grosse Tete upstream of weir

- Picked up monitor @ 1130 hrs

BAYOU GROSSE TETE SURVEY

Baldwin, Blalock
09/25/01

sample containers:
B bottle lot # ----------051501-2LPY008100C99
A bottle lot # ----------051501-2LPY032100C99
DI bottle lot # ----------060101-4LPC320600C99
UBOD bottle lot # ---------051501-4LPC128500C99
C bottle lot # ----------060101-4LPW032501C99
CHLORO A bottle lot # --060101-4LPW032501C99
TOC bottle lot # ----------00070779

acid:
HCL lot # -----HA-0271070

H2SO4 lot # --SA-0271090
HNO3 lot # ---NA-0271080

Site BGT 1a & 1b

= elevation of water above and below dam
assume 100ft. elev.---top of weir 7.13'
---bottom of weir 9.15'
= sites 1a and 1b, water is flowing upstream. Color of water is greenish –tan color to a tea color.

Site BGT 1b

= water quality samples taken @ 0940
= in situ readings: monitor # --37761
batt. 8.1
temp. 21.82
DO. 2.33
DO% 26.6
cond. 432.2
pH 7.21
sal. 0.21
= secchi disk: 2.5' (bottom)

Site BGT 1a:

=water quality samples taken @ 1010
=in situ readings: monitor # 37761
batt. 8.1
temp. 21.99
DO 3.26
DO% 37.4
Cond. 434.0
pH 7.30
sal. 0.21
= secchi disk: 2.0 ft. (bottom)
= drogues placed upstream of weir –no movement
= discharge taken on weir from 1030 – 1115

Site BGT 10:

= site assessment @1200
= no drogue movement, no visible flow, stagnant water
= water color –greenish,tan. heavy canopy ~80%

Site BGT 11:

= site assessment @1220
= drogues placed at bridge—no movement. no visible water flow
= water color- greenish

Site BGT 7:

= water quality samples taken @ 1645
= in situ readings: monitor # 37761
batt: 8.1
temp. 25.07
DO 2.85
DO% 34.4
cond. 224.2
pH 6.97
sal. 0.11
= secchi disk: 1.0 ft. -----(bottom 3.0')

Site BGT 8:

= water quality samples taken @ 1720
=in situ readings @ **1.0M**. monitor # 37761
batt. 8.1
temp. 27.24
DO 4.98
DO% 62.6
cond. 337.8
pH 7.39
sal. 0.16
= secchi disk: 1.0 ft. (bottom –10')
= no canopy

= in situ readings @ **2.0M**
batt. 8.0
temp. 27.24
DO 5.05
DO% 63.6
cond. 337.9

pH 7.38
sal. 0.16

= in situ readings @ **3.0M**
batt. 8.0
temp. 27.24
DO 4.93
DO% 63.3
cond. 336.9
pH 7.38
sal. 0.16

Bayou Grosse Tete Survey Field Notes
Subsegment 120104
09/24/01 to 09/26/01

Survey Date – 09/25/01

Garner, Stone, Severson

09/25/01

Sample Container Lot #s
A – 051501-2LPY-032 100C99
B – 051501-2LPY-008100C99
C and Chlor A – 060101-4LPY-32501C99
TOC – 00070779
UBOD – 051501-4LPC-128500C99
DI Water – 060101-4LPC-320600C99

Acid Preservative Lot #s
HNO_3 – NA-0271080
HCL – HA-1019070
H_2SO_4 – SA-0271090

Site BGT 2:
Bayou Grosse Tete at Frisco Bridge (LA Hwy 411)
905 hrs
Weather: Sunny, Clear, NW Wind 10 MPH, 65ºF
Water Color: Greenish, Brown

In-Situ Reading @ 905 hrs @ mid-depth(1.5 feet) – Meter ID # QT-00132
Temp – 23.35
Cond - 203
DO – 4.03
PH – 7.22
DO% - 47.5
Batt – 4.5

Water 3 feet deep at middle of bridge
Secchi Disk – 10”
Chlor A Taken at 15”
Water Samples taken at 905hrs at mid-depth (1.5 feet)
Drogue deployed at 927 hrs – No movement in 10 minutes – No Flow Recorded
Gage Height Reading at 0945 hrs – 6.26’

Site BGT 9:
False River Overflow Canal at Hwy 979 Bridge
1000 hrs
Weather: Sunny, Clear, NW Wind 10-15 MPH, 65ºF
Water Color: Greenish Brown

In Situ Readings @ 1000 hrs at mid-depth (1 foot) – Meter ID# -QT-00132
Temp – 23.25
Cond – 493
DO – 3.69
pH – 7.35
DO% - 43.1
Batt – 4.4

Water Depth 2 ft deep at center of bridge
Secchi Disk Reading – 18”
Chlor A Sample Taken at Botton (2 feet)
Water Samples taken at 1000 hrs at mid-depth(1foot)
Tapedown - 17.19 at 1015 hrs

Velocity Calculated by Drogue Measurement
Distance Traveled: 30.0 feet
Time of Travel: 10 minutes or 600 seconds
Drogue Velocity = .05 ft/sec (See BGT 9 Drogue Cross Section for Flow Calculation)

Representative Cross Section taken on downstream side of bridge at 1035 hrs
The little flow that was present could be completely reversed by wind.

Site BGT 3:
Bayou Grosse Tete at Livonia

1215 hrs
Weather: Sunny, Clear, NW Wind 5-10 MPH, 70ºF
Water Color: Brownish Green

In Situ Readings @ 1215 hrs at mid-depth (1.1 feet) – Meter ID# -QT-00132
Temp – 24.3
Cond – 328
DO – 2.8
pH – 7.39
DO% - 32.6
Batt – 4.6

Water Depth 2.2 ft deep at center of bridge
Secchi Disk Reading – 14"
Chlor A Sample Taken at 21"
…..BGT 3 cont.

Water Samples taken at 1215 hrs at mid-depth(1.1 feet)
Tapedown at 1230 hrs – 21.70 feet

Velocity Calculated by Drogue Measurement
Distance Traveled: 30.0 feet
Time of Travel: 3 minutes 37 seconds = 217 seconds
Drogue Velocity = .138 ft/sec (See BGT 3 Cross Section for Flow Calculation)
Flow was variable and switching directions.
Measurement taken during a period of peak positive flow.
Attempted flow with current meter but could not get meter to read.

Representative Cross Section taken on downstream side of bridge at 1230 hrs to be used for Drogue Flow Calculation.

Site BGT 12:
Bayou Fordoche at Callicot Road
1435 hrs
Weather: Sunny, Clear, NW Wind 5-10 MPH, 75ºF
Water Color: Brownish Clear

In Situ Readings @ 1435 hrs at mid-depth (1.5 feet) – Meter ID# -QT-00132
Temp – 21.72
Cond – 292
DO – 4.84
pH – 7.35
DO% - 54.1
Batt – 4.6

Water Depth 3 ft deep at culvert on upstream side.

Secchi Disk Reading – 18”
Chlor A Sample Taken at 27”
Water Samples taken at 1435 hrs at mid-depth(1.5 feet)

No Flow

BGT 99
Unnamed Trib/Distrib located just upstream of BGT 7 (Boat Launch)
Found during survey
Flow moving upstream when first arrived at site.
Got wading rod set up for flow and flow began to move downstream and slosh back and forth. Aborted discharge measurement due to flow moving in both directions and often coming to a complete stop. Apparently due to conditions at the navigational locks and barge traffic. BGT 99 appears to be some type of slough. **No Data Retrieved**.
Gage Height Readings recorded on Day of Representative Cross Section Measurements

9/19/01

Garner, Schwartzenburg

BGT 2 – Bayou Grosse Tete at Frisco Bridge
-Gage Height reading at 320 hrs
-6.34 feet

BGT 5 – Bayou Grosse Tete at Hwy 76 in Rosedale
-Gage Height at 340 hrs
-1.54 feet

Bayou Grosse Tete Field Survey Notes

09/19/01 Boffy/Phillippe
BGT1A/BGT1B
Bayou Grosse Tete @ weir (Manda Rd.)
-flowing upstream!
-cropdusters are back!
-clear/warm
-water is tea color

BGT2
Bayou Grosse Tete @ Frisco Bridge
-oil and grease evident
-water is green

-tapedown: 21.03ft.
-no flow

BGT6
Bayou Grosse Tete @ Sidney Rd. Bridge
-minimal flow
-water is black
-tapedown: 18.83ft.

BGT4
Bayou Grosse Tete @ Maringouin Bridge
-1300 hrs
-no flow
-water is black
-tapedown: 24.70ft.

BGT5
Bayou Grosse Tete @ Rosedale Bridge
-1330 hrs.
-minimal flow
-water is black
-tapedown: 21.95ft.

09/24/01 Boffy/Phillippe
Lot #s for WQ Sample Bottles:
A: 051501-2 LPY032100C99
B: 051501-2 LPY009100C99
C & chloro a: 000101-4 LPW032501C99
TOC: 00070779
BOD: 051501-4 LPC128500C99
DI Water: 060101-4 LPC-320600C99

Deployed Continuous Monitors:
BGT2: Frisco Bridge @ 1120hrs; #37759
BGT3: Livonia Bridge @ 1140hrs; #37758
BGT4: Maringouin Bridge @ 1200hrs; #37756
BGT5: Rosedale Bridge @ 1220 hrs; #37755

BGT6: Sidney Rd. Bridge @ 1235hrs; #37757

09/25/01 Augustine/Boffy/Phillippe
BGT14-Catfish Canal
-flowing
-water color is clear
-streambed is about 3 feet deep of sludge making cross-section hard to get
-flowing into Bayou Grosse Tete
-Catfish Canal is being dredged upstream of LA Hwy 77 culvert
-in situ : Hydrolab Minisonde #37762
-in situ parameters @ 0940; sample depth 0.2ft.
Temp: 19.10C
DO: 4.26 mg/l
DO%: 46.1%
SpCond: 403.9 uS/cm
pH: 6.72
Batt: 7.6v
Secchi disc: 0.2ft. (bottom visible)

BGT6-Bayou Grosse Tete @ Sidney Rd. Bridge
-water color is brown and murky
-minimal flow
-in situ parameters @ 1200; sample depth 1m.
Temp: 24.55C
Batt: 7.6v
DO%: 18.7%
DO: 1.52 mg/l
SpCond: 249.5 uS/cm
pH: 6.83
-secchi disc: 1.5ft
-tapedown: 18.5ft

BGT5-Bayou Grosse Tete @ Rosedale Bridge
-water color is dark brown and murky
-flowing downstream
-0.94 gauge height @ 1540hrs
-secchi disc: 2.0ft
-tapedown: 22.73ft.
-profiled in situ parameters @ 1400; sample depth 1m.
1 meter deep:
Temp: 25.56C
Batt: 7.6v
DO%: 40.9%
DO: 3.28 mg/l
SpCond: 283.6 uS/cm
pH: 6.91

2 meters deep:
Temp: 24.87C
Batt: 7.6v
DO%: 16.6%
DO: 1.39 mg/l
SpCond: 283.2 uS/cm
pH: 6.83

BGT4-Bayou Grosse Tete @ Maringouin Bridge
-water color is brown and murky
-no flow
-secchi disc: 1.3ft
-tapedown: 25.31ft.
-in situ parameters @ 1620; sample depth 1m.
Temp: 25.91C
Batt: 7.6v
DO%: 94.9%
DO: 7.56 mg/l
SpCond: 276.0 uS/cm
pH: 7.23

Equipment Used:
Price AA: 320-05-10517
Pygmy: 320-05-10520
Counter: 320-05-10515
Bridge Kit: #4
Nitric Acid: NA-0271080
Sulfuric Acid: SA-0271090
Hydrochloric Acid: HA-0271070

09/26/01 Augustine/Boffy/Phillippe
Continuous Monitors Picked Up:
BGT6: Sidney Rd. Bridge @ 1020hrs
BGT5: Rosedale Bridge @ 1035hrs
BGT4: Maringouin Bridge @ 1050hrs
BGT3: Livonia Bridge @ 1110hrs

Site Information

Site #: BGT3 Subsegment: 120104 Date: 7/17/03 Time: 0930 hrs

Waterbody: Bayou Grosse Tete Tapedown 1: 21.7 Staff Gauge 1:

Gauge Height 1: Tapedown 2: Staff Gauge 2: Gauge Height 2:

Site Location: 1/4 mile north of US 190

Personnel: Schnabel, Sweat, Jones

Type of Work: Recon ☐ Data Collection ☑

Weather Conditions:	Temperature (°F):	Wind (mph):	Wind Direction:
Clear ☐	Hot >85° ☑	<1 ☐	NW ☐ N ☐ NE ☐
Drizzle/Light Rain ☐	Warm > 75° ☐	1-5 ☑	SW ☐ S ☑ SE ☐
Showers ☐	Mild > 65° ☐	6-10 ☐	E ☐ W ☐
Cloud Cover:	Cool > 60° ☐	11-15 ☐	Variable ☐
0 -10% ☑	Cold < 60° ☐	>16 ☐	
11 – 40% ☐			
41 – 70% ☐			
71 – 100% ☐			

Stream Characteristics: Flowing: ☐ Measurable Flow: ☐

Flow Direction Upstream ☐ Downstream ☐ Tidally Influenced: ☐

Wind Influence: ☐ Wind Influence Direction: Upstream ☐ Downstream ☐

Algae Present ☐ Sedimentation/Turbidity Present in Water Column ☐

Floating/Aquatic Vegetation % Surface Coverage: <1 ☐ 1-25% ☐ 26-50% ☐ 51-75% ☐ 76-100% ☐

Water Quality Samples Taken: ☐ Water Quality Field Parameters: ☐ Profiling: ☐

Continuous Monitor Deployed: ☐ Continuous Monitor S/N:

Continuous Monitor Retrieved: ☐ Continuous Monitor Deployment Depth (m):

Continuous Monitor Location:

Water Quality Field Parameters

Time: Temp.(°C): pH: Spread(µmos/cm):

D.O.: D.O. %: Salinity: Depth (m): Secchi (in):

Flow Measurement: ☐ Measurement Location:

Type of Measurement: Wading ☐ Bridge Board ☐ Boat Board ☐

AquaCalc File Name:

Flow Estimated: ☐ Measurement Location:

Using Discharge Equipment: ☐ Type: Wading ☐ Bridge Board ☐ Boat Board ☐

Drogue Estimate: ☐ Dye Estimate: ☐

Right Descending Bank: Distance (ft): Time (s):

Mid Stream: Distance (ft): Time (s):

Left Descending Bank: Distance (ft): Time (s):

Cross Section Measurement: ☐ Measurement Location:

Type of Measurement: Manual ☐ Fathometer ☐ Cross Section File Name:

GPS Measurement: ☐ GPS SSF File Name:

Site GPS: ☐ Cross Section GPS: ☐

Comments: Extra data collected after original Survey

Tapedowns are identical to original survey

Site Information

Up Stream BGT 3a

Site #: Liv Wick Subsegment: ______ Date: 7/17/03 Time: 0950 hrs

Waterbody: Bayou Grosse Tete Tapedown 1: ______ Staff Gauge 1: ______

Gauge Height 1: ______ Tapedown 2: ______ Staff Gauge 2: ______ Gauge Height 2: ______

Site Location: 1/2 mile South of US 190

Personnel: Schurtz, Savant, Jones

Type of Work: Recon ☐ Data Collection ☑

Weather Conditions:	Temperature (°F):	Wind (mph):	Wind Direction:
Clear ☑	Hot >85° ☑	<1 ☐	NW ☐ N ☐ NE ☐
Drizzle/Light Rain ☐	Warm > 75° ☐	1-5 ☑	SW ☐ S ☐ SE ☑
Showers ☐	Mild > 65° ☐	6-10 ☐	E ☐ W ☐
Cloud Cover:	Cool > 60° ☐	11-15 ☐	Variable ☐
0 – 10% ☑	Cold < 60° ☐	>16 ☐	
11 – 40% ☐			
41 – 70% ☐			
71 – 100% ☐			

Stream Characteristics: Flowing: ☑ Measurable Flow: ☐

Flow Direction Upstream ☐ Downstream ☑ Tidally Influenced: ☐

Wind Influence: ☐ Wind Influence Direction: Upstream ☐ Downstream ☐

Algae Present ☐ Sedimentation/Turbidity Present in Water Column ☐

Floating/Aquatic Vegetation % Surface Coverage: <1 ☑ 1-25% ☐ 26-50% ☐ 51-75% ☐ 76-100% ☐

Water Quality Samples Taken: ☐ Water Quality Field Parameters: ☑ Profiling: ☐ Fish # 38981

Continuous Monitor Deployed: ☐ Continuous Monitor S/N: ______

Continuous Monitor Retrieved: ☐ Continuous Monitor Deployment Depth (m): ______

Continuous Monitor Location: ______

Water Quality Field Parameters

Time: 0950 Temp.(°C): 28.19 pH: 7.53 Spcond(µmhos/cm): 251.6

D.O.: 2.84 D.O. %: 36.7 Salinity: 0.12 Depth (m): 1ft Secchi (in): ______

Flow Measurement ☐ Measurement Location: ______

Type of Measurement: Wading ☐ Bridge Board ☐ Boat Board ☐

AquaCalc File Name: ______

Flow Estimated: ☐ Measurement Location: ______

Using Discharge Equipment: ☐ Type: Wading ☐ Bridge Board ☐ Boat Board ☐

Drogue Estimate: ☐ Dye Estimate: ☐

Right Descending Bank: Distance (ft): ______ Time (s): ______

Mid Stream: Distance (ft): ______ Time (s): ______

Left Descending Bank: Distance (ft): ______ Time (s): ______

Cross Section Measurement: ☐ Measurement Location: ______

Type of Measurement Manual: ☐ Fathometer ☐ Cross Section File Name: ______

GPS Measurement: ☐ GPS SSF File Name: ______

Site GPS: ☐ Cross Section GPS: ☐

Comments: Weir is 124 ft wide
Water is 0.1ft over weir

*Extra data collected after original Survey

Down Stream

BGT3b

Site Information

Site #: Liv Wier Subsegment: ____ Date: 7/17/03 Time: 0950 hrs

Waterbody: Bayou Grosstete Tapedown 1: ____ Staff Gauge 1: ____

Gauge Height 1: ____ Tapedown 2: ____ Staff Gauge 2: ____ Gauge Height 2: ____

Site Location: 1/2 mile south US 190

Personnel: Schwartzenburg, Savant, Jones

Type of Work: Recon [ ] Data Collection [X]

Weather Conditions:	Temperature (°F):	Wind (mph):	Wind Direction:
Clear [X]	Hot > 85° [X]	<1 [ ]	NW [ ] N [ ] NE [ ]
Drizzle/Light Rain [ ]	Warm > 75° [ ]	1-5 [ ]	SW [ ] S [ ] SE [X]
Showers [ ]	Mild > 65° [ ]	6-10 [ ]	E [ ] W [ ]
Cloud Cover:	Cool > 60° [ ]	11-15 [ ]	Variable [ ]
0 - 10% [X]	Cold < 60° [ ]	>16 [ ]	
11 - 40% [ ]			
41 - 70% [ ]			
71 - 100% [ ]			

Stream Characteristics: Flowing: [X] Measurable Flow: [ ]

Flow Direction Upstream [ ] Downstream [X] Tidally Influenced: [ ]

Wind Influence: [ ] Wind Influence Direction: Upstream [ ] Downstream [ ]

Algae Present [ ] Sedimentation/Turbidity Present in Water Column [ ]

Floating/Aquatic Vegetation % Surface Coverage: 0% [X] 1-25% [ ] 26-50% [ ] 51-75% [ ] 76-100% [ ]

Water Quality Samples Taken: [ ] Water Quality Field Parameters: [ ] Profiling: [ ] Insight 36951

Continuous Monitor Deployed: [ ] Continuous Monitor S/N: ____

Continuous Monitor Retrieved: [ ] Continuous Monitor Deployment Depth (m): ____

Continuous Monitor Location: ____

Water Quality Field Parameters

Time: 0950 Temp.(°C): 28.4 pH: 7.65 Spcond(µmos/cm): 252.9

D.O.: 4.67 D.O.%: 59.7 Salinity: 0.12 Depth (m): 1/2 ft Secchi (In): ____

Flow Measurement: [ ] Measurement Location: ____

Type of Measurement: Wading [ ] Bridge Board [ ] Boat Board [ ]

AquaCalc File Name: ____

Flow Estimated: [ ] Measurement Location: ____

Using Discharge Equipment: [ ] Type: Wading [ ] Bridge Board [ ] Boat Board [ ]

Drogue Estimate: [ ] Dye Estimate: [ ]

Right Descending Bank: Distance (ft): ____ Time (s): ____

Mid Stream: Distance (ft): ____ Time (s): ____

Left Descending Bank: Distance (ft): ____ Time (s): ____

Cross Section Measurement: [ ] Measurement Location: ____

Type of Measurement Manual: [ ] Fathometer [ ] Cross Section File Name: ____

GPS Measurement: [ ] GPS SSF File Name: ____

Site GPS: [ ] Cross Section GPS: [ ]

Comments: * Extra data collected after original survey

Site Information

Site #: BGT4 Subsegment: Date: 7/17/03 Time: 1015hrs

Waterbody: Bayou Grosse Tete Tapedown 1: 24.45 Staff Gauge 1:

Gauge Height 1: Tapedown 2: Staff Gauge 2: Gauge Height 2:

Site Location: 6 miles South of US 190

Personnel: Schnetz, Sweat, Jones

Type of Work: Recon ☐ Data Collection ☑

Weather Conditions:	Temperature (°F):	Wind (mph):	Wind Direction:
Clear ☑	Hot >85° ☑	<1 ☐	NW ☐ N ☐ NE ☐
Drizzle/Light Rain ☐	Warm > 75° ☐	1-5 ☑	SW ☐ S ☐ SE ☑
Showers ☐	Mild > 65° ☐	6-10 ☐	E ☐ W ☐
Cloud Cover:	Cool > 60° ☐	11-15 ☐	Variable ☐
0 –10% ☑	Cold < 60° ☐	>16 ☐	
11 – 40% ☐			
41 – 70% ☐			
71 – 100% ☐			

Stream Characteristics: Flowing: ☐ Measurable Flow: ☐

Flow Direction: Upstream ☐ Downstream ☐ Tidally Influenced: ☐

Wind Influence: ☐ Wind Influence Direction: Upstream ☐ Downstream ☐

Algae Present ☐ Sedimentation/Turbidity Present in Water Column ☐

Floating/Aquatic Vegetation % Surface Coverage: <1 ☐ 1-25% ☐ 26-50% ☐ 51-75% ☐ 76-100% ☐

Water Quality Samples Taken: ☐ Water Quality Field Parameters: ☐ Profiling: ☐

Continuous Monitor Deployed: ☐ Continuous Monitor S/N:

Continuous Monitor Retrieved: ☐ Continuous Monitor Deployment Depth (m):

Continuous Monitor Location:

Water Quality Field Parameters

Time: Temp.(°C): pH: Spcond(µmos/cm):

D.O.: D.O. %: Salinity: Depth (m): Secchi (in):

Flow Measurement: ☐ Measurement Location:

Type of Measurement: Wading ☐ Bridge Board ☐ Boat Board ☐

AquaCalc File Name:

Flow Estimated: ☐ Measurement Location:

Using Discharge Equipment: ☐ Type: Wading ☐ Bridge Board ☐ Boat Board ☐

Drogue Estimate: ☐ Dye Estimate: ☐

Right Descending Bank: Distance (ft): Time (s):

Mid Stream: Distance (ft): Time (s):

Left Descending Bank: Distance (ft): Time (s):

Cross Section Measurement: ☐ Measurement Location:

Type of Measurement: Manual: ☐ Fathometer ☐ Cross Section File Name:

GPS Measurement: ☐ GPS SSP File Name:

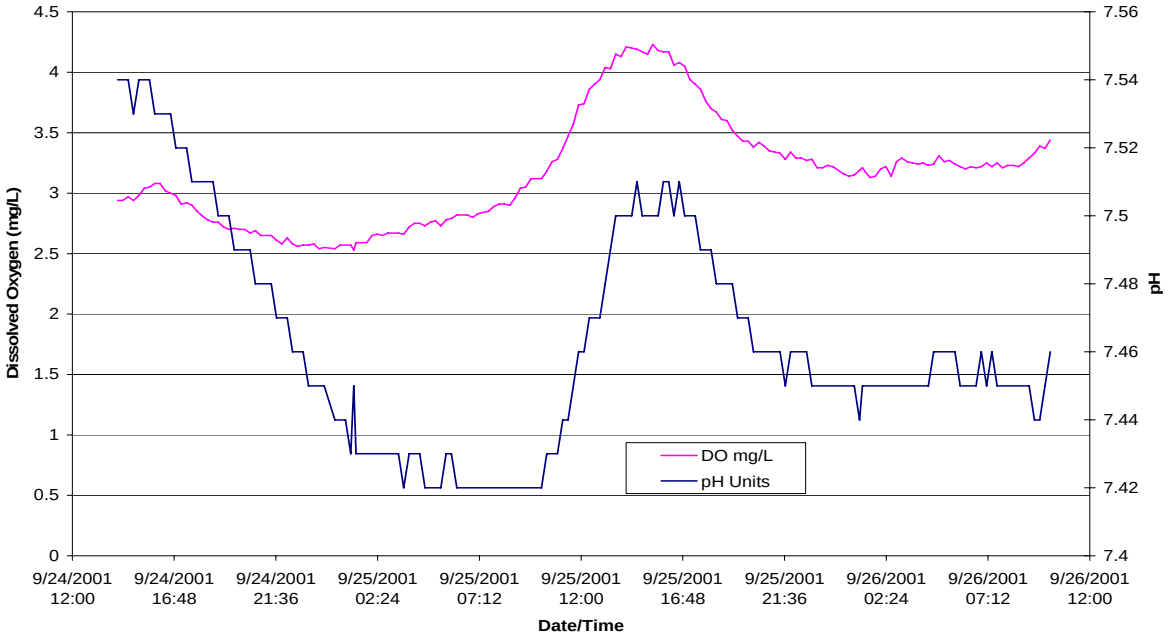
Site GPS: ☐ Cross Section GPS: ☐

Comments: Extra data collected after original survey. Tapedowns are identical to when stream was originally surveyed.

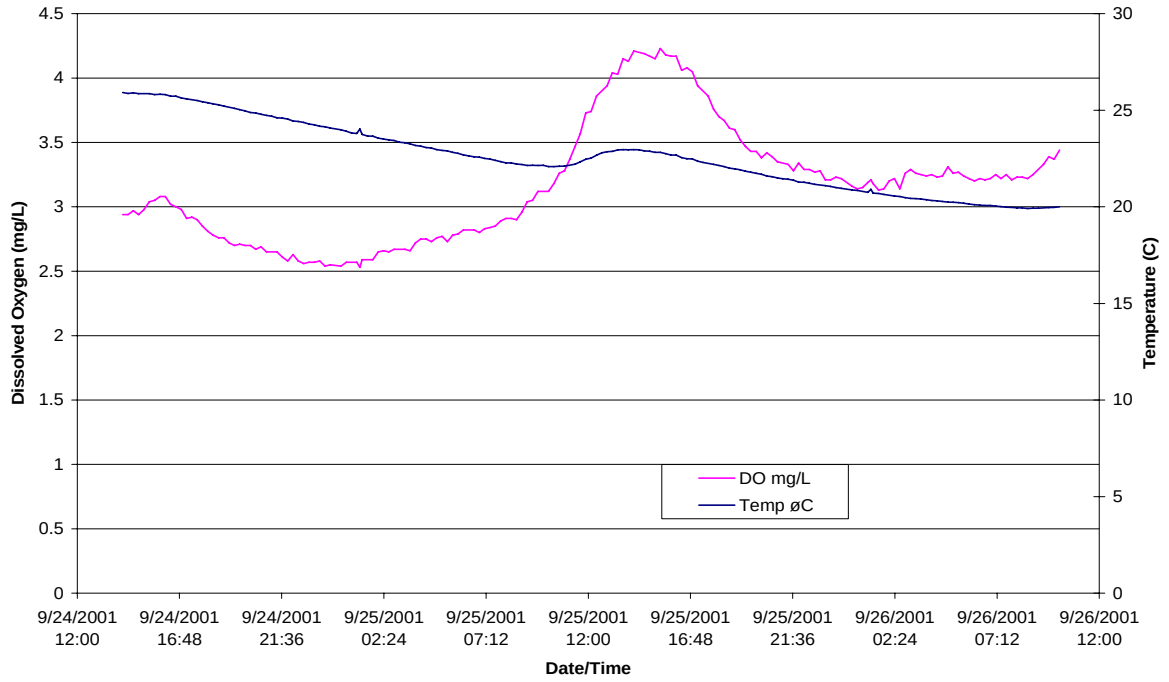
Appendix F4 – Continuous Monitor Data

CONTINUOUS MONITOR DATA SUMMARY BAYOU GROSS TETE								
SITE NUMBER AND DESCRIPTION			**Temp deg C**	**DO% Sat**	**DO mg/l**	**pH Units**	**SpCond æS/cm**	**IBatt Volts**
SITE 1a AVERAGE (9/25/02 @ 7:07am - 9/26/02 @ 7:07am)			21.63	39.22	3.44	7.46	440.09	11.09
MIN			20.04	32.80	2.83	7.42	436.00	10.80
MAX			22.96	49.20	4.23	7.51	446.00	11.20
SITE 1b AVERAGE (9/25/02 @ 7:05am - 9/26/02 @ 7:05am)			21.42	25.24	2.23	422.74	7.50	11.61
MIN			20.16	22.30	1.95	417.00	7.46	11.50
MAX			22.48	30.10	2.63	428.00	7.52	11.70
BGT2 AVERAGE (9/25/02 @ 7:12am - 9/26/02 @ 7:12am)			23.76	64.64	5.44	203.73	7.24	11.09
MIN			21.72	35.60	3.02	196.50	6.96	11.00
MAX			25.49	106.50	8.82	208.00	7.66	11.10
BGT3 AVERAGE (9/25/02 @ 7:13am - 9/26/02 @ 7:13am)			24.55	44.82	3.70	345.76	7.36	10.80
MIN			22.90	21.70	1.80	342.00	7.21	10.70
MAX			26.42	93.70	7.55	347.00	7.65	10.90
BGT4 AVERAGE (9/25/02 @ 7:02am - 9/26/02 @ 7:02am)			24.72	69.09	5.72	280.13	7.15	11.16
MIN			23.23	44.90	3.71	278.00	7.03	11.10
MAX			25.88	96.40	7.84	283.00	7.32	11.20
BGT5 AVERAGE (9/25/02 @ 7:07am - 9/26/02 @ 7:07am)			24.81	28.98	2.39	284.16	7.19	11.31
MIN			23.53	10.90	0.90	282.00	7.11	10.80
MAX			26.39	75.10	6.13	286.00	7.40	11.40
BGT6 AVERAGE (9/25/02 @ 7:13am - 9/26/02 @ 7:13am)			25.07	28.16	2.32	6.83	255.11	10.60
MIN			24.12	18.80	1.55	6.79	251.00	10.50
MAX			25.70	48.20	3.93	6.89	258.00	10.80
BGT7 AVERAGE (9/25/02 @ 7:05am - 9/26/02 @ 7:05am)			23.84	24.22	2.04	227.21	6.80	12.09
MIN			22.26	18.40	1.60	225.00	6.76	11.90
MAX			25.03	34.4	2.85	232	6.96	12.3

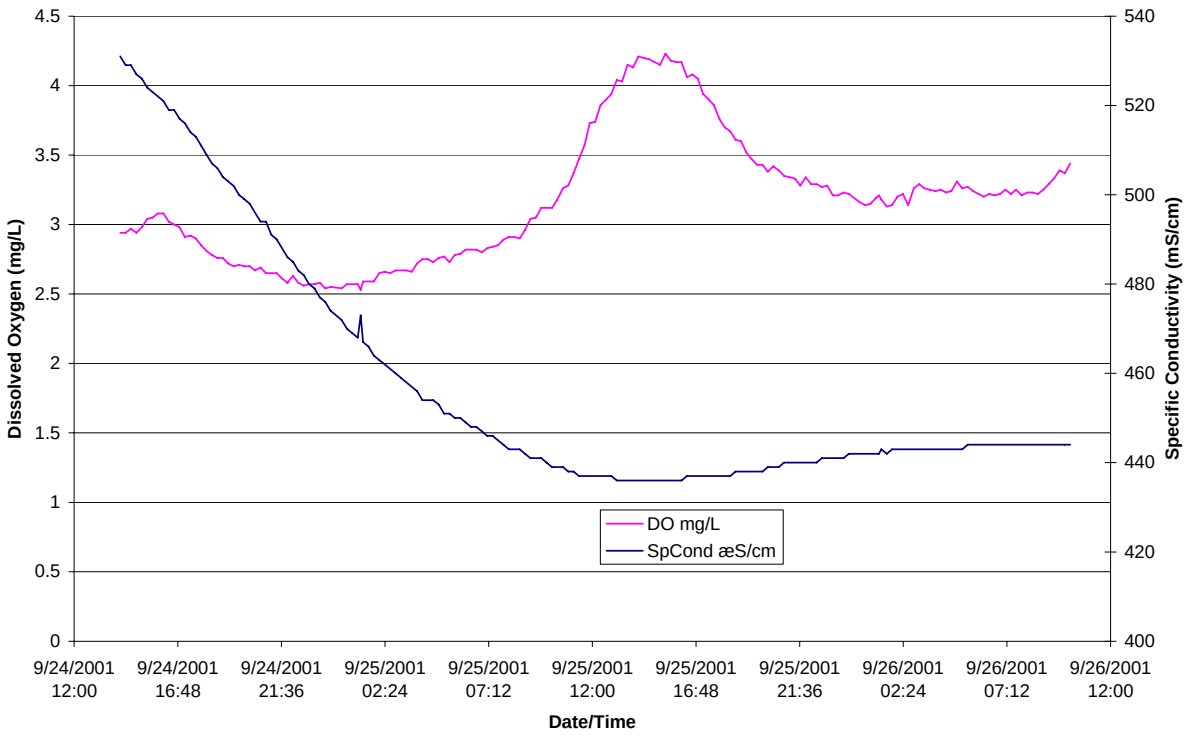
BGT1A: DO & pH v. Date/Time



BGT1A: DO & Temp v. Date/Time



BGT1A: DO & SpCond v. Date/Time



DataSonde 4a 37754
Log File Name : Bayou Grosse tete site 1a
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 095332
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 095258
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:07:58 to 09/26/2001 07:07:58

	Temp	DO%	DO	pH	SpCond	IBatt
	øC	Sat	mg/l	Units	æS/cm	Volts
Average	21.63	39.22	3.44	7.46	440.09	11.09
Min	20.04	32.80	2.83	7.42	436.00	10.80
Max	22.96	49.20	4.23	7.51	446.00	11.20

Date		Temp	DO%	DO	pH	SpCond	IBatt
MMDDYY		øC	Sat	mg/l	Units	æS/cm	Volts
09/24/2001 14:07:58		25.92	36.2	2.94	7.54	531	11.4
09/24/2001 14:22:58		25.87	36.2	2.94	7.54	529	11.3
09/24/2001 14:37:58		25.9	36.7	2.97	7.54	529	11.3
09/24/2001 14:52:58		25.86	36.2	2.94	7.53	527	11.3
09/24/2001 15:07:58		25.86	36.7	2.98	7.54	526	11.3
09/24/2001 15:22:58		25.86	37.4	3.04	7.54	524	11.3
09/24/2001 15:37:58		25.81	37.5	3.05	7.54	523	11.3

09/24/2001 15:52:58		25.83	38	3.08	7.53	522	11.2
09/24/2001 16:07:58		25.81	37.9	3.08	7.53	521	11.3
09/24/2001 16:22:58		25.73	37.1	3.02	7.53	519	11.3
09/24/2001 16:37:58		25.73	36.9	3	7.53	519	11.3
09/24/2001 16:52:58		25.64	36.6	2.98	7.52	517	11.2
09/24/2001 17:07:58		25.59	35.6	2.91	7.52	516	11.3
09/24/2001 17:22:58		25.55	35.8	2.92	7.52	514	11.3
09/24/2001 17:37:58		25.5	35.5	2.9	7.51	513	11.3
09/24/2001 17:52:58		25.44	34.8	2.85	7.51	511	11.2
09/24/2001 18:07:58		25.39	34.3	2.81	7.51	509	11.3
09/24/2001 18:22:58		25.33	33.9	2.78	7.51	507	11.2
09/24/2001 18:37:58		25.28	33.7	2.76	7.51	506	11.3
09/24/2001 18:52:58		25.21	33.6	2.76	7.5	504	11.2
09/24/2001 19:07:58		25.16	33.1	2.72	7.5	503	11.3
09/24/2001 19:22:58		25.1	32.8	2.7	7.5	502	11.3
09/24/2001 19:37:58		25.03	32.9	2.71	7.49	500	11.2
09/24/2001 19:52:58		24.97	32.7	2.7	7.49	499	11.2
09/24/2001 20:07:58		24.88	32.7	2.7	7.49	498	11.2
09/24/2001 20:22:58		24.86	32.3	2.67	7.49	496	11.2
09/24/2001 20:37:58		24.79	32.5	2.69	7.48	494	11.2
09/24/2001 20:52:58		24.74	32	2.65	7.48	494	11.3
09/24/2001 21:07:58		24.69	32	2.65	7.48	491	11.2
09/24/2001 21:22:58		24.61	31.8	2.65	7.48	490	11.2
09/24/2001 21:37:58		24.59	31.4	2.61	7.47	488	11.2
09/24/2001 21:52:58		24.54	31.1	2.58	7.47	486	11.3
09/24/2001 22:07:58		24.45	31.5	2.63	7.47	485	11.3
09/24/2001 22:22:58		24.42	30.9	2.58	7.46	483	11.1
09/24/2001 22:37:58		24.37	30.7	2.56	7.46	482	11.1
09/24/2001 22:52:58		24.29	30.8	2.57	7.46	480	11.3
09/24/2001 23:07:58		24.25	30.7	2.57	7.45	479	11.2
09/24/2001 23:22:58		24.17	30.8	2.58	7.45	477	11.1
09/24/2001 23:37:58		24.14	30.3	2.54	7.45	476	11.3
09/24/2001 23:52:58		24.08	30.4	2.55	7.45	474	11.1
09/25/2001 00:22:58		24.03	30.2	2.53	7.45	473	11.2
09/25/2001 00:37:58		23.99	30.2	2.54	7.44	472	11.1
09/25/2001 00:52:58		23.91	30.5	2.57	7.44	470	11.2
09/25/2001 01:07:58		23.82	30.5	2.57	7.44	469	11.2
09/25/2001 01:16:20		23.8	30.5	2.57	7.43	468	11.1
09/25/2001 01:22:58		23.75	30.7	2.59	7.43	467	11.1
09/25/2001 01:37:58		23.67	30.6	2.59	7.43	466	11.1
09/25/2001 01:52:58		23.66	30.7	2.59	7.43	464	11.1
09/25/2001 02:07:58		23.56	31.2	2.65	7.43	463	11.1
09/25/2001 02:22:58		23.51	31.4	2.66	7.43	462	11.1
09/25/2001 02:37:58		23.47	31.2	2.65	7.43	461	11.2
09/25/2001 02:52:58		23.43	31.4	2.67	7.43	460	11.1
09/25/2001 03:07:58		23.34	31.4	2.67	7.43	459	11.1
09/25/2001 03:22:58		23.32	31.3	2.67	7.43	458	11.1
09/25/2001 03:37:58		23.26	31.3	2.66	7.42	457	11.1

09/25/2001 03:52:58		23.18	31.8	2.72	7.43	456	11.1
09/25/2001 04:07:58		23.14	32.2	2.75	7.43	454	11.2
09/25/2001 04:22:58		23.07	32.1	2.75	7.43	454	11.1
09/25/2001 04:37:58		23.04	31.9	2.73	7.42	454	11.1
09/25/2001 04:52:58		22.96	32.2	2.76	7.42	453	11.1
09/25/2001 05:07:58		22.92	32.3	2.77	7.42	451	11.1
09/25/2001 05:22:58		22.9	31.8	2.73	7.42	451	11.1
09/25/2001 05:37:58		22.82	32.4	2.78	7.43	450	11.1
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09/25/2001 06:07:58		22.69	32.7	2.82	7.42	449	11.1
09/25/2001 06:22:58		22.64	32.7	2.82	7.42	448	11.1
09/25/2001 06:37:58		22.59	32.7	2.82	7.42	448	11.1
09/25/2001 06:52:58		22.57	32.4	2.8	7.42	447	11.2
09/25/2001 07:07:58		22.51	32.8	2.83	7.42	446	11.2
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09/25/2001 07:37:58		22.41	33	2.85	7.42	445	11.1
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09/25/2001 08:07:58		22.28	33.6	2.91	7.42	443	11.1
09/25/2001 08:22:58		22.27	33.5	2.91	7.42	443	11.1
09/25/2001 08:37:58		22.22	33.4	2.9	7.42	443	11.1
09/25/2001 08:52:58		22.19	34	2.96	7.42	442	11.2
09/25/2001 09:07:58		22.14	34.9	3.04	7.42	441	11.2
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09/25/2001 10:22:58		22.08	36.5	3.18	7.43	439	11.2
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09/25/2001 10:52:58		22.11	37.7	3.28	7.43	438	11.1
09/25/2001 11:07:58		22.16	38.7	3.37	7.44	438	11.1
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09/25/2001 12:07:58		22.52	43.3	3.74	7.46	437	11.1
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09/25/2001 14:37:58		22.9	48.8	4.19	7.51	436	11.1
09/25/2001 14:52:58		22.88	48.6	4.17	7.5	436	11.1
09/25/2001 15:07:58		22.82	48.3	4.15	7.5	436	11.1
09/25/2001 15:22:58		22.82	49.2	4.23	7.5	436	11.1
09/25/2001 15:37:58		22.75	48.5	4.18	7.5	436	11.1

09/25/2001 15:52:58		22.68	48.4	4.17	7.51	436	11.1
09/25/2001 16:07:58		22.68	48.3	4.17	7.51	436	11.1
09/25/2001 16:22:58		22.55	47	4.06	7.5	437	11.1
09/25/2001 16:37:58		22.49	47.2	4.08	7.51	437	11.1
09/25/2001 16:52:58		22.48	46.8	4.05	7.5	437	11.1
09/25/2001 17:07:58		22.36	45.4	3.94	7.5	437	11.1
09/25/2001 17:22:58		22.3	45	3.9	7.5	437	11.1
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09/25/2001 18:07:58		22.14	42.5	3.7	7.49	437	11.1
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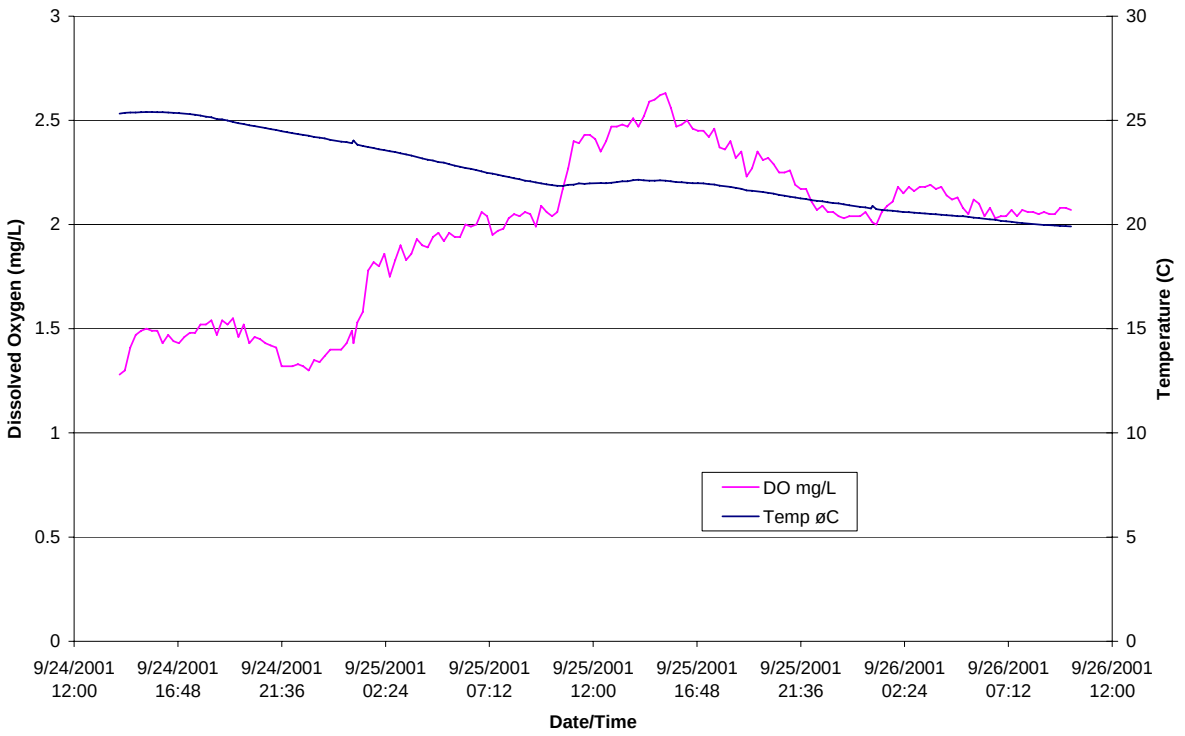
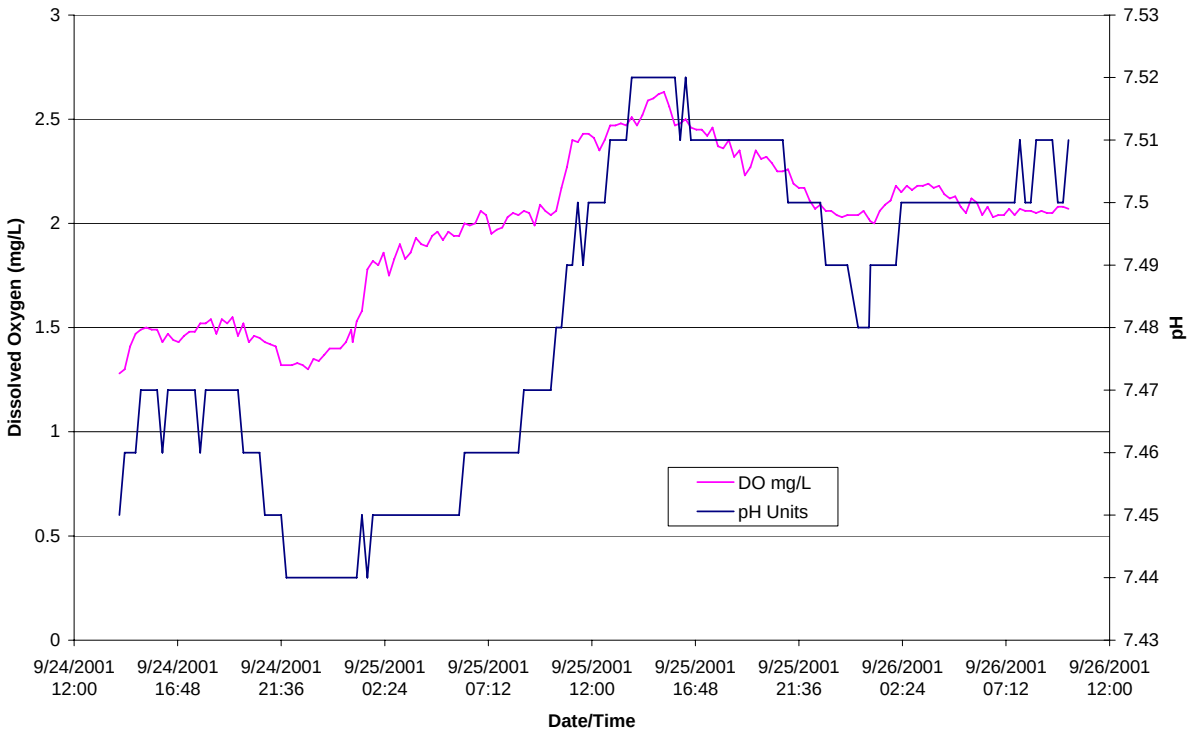
09/25/2001 19:52:58		21.74	39.1	3.43	7.47	438	11.1
09/25/2001 20:07:58		21.69	38.4	3.38	7.46	439	11.1
09/25/2001 20:22:58		21.59	38.9	3.42	7.46	439	11.1
09/25/2001 20:37:58		21.56	38.5	3.39	7.46	439	11.1
09/25/2001 20:52:58		21.5	38.1	3.35	7.46	440	11.1
09/25/2001 21:07:58		21.45	37.9	3.34	7.46	440	11.1
09/25/2001 21:22:58		21.43	37.7	3.33	7.46	440	11.1
09/25/2001 21:37:58		21.38	37.2	3.28	7.45	440	11.1
09/25/2001 21:52:58		21.28	37.7	3.34	7.46	440	11.1
09/25/2001 22:07:58		21.27	37.2	3.29	7.46	440	11.1
09/25/2001 22:22:58		21.22	37.1	3.29	7.46	440	11.1
09/25/2001 22:37:58		21.16	36.9	3.27	7.46	441	11.1
09/25/2001 22:52:58		21.13	37	3.28	7.45	441	11.1
09/25/2001 23:07:58		21.1	36.2	3.21	7.45	441	11.1
09/25/2001 23:22:58		21.06	36.1	3.21	7.45	441	11.1
09/25/2001 23:37:58		21	36.3	3.23	7.45	441	11.1
09/25/2001 23:52:58		20.96	36.1	3.22	7.45	442	11.1
09/26/2001 00:22:58		20.91	36	3.21	7.45	442	11.1
09/26/2001 00:37:58		20.87	35.4	3.16	7.45	442	11.1
09/26/2001 00:52:58		20.85	35.2	3.14	7.45	442	11
09/26/2001 01:07:58		20.8	35.3	3.15	7.45	442	11.1
09/26/2001 01:16:20		20.75	35.6	3.19	7.44	442	11.1
09/26/2001 01:22:58		20.71	35.6	3.18	7.45	443	11.1
09/26/2001 01:37:58		20.69	34.9	3.13	7.45	442	11.1
09/26/2001 01:52:58		20.64	35	3.14	7.45	443	11.1
09/26/2001 02:07:58		20.6	35.7	3.2	7.45	443	11.1
09/26/2001 02:22:58		20.56	35.9	3.22	7.45	443	11.1
09/26/2001 02:37:58		20.54	35	3.14	7.45	443	11.1
09/26/2001 02:52:58		20.48	36.2	3.26	7.45	443	11
09/26/2001 03:07:58		20.44	36.6	3.29	7.45	443	11.1
09/26/2001 03:22:58		20.43	36.2	3.26	7.45	443	11
09/26/2001 03:37:58		20.4	36.1	3.25	7.45	443	11.1

09/26/2001 03:52:58		20.37	35.9	3.24	7.45	443	11
09/26/2001 04:07:58		20.33	36	3.25	7.45	443	11
09/26/2001 04:22:58		20.31	35.8	3.23	7.45	443	11.1
09/26/2001 04:37:58		20.28	35.9	3.24	7.46	443	11.1
09/26/2001 04:52:58		20.25	36.6	3.31	7.46	443	11
09/26/2001 05:07:58		20.24	36.1	3.26	7.46	443	11.1
09/26/2001 05:22:58		20.22	36.2	3.27	7.46	444	11
09/26/2001 05:37:58		20.19	35.8	3.24	7.46	444	11
09/26/2001 05:52:58		20.15	35.6	3.22	7.45	444	11.1
09/26/2001 06:07:58		20.11	35.4	3.2	7.45	444	11
09/26/2001 06:22:58		20.09	35.5	3.22	7.45	444	11
09/26/2001 06:37:58		20.07	35.4	3.21	7.45	444	11.1
09/26/2001 06:52:58		20.07	35.5	3.22	7.46	444	11.1
09/26/2001 07:07:58		20.04	35.8	3.25	7.45	444	11
09/26/2001 07:22:58		20.01	35.5	3.22	7.46	444	11
09/26/2001 07:37:58		19.98	35.8	3.25	7.45	444	11
09/26/2001 07:52:58		19.97	35.4	3.21	7.45	444	11
09/26/2001 08:07:58		19.95	35.5	3.23	7.45	444	11
09/26/2001 08:22:58		19.95	35.5	3.23	7.45	444	11
09/26/2001 08:37:58		19.92	35.5	3.22	7.45	444	11
09/26/2001 08:52:58		19.93	35.7	3.25	7.45	444	10.9
09/26/2001 09:07:58		19.93	36.1	3.29	7.45	444	11
09/26/2001 09:22:58		19.95	36.6	3.33	7.44	444	11
09/26/2001 09:37:58		19.96	37.3	3.39	7.44	444	11
09/26/2001 09:52:58		19.97	37.1	3.37	7.45	444	11
09/26/2001 10:07:58		20	37.9	3.44	7.46	444	11.1

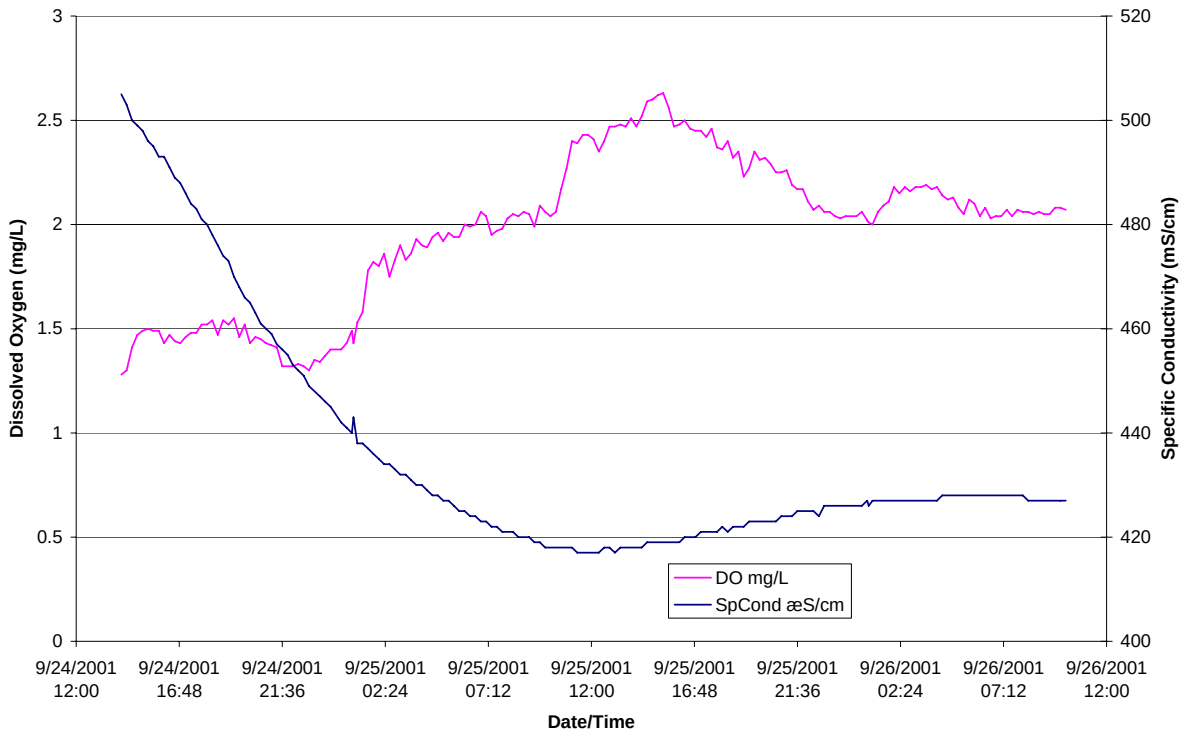
BGT1B: DO & Temp v. Date/Time



BGT1B: DO & pH v. Date/Time



BGT1B: DO & SpCond v. Date/Time



DataSonde 4a 37752
Log File Name : Bayou Grosse tete site 1b
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 100609
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 100545
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:05:45 to 09/26/2001 07:05:45

	Temp	DO%	DO	SpCond	pH	IBatt
	øC	Sat	mg/l	æS/cm	Units	Volts
Average	21.42	25.24	2.23	422.74	7.50	11.61
Min	20.16	22.30	1.95	417.00	7.46	11.50
Max	22.48	30.10	2.63	428.00	7.52	11.70

Date		Temp	DO%	DO	SpCond	pH	IBatt
MMDDYY		øC	Sat	mg/l	æS/cm	Units	Volts
09/24/2001 14:05:45		25.32	15.6	1.28	505	7.45	11.8
09/24/2001 14:20:45		25.36	15.9	1.3	503	7.46	11.8
09/24/2001 14:35:45		25.38	17.3	1.41	500	7.46	11.8
09/24/2001 14:50:45		25.38	17.9	1.47	499	7.46	11.8
09/24/2001 15:05:45		25.39	18.2	1.49	498	7.47	11.8
09/24/2001 15:20:45		25.4	18.3	1.5	496	7.47	11.7
09/24/2001 15:35:45		25.4	18.2	1.49	495	7.47	11.8

09/24/2001 15:50:45		25.39	18.2	1.49	493	7.47	11.8
09/24/2001 16:05:45		25.39	17.5	1.43	493	7.46	11.8
09/24/2001 16:20:45		25.38	17.9	1.47	491	7.47	11.7
09/24/2001 16:35:45		25.36	17.5	1.44	489	7.47	11.8
09/24/2001 16:50:45		25.34	17.4	1.43	488	7.47	11.8
09/24/2001 17:05:45		25.32	17.9	1.46	486	7.47	11.8
09/24/2001 17:20:45		25.3	18	1.48	484	7.47	11.8
09/24/2001 17:35:45		25.27	18.1	1.48	483	7.47	11.8
09/24/2001 17:50:45		25.23	18.6	1.52	481	7.46	11.8
09/24/2001 18:05:45		25.18	18.5	1.52	480	7.47	11.8
09/24/2001 18:20:45		25.14	18.8	1.54	478	7.47	11.8
09/24/2001 18:35:45		25.06	17.9	1.47	476	7.47	11.7
09/24/2001 18:50:45		25.04	18.7	1.54	474	7.47	11.8
09/24/2001 19:05:45		24.99	18.4	1.52	473	7.47	11.7
09/24/2001 19:20:45		24.92	18.7	1.55	470	7.47	11.7
09/24/2001 19:35:45		24.86	17.7	1.46	468	7.47	11.8
09/24/2001 19:50:45		24.82	18.4	1.52	466	7.46	11.7
09/24/2001 20:05:45		24.76	17.2	1.43	465	7.46	11.7
09/24/2001 20:20:45		24.72	17.5	1.46	463	7.46	11.7
09/24/2001 20:35:45		24.68	17.4	1.45	461	7.46	11.7
09/24/2001 20:50:45		24.63	17.3	1.43	460	7.45	11.8
09/24/2001 21:05:45		24.58	17.1	1.42	459	7.45	11.7
09/24/2001 21:20:45		24.54	16.9	1.41	457	7.45	11.7
09/24/2001 21:35:45		24.48	15.8	1.32	456	7.45	11.8
09/24/2001 21:50:45		24.43	15.8	1.32	455	7.44	11.7
09/24/2001 22:05:45		24.39	15.9	1.32	453	7.44	11.7
09/24/2001 22:20:45		24.34	16	1.33	452	7.44	11.7
09/24/2001 22:35:45		24.3	15.8	1.32	451	7.44	11.7
09/24/2001 22:50:45		24.26	15.5	1.3	449	7.44	11.7
09/24/2001 23:05:45		24.2	16.2	1.35	448	7.44	11.7
09/24/2001 23:20:45		24.17	16	1.34	447	7.44	11.8
09/24/2001 23:35:45		24.13	16.3	1.37	446	7.44	11.8
09/24/2001 23:50:45		24.06	16.7	1.4	445	7.44	11.8
09/25/2001 00:20:45		24.03	17	1.43	443	7.44	11.6
09/25/2001 00:35:45		23.98	16.7	1.4	442	7.44	11.7
09/25/2001 00:50:45		23.95	17.1	1.43	441	7.44	11.7
09/25/2001 00:54:50		23.9	17.6	1.49	440	7.44	11.8
09/25/2001 01:05:45		23.83	18.1	1.53	438	7.44	11.6
09/25/2001 01:20:45		23.77	18.7	1.58	438	7.45	11.7
09/25/2001 01:35:45		23.72	21.1	1.78	437	7.44	11.6
09/25/2001 01:50:45		23.67	21.5	1.82	436	7.45	11.7
09/25/2001 02:05:45		23.61	21.3	1.8	435	7.45	11.7
09/25/2001 02:20:45		23.57	21.9	1.86	434	7.45	11.7
09/25/2001 02:35:45		23.52	20.7	1.75	434	7.45	11.8
09/25/2001 02:50:45		23.48	21.6	1.83	433	7.45	11.7
09/25/2001 03:05:45		23.42	22.4	1.9	432	7.45	11.7
09/25/2001 03:20:45		23.36	21.5	1.83	432	7.45	11.6
09/25/2001 03:35:45		23.31	21.9	1.86	431	7.45	11.6

09/25/2001 03:50:45		23.24	22.6	1.93	430	7.45	11.7
09/25/2001 04:05:45		23.17	22.2	1.9	430	7.45	11.7
09/25/2001 04:20:45		23.11	22.1	1.89	429	7.45	11.6
09/25/2001 04:35:45		23.07	22.7	1.94	428	7.45	11.6
09/25/2001 04:50:45		23	22.9	1.96	428	7.45	11.6
09/25/2001 05:05:45		22.97	22.4	1.92	427	7.45	11.7
09/25/2001 05:20:45		22.89	22.9	1.96	427	7.45	11.7
09/25/2001 05:35:45		22.83	22.5	1.94	426	7.45	11.7
09/25/2001 05:50:45		22.77	22.5	1.94	425	7.45	11.7
09/25/2001 06:05:45		22.71	23.2	2	425	7.46	11.7
09/25/2001 06:20:45		22.67	23.1	1.99	424	7.46	11.7
09/25/2001 06:35:45		22.61	23.2	2	424	7.46	11.6
09/25/2001 06:50:45		22.55	23.9	2.06	423	7.46	11.7
09/25/2001 07:05:45		22.48	23.6	2.04	423	7.46	11.7
09/25/2001 07:20:45		22.44	22.5	1.95	422	7.46	11.7
09/25/2001 07:35:45		22.39	22.7	1.97	422	7.46	11.6
09/25/2001 07:50:45		22.33	22.9	1.98	421	7.46	11.7
09/25/2001 08:05:45		22.28	23.4	2.03	421	7.46	11.7
09/25/2001 08:20:45		22.22	23.6	2.05	421	7.46	11.6
09/25/2001 08:35:45		22.17	23.5	2.04	420	7.46	11.7
09/25/2001 08:50:45		22.11	23.6	2.06	420	7.47	11.6
09/25/2001 09:05:45		22.07	23.5	2.05	420	7.47	11.7
09/25/2001 09:20:45		22.02	22.7	1.99	419	7.47	11.7
09/25/2001 09:35:45		21.97	23.9	2.09	419	7.47	11.7
09/25/2001 09:50:45		21.93	23.5	2.06	418	7.47	11.7
09/25/2001 10:05:45		21.89	23.3	2.04	418	7.47	11.7
09/25/2001 10:20:45		21.86	23.5	2.06	418	7.48	11.7
09/25/2001 10:35:45		21.85	24.8	2.17	418	7.48	11.7
09/25/2001 10:50:45		21.9	25.9	2.27	418	7.49	11.6
09/25/2001 11:05:45		21.91	27.4	2.4	418	7.49	11.6
09/25/2001 11:20:45		21.97	27.4	2.39	417	7.5	11.6
09/25/2001 11:35:45		21.95	27.8	2.43	417	7.49	11.6
09/25/2001 11:50:45		21.97	27.9	2.43	417	7.5	11.7
09/25/2001 12:05:45		21.98	27.6	2.41	417	7.5	11.6
09/25/2001 12:20:45		21.99	26.9	2.35	417	7.5	11.6
09/25/2001 12:35:45		21.98	27.5	2.4	418	7.5	11.7
09/25/2001 12:50:45		22	28.3	2.47	418	7.51	11.6
09/25/2001 13:05:45		22.04	28.4	2.47	417	7.51	11.7
09/25/2001 13:20:45		22.07	28.4	2.48	418	7.51	11.7
09/25/2001 13:35:45		22.07	28.3	2.47	418	7.51	11.7
09/25/2001 13:50:45		22.13	28.8	2.51	418	7.52	11.6
09/25/2001 14:05:45		22.15	28.4	2.47	418	7.52	11.7
09/25/2001 14:20:45		22.12	29	2.52	418	7.52	11.7
09/25/2001 14:35:45		22.11	29.8	2.59	419	7.52	11.6
09/25/2001 14:50:45		22.11	29.9	2.6	419	7.52	11.7
09/25/2001 15:05:45		22.12	30.1	2.62	419	7.52	11.7
09/25/2001 15:20:45		22.1	30.1	2.63	419	7.52	11.6
09/25/2001 15:35:45		22.07	29.3	2.56	419	7.52	11.7

09/25/2001 15:50:45		22.04	28.4	2.47	419	7.52	11.6
09/25/2001 16:05:45		22.03	28.4	2.48	419	7.51	11.7
09/25/2001 16:20:45		22	28.7	2.5	420	7.52	11.7
09/25/2001 16:35:45		21.98	28.2	2.46	420	7.51	11.7
09/25/2001 16:50:45		21.98	28	2.45	420	7.51	11.6
09/25/2001 17:05:45		21.97	28.1	2.45	421	7.51	11.6
09/25/2001 17:20:45		21.94	27.7	2.42	421	7.51	11.6
09/25/2001 17:35:45		21.92	28.1	2.46	421	7.51	11.5
09/25/2001 17:50:45		21.87	27	2.37	421	7.51	11.6
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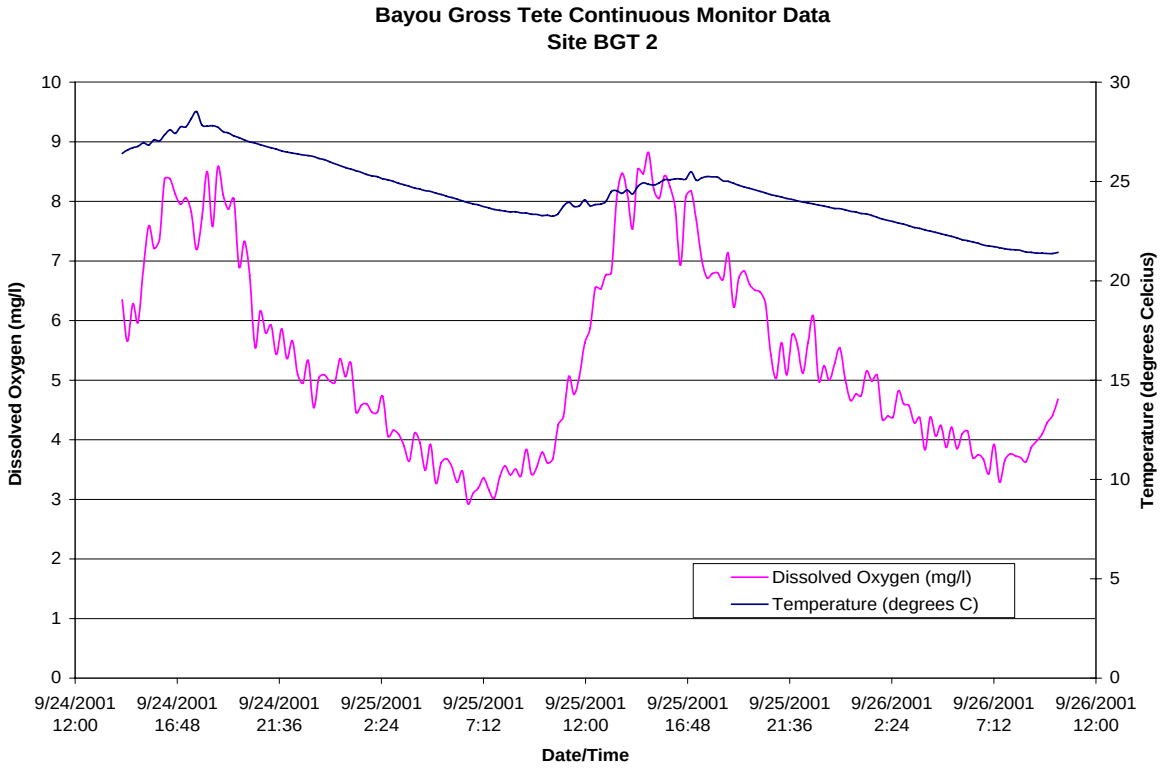
09/25/2001 18:20:45		21.8	27.4	2.4	421	7.51	11.6
09/25/2001 18:35:45		21.76	26.5	2.32	422	7.51	11.6
09/25/2001 18:50:45		21.71	26.8	2.35	422	7.51	11.6
09/25/2001 19:05:45		21.64	25.3	2.23	422	7.51	11.6
09/25/2001 19:20:45		21.62	25.9	2.27	423	7.51	11.6
09/25/2001 19:35:45		21.59	26.7	2.35	423	7.51	11.6
09/25/2001 19:50:45		21.56	26.3	2.31	423	7.51	11.5
09/25/2001 20:05:45		21.52	26.3	2.32	423	7.51	11.7
09/25/2001 20:20:45		21.48	25.9	2.29	423	7.51	11.6
09/25/2001 20:35:45		21.42	25.4	2.25	423	7.51	11.6
09/25/2001 20:50:45		21.38	25.5	2.25	424	7.51	11.5
09/25/2001 21:05:45		21.34	25.6	2.26	424	7.5	11.6
09/25/2001 21:20:45		21.3	24.7	2.19	424	7.5	11.6
09/25/2001 21:35:45		21.25	24.5	2.17	425	7.5	11.6
09/25/2001 21:50:45		21.22	24.5	2.17	425	7.5	11.6
09/25/2001 22:05:45		21.17	23.8	2.11	425	7.5	11.6
09/25/2001 22:20:45		21.14	23.3	2.07	425	7.5	11.6
09/25/2001 22:35:45		21.11	23.5	2.09	424	7.5	11.6
09/25/2001 22:50:45		21.07	23.2	2.06	426	7.49	11.6
09/25/2001 23:05:45		21.03	23.2	2.06	426	7.49	11.6
09/25/2001 23:20:45		21.01	23	2.04	426	7.49	11.6
09/25/2001 23:35:45		20.97	22.8	2.03	426	7.49	11.6
09/25/2001 23:50:45		20.92	22.9	2.04	426	7.49	11.5
09/26/2001 00:20:45		20.89	22.6	2.01	426	7.49	11.6
09/26/2001 00:35:45		20.85	22.9	2.04	426	7.48	11.6
09/26/2001 00:50:45		20.82	23.1	2.06	426	7.48	11.6
09/26/2001 00:54:50		20.77	22.5	2.02	427	7.48	11.5
09/26/2001 01:05:45		20.74	22.3	2	427	7.49	11.6
09/26/2001 01:20:45		20.7	23	2.06	427	7.49	11.6
09/26/2001 01:35:45		20.68	23.3	2.09	427	7.49	11.6
09/26/2001 01:50:45		20.66	23.5	2.11	427	7.49	11.6
09/26/2001 02:05:45		20.63	24.3	2.18	427	7.49	11.6
09/26/2001 02:20:45		20.6	24	2.15	427	7.5	11.6
09/26/2001 02:35:45		20.59	24.3	2.18	427	7.5	11.5
09/26/2001 02:50:45		20.57	24	2.16	427	7.5	11.6
09/26/2001 03:05:45		20.55	24.3	2.18	427	7.5	11.6
09/26/2001 03:20:45		20.53	24.3	2.18	427	7.5	11.6
09/26/2001 03:35:45		20.51	24.3	2.19	427	7.5	11.5

09/26/2001 03:50:45		20.49	24.2	2.17	427	7.5	11.6
09/26/2001 04:05:45		20.47	24.2	2.18	427	7.5	11.6
09/26/2001 04:20:45		20.45	23.8	2.14	428	7.5	11.5
09/26/2001 04:35:45		20.43	23.5	2.12	428	7.5	11.5
09/26/2001 04:50:45		20.4	23.7	2.13	428	7.5	11.6
09/26/2001 05:05:45		20.4	23.1	2.08	428	7.5	11.6
09/26/2001 05:20:45		20.37	22.7	2.05	428	7.5	11.5
09/26/2001 05:35:45		20.33	23.5	2.12	428	7.5	11.6
09/26/2001 05:50:45		20.31	23.3	2.1	428	7.5	11.6
09/26/2001 06:05:45		20.28	22.6	2.04	428	7.5	11.6
09/26/2001 06:20:45		20.25	23	2.08	428	7.5	11.6
09/26/2001 06:35:45		20.23	22.4	2.03	428	7.5	11.5
09/26/2001 06:50:45		20.18	22.5	2.04	428	7.5	11.5
09/26/2001 07:05:45		20.16	22.6	2.04	428	7.5	11.6
09/26/2001 07:20:45		20.13	22.9	2.07	428	7.5	11.5
09/26/2001 07:35:45		20.09	22.5	2.04	428	7.5	11.6
09/26/2001 07:50:45		20.07	22.8	2.07	428	7.51	11.5
09/26/2001 08:05:45		20.05	22.7	2.06	428	7.5	11.5
09/26/2001 08:20:45		20.02	22.7	2.06	427	7.5	11.6
09/26/2001 08:35:45		20	22.6	2.05	427	7.51	11.6
09/26/2001 08:50:45		19.98	22.7	2.06	427	7.51	11.5
09/26/2001 09:05:45		19.97	22.5	2.05	427	7.51	11.6
09/26/2001 09:20:45		19.95	22.6	2.05	427	7.51	11.5
09/26/2001 09:35:45		19.93	22.9	2.08	427	7.5	11.4
09/26/2001 09:50:45		19.92	22.8	2.08	427	7.5	11.5
09/26/2001 10:05:45		19.91	22.8	2.07	427	7.51	11.6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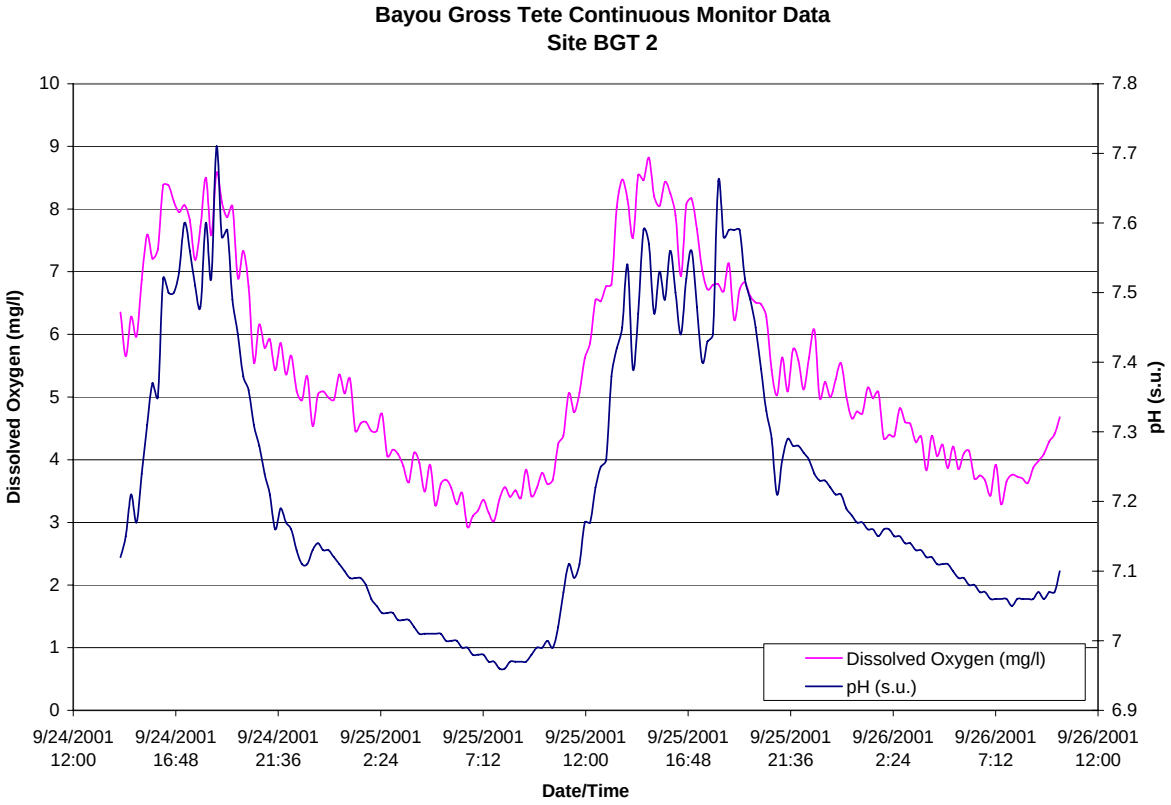
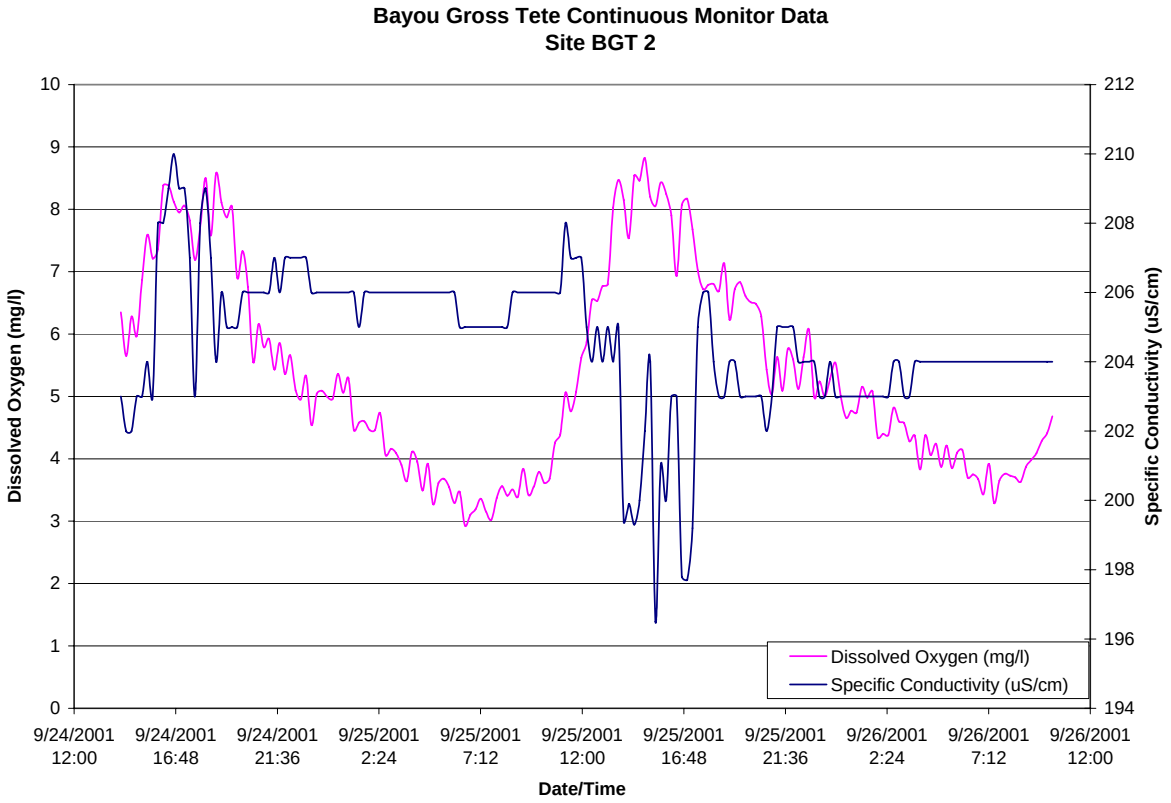
Dissolved Oxygen (mg/l)
Temperature (degrees Celcius)
Dissolved Oxygen (mg/l)
Temperature (degrees C)
Date/Time


Bayou Gross Tete Continuous Monitor Data
Site BGT 2
Dissolved Oxygen (mg/l)
pH (s.u.)
Dissolved Oxygen (mg/l)
pH (s.u.)
Date/Time



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Log File Name : bayou grosse tete site 2
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 092838
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 092736
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:12:36 to 09/26/2001 07:12:36

	Temp	DO%	DO	SpCond	pH	IBatt
	øC	Sat	mg/l	æS/cm	Units	Volts
Average	23.76	64.64	5.44	203.73	7.24	11.09
Min	21.72	35.60	3.02	196.50	6.96	11.00
Max	25.49	106.50	8.82	208.00	7.66	11.10

Date		Temp	DO%	DO	SpCond	pH	IBatt
MMDDYY		øC	Sat	mg/l	æS/cm	Units	Volts
09/24/2001 14:12:36		26.41	78.9	6.35	203	7.12	11.1
09/24/2001 14:27:36		26.58	70.4	5.65	202	7.15	11.2
09/24/2001 14:42:36		26.7	78.5	6.28	202	7.21	11.1
09/24/2001 14:57:36		26.77	74.7	5.97	203	7.17	11.2
09/24/2001 15:12:36		26.94	86.2	6.87	203	7.24	11.2
09/24/2001 15:27:36		26.84	95	7.59	204	7.31	11.2
09/24/2001 15:42:36		27.1	90.7	7.21	203	7.37	11.1

09/24/2001 15:57:36		27.04	92.6	7.36	208	7.35	11.2
09/24/2001 16:12:36		27.35	105.9	8.38	208	7.52	11.2
09/24/2001 16:27:36		27.6	106.4	8.38	209	7.5	11.1
09/24/2001 16:42:36		27.42	102.8	8.12	210	7.5	11.2
09/24/2001 16:57:36		27.75	101.2	7.95	209	7.53	11.2
09/24/2001 17:12:36		27.75	102.6	8.06	209	7.6	11.2
09/24/2001 17:27:36		28.17	100.3	7.82	207	7.56	11.1
09/24/2001 17:42:36		28.52	92.8	7.19	203	7.51	11.2
09/24/2001 17:57:36		27.84	98.4	7.72	208	7.48	11.1
09/24/2001 18:12:36		27.79	108.3	8.5	209	7.6	11.1
09/24/2001 18:27:36		27.81	96.6	7.58	207	7.52	11.1
09/24/2001 18:42:36		27.73	109.1	8.58	204	7.71	11.1
09/24/2001 18:57:36		27.51	102.8	8.11	206	7.58	11.1
09/24/2001 19:12:36		27.44	99.6	7.87	205	7.59	11.2
09/24/2001 19:27:36		27.3	101.5	8.04	205	7.49	11.1
09/24/2001 19:42:36		27.21	87	6.9	205	7.44	11.1
09/24/2001 19:57:36		27.09	92.2	7.33	206	7.38	11.1
09/24/2001 20:12:36		27	84.9	6.76	206	7.36	11.2
09/24/2001 20:27:36		26.93	69.6	5.55	206	7.31	11.2
09/24/2001 20:42:36		26.85	77.1	6.16	206	7.28	11.1
09/24/2001 20:57:36		26.77	72.5	5.79	206	7.24	11.1
09/24/2001 21:12:36		26.7	73.9	5.92	206	7.21	11.1
09/24/2001 21:27:36		26.63	67.8	5.43	207	7.16	11.2
09/24/2001 21:42:36		26.54	73	5.86	206	7.19	11.1
09/24/2001 21:57:36		26.48	66.6	5.36	207	7.17	11.1
09/24/2001 22:12:36		26.43	70.4	5.66	207	7.16	11.1
09/24/2001 22:27:36		26.39	63.3	5.1	207	7.13	11.2
09/24/2001 22:42:36		26.33	61.5	4.95	207	7.11	11.1
09/24/2001 22:57:36		26.3	66.1	5.33	207	7.11	11.1
09/24/2001 23:12:36		26.26	56.3	4.54	206	7.13	11.1
09/24/2001 23:27:36		26.16	62.4	5.04	206	7.14	11.1
09/24/2001 23:42:36		26.1	62.8	5.09	206	7.13	11.2
09/24/2001 23:57:36		26	61.6	4.99	206	7.13	11.1
09/25/2001 00:12:36		25.89	61.1	4.96	206	7.12	11.1
09/25/2001 00:27:36		25.8	65.9	5.36	206	7.11	11.1
09/25/2001 00:42:36		25.7	62	5.06	206	7.1	11.1
09/25/2001 00:57:36		25.63	64.8	5.29	206	7.09	11.1
09/25/2001 01:12:36		25.54	54.6	4.46	206	7.09	11.1
09/25/2001 01:27:36		25.46	56	4.58	205	7.09	11.2
09/25/2001 01:42:36		25.35	56.1	4.6	206	7.08	11.1
09/25/2001 01:57:36		25.28	54.4	4.46	206	7.06	11.1
09/25/2001 02:12:36		25.24	54.3	4.46	206	7.05	11.1
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09/25/2001 02:42:36		25.08	49.2	4.06	206	7.04	11.1
09/25/2001 02:57:36		25.01	50.4	4.16	206	7.04	11.1
09/25/2001 03:12:36		24.91	49.4	4.09	206	7.03	11.1
09/25/2001 03:27:36		24.84	47.1	3.9	206	7.03	11.1
09/25/2001 03:42:36		24.76	43.9	3.64	206	7.03	11.2

09/25/2001 03:57:36		24.67	49.5	4.11	206	7.02	11.1
09/25/2001 04:12:36		24.62	47.5	3.95	206	7.01	11.1
09/25/2001 04:27:36		24.54	41.9	3.49	206	7.01	11.1
09/25/2001 04:42:36		24.5	47.1	3.92	206	7.01	11.1
09/25/2001 04:57:36		24.41	39.2	3.27	206	7.01	11.1
09/25/2001 05:12:36		24.35	43.2	3.61	206	7.01	11.1
09/25/2001 05:27:36		24.26	44	3.68	206	7	11.1
09/25/2001 05:42:36		24.19	42.4	3.55	206	7	11.1
09/25/2001 05:57:36		24.11	39.3	3.29	206	7	11.1
09/25/2001 06:12:36		24.02	41.2	3.47	205	6.99	11.1
09/25/2001 06:27:36		23.94	34.9	2.93	205	6.99	11.1
09/25/2001 06:42:36		23.87	36.7	3.1	205	6.98	11.1
09/25/2001 06:57:36		23.82	37.7	3.19	205	6.98	11.1
09/25/2001 07:12:36		23.73	39.7	3.36	205	6.98	11.1
09/25/2001 07:27:36		23.67	37.3	3.15	205	6.97	11.1
09/25/2001 07:42:36		23.59	35.6	3.02	205	6.97	11.1
09/25/2001 07:57:36		23.55	39.8	3.37	205	6.96	11.1
09/25/2001 08:12:36		23.51	41.9	3.56	205	6.96	11.1
09/25/2001 08:27:36		23.47	40.2	3.41	205	6.97	11.1
09/25/2001 08:42:36		23.48	41.3	3.51	206	6.97	11.1
09/25/2001 08:57:36		23.42	39.8	3.39	206	6.97	11.1
09/25/2001 09:12:36		23.41	45.2	3.84	206	6.97	11.1
09/25/2001 09:27:36		23.35	40.1	3.42	206	6.98	11.1
09/25/2001 09:42:36		23.34	41.7	3.55	206	6.99	11.1
09/25/2001 09:57:36		23.28	44.4	3.79	206	6.99	11.1
09/25/2001 10:12:36		23.3	42.3	3.61	206	7	11.1
09/25/2001 10:27:36		23.25	43.2	3.68	206	6.99	11.1
09/25/2001 10:42:36		23.38	49.9	4.25	206	7.02	11.1
09/25/2001 10:57:36		23.76	52	4.39	206	7.07	11.1
09/25/2001 11:12:36		23.95	60	5.06	208	7.11	11.1
09/25/2001 11:27:36		23.74	56.3	4.76	207	7.09	11.1
09/25/2001 11:42:36		23.78	60	5.07	207	7.11	11.1
09/25/2001 11:57:36		24.07	66.9	5.62	207	7.17	11.1
09/25/2001 12:12:36		23.78	69.4	5.87	205	7.17	11.1
09/25/2001 12:27:36		23.84	77.6	6.55	204	7.22	11.1
09/25/2001 12:42:36		23.86	77.4	6.53	205	7.25	11.1
09/25/2001 12:57:36		24	80.4	6.77	204	7.26	11.1
09/25/2001 13:12:36		24.49	81.5	6.8	205	7.38	11.1
09/25/2001 13:27:36		24.54	96.4	8.03	204	7.42	11.1
09/25/2001 13:42:36		24.4	101.4	8.47	205	7.45	11.1
09/25/2001 13:57:36		24.57	97.9	8.15	199.4	7.54	11.1
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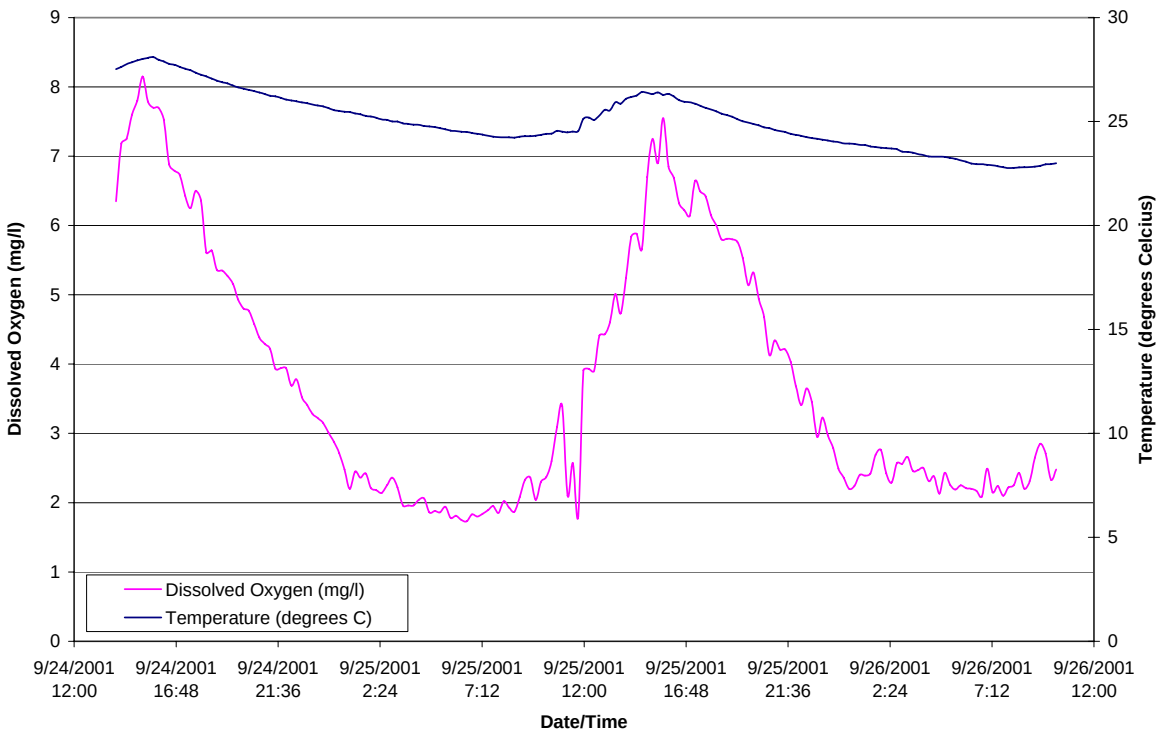
09/25/2001 14:27:36		24.75	103	8.54	199.3	7.47	11.1
09/25/2001 14:42:36		24.93	102.3	8.46	200	7.59	11.1
09/25/2001 14:57:36		24.86	106.5	8.82	202	7.57	11.1
09/25/2001 15:12:36		24.82	99	8.2	204	7.47	11.1
09/25/2001 15:27:36		24.93	97.4	8.05	196.5	7.53	11.1
09/25/2001 15:42:36		25.09	102.3	8.43	201	7.49	11.1

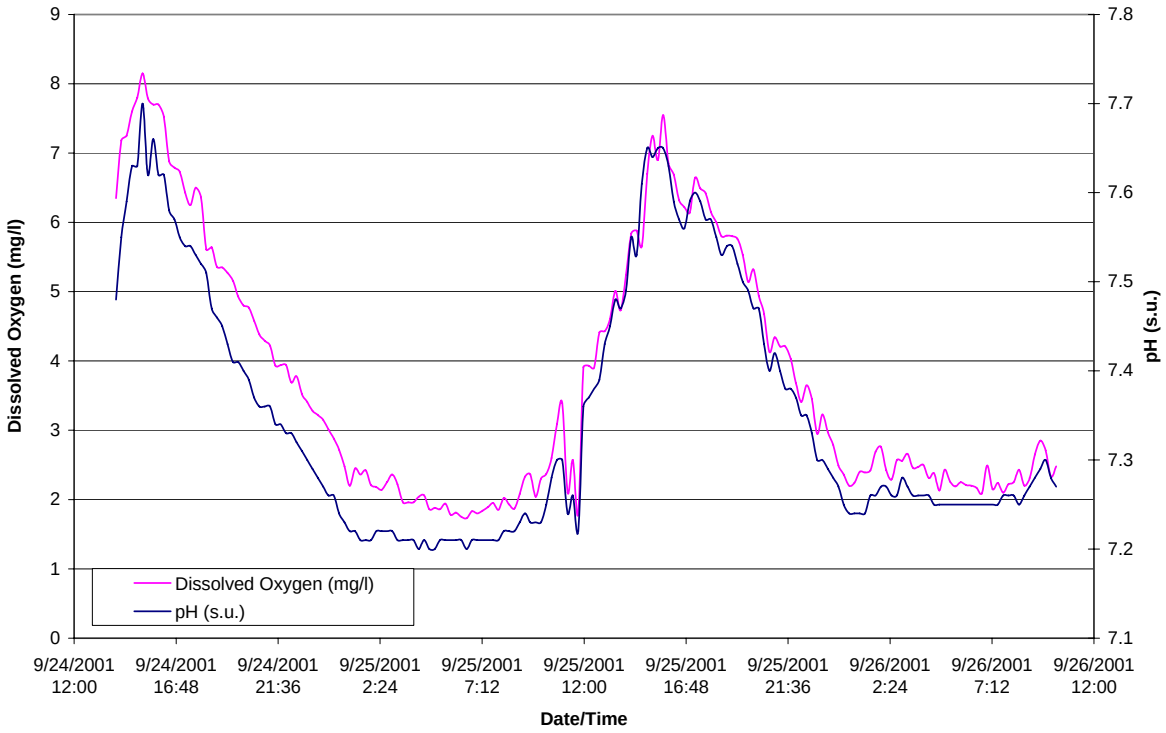
09/25/2001 15:57:36		25.08	100.1	8.25	200	7.56	11.1
09/25/2001 16:12:36		25.13	95.9	7.9	203	7.5	11.1
09/25/2001 16:27:36		25.13	84.1	6.93	203	7.44	11.1
09/25/2001 16:42:36		25.12	98	8.07	197.8	7.52	11.1
09/25/2001 16:57:36		25.49	99.9	8.17	197.7	7.56	11.1
09/25/2001 17:12:36		25.06	93.1	7.68	199.2	7.48	11.1
09/25/2001 17:27:36		25.18	85.3	7.02	205	7.4	11.1
09/25/2001 17:42:36		25.25	81.8	6.72	206	7.43	11.1
09/25/2001 17:57:36		25.23	82.6	6.79	206	7.44	11.1
09/25/2001 18:12:36		25.22	82.7	6.8	204	7.66	11.1
09/25/2001 18:27:36		25.03	81	6.69	203	7.58	11.1
09/25/2001 18:42:36		25.01	86.3	7.13	203	7.59	11.1
09/25/2001 18:57:36		24.91	75.4	6.23	204	7.59	11.1
09/25/2001 19:12:36		24.81	81.1	6.72	204	7.59	11.1
09/25/2001 19:27:36		24.73	82.4	6.83	203	7.52	11.1
09/25/2001 19:42:36		24.65	79.6	6.61	203	7.49	11.1
09/25/2001 19:57:36		24.58	78.3	6.51	203	7.45	11.1
09/25/2001 20:12:36		24.5	77.7	6.48	203	7.39	11.1
09/25/2001 20:27:36		24.42	75.2	6.28	203	7.33	11.1
09/25/2001 20:42:36		24.34	65	5.43	202	7.29	11.1
09/25/2001 20:57:36		24.28	60.1	5.03	203	7.21	11.1
09/25/2001 21:12:36		24.22	67.3	5.63	205	7.26	11.1
09/25/2001 21:27:36		24.14	60.7	5.09	205	7.29	11.1
09/25/2001 21:42:36		24.1	68.6	5.76	205	7.28	11.1
09/25/2001 21:57:36		24.02	66.4	5.59	205	7.28	11.1
09/25/2001 22:12:36		23.97	60.9	5.12	204	7.27	11
09/25/2001 22:27:36		23.92	66.9	5.63	204	7.26	11
09/25/2001 22:42:36		23.87	72	6.07	204	7.24	11.1
09/25/2001 22:57:36		23.81	59.1	4.99	204	7.23	11.1
09/25/2001 23:12:36		23.76	62	5.24	203	7.23	11.1
09/25/2001 23:27:36		23.7	59.1	5	203	7.22	11.1
09/25/2001 23:42:36		23.64	62.3	5.28	204	7.21	11.1
09/25/2001 23:57:36		23.63	65.4	5.54	203	7.21	11.1
09/26/2001 00:12:36		23.57	59.1	5.01	203	7.19	11.1
09/26/2001 00:27:36		23.5	54.9	4.66	203	7.18	11.1
09/26/2001 00:42:36		23.46	56.2	4.77	203	7.17	11.1
09/26/2001 00:57:36		23.39	55.7	4.74	203	7.17	11.1
09/26/2001 01:12:36		23.36	60.5	5.15	203	7.16	11.1
09/26/2001 01:27:36		23.29	58.4	4.98	203	7.16	11.1
09/26/2001 01:42:36		23.19	59.5	5.08	203	7.15	11.1
09/26/2001 01:57:36		23.11	50.7	4.34	203	7.16	11.1
09/26/2001 02:12:36		23.04	51.4	4.4	203	7.16	11.1
09/26/2001 02:27:36		22.98	51.1	4.38	203	7.15	11.1
09/26/2001 02:42:36		22.91	56.1	4.82	204	7.15	11.1
09/26/2001 02:57:36		22.85	53.5	4.6	204	7.14	11.1
09/26/2001 03:12:36		22.77	53	4.57	203	7.14	11.1
09/26/2001 03:27:36		22.68	49.7	4.28	203	7.13	11
09/26/2001 03:42:36		22.64	50.7	4.37	204	7.13	11.1

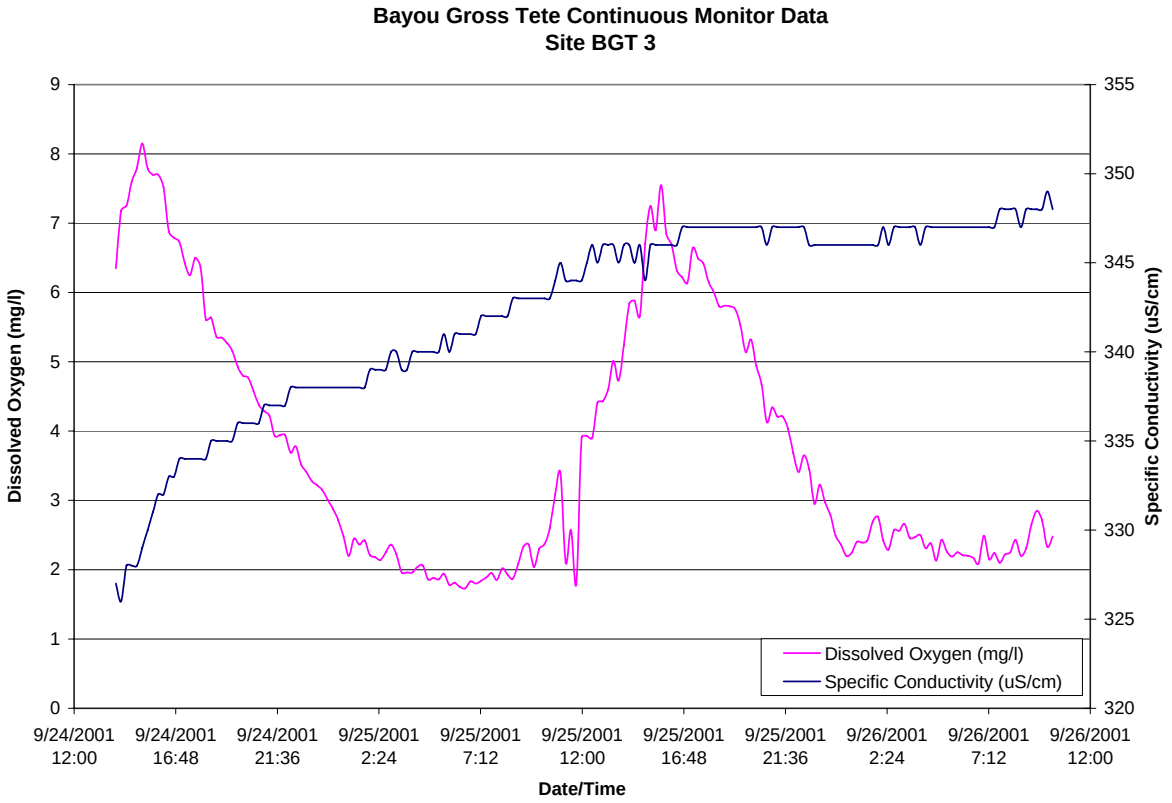
09/26/2001 03:57:36		22.56	44.3	3.83	204	7.12	11.1
09/26/2001 04:12:36		22.5	50.6	4.38	204	7.12	11.1
09/26/2001 04:27:36		22.44	46.9	4.06	204	7.11	11.1
09/26/2001 04:42:36		22.37	48.8	4.24	204	7.11	11.1
09/26/2001 04:57:36		22.3	44.6	3.87	204	7.11	11.1
09/26/2001 05:12:36		22.24	48.4	4.21	204	7.1	11.1
09/26/2001 05:27:36		22.16	44.2	3.85	204	7.09	11.1
09/26/2001 05:42:36		22.07	47	4.1	204	7.09	11.1
09/26/2001 05:57:36		22.02	47.4	4.14	204	7.08	11.1
09/26/2001 06:12:36		21.96	42.3	3.7	204	7.08	11
09/26/2001 06:27:36		21.89	42.9	3.75	204	7.07	11.1
09/26/2001 06:42:36		21.8	41.8	3.67	204	7.07	11
09/26/2001 06:57:36		21.75	39.1	3.43	204	7.06	11.1
09/26/2001 07:12:36		21.72	44.7	3.92	204	7.06	11
09/26/2001 07:27:36		21.67	37.4	3.29	204	7.06	11
09/26/2001 07:42:36		21.62	41.5	3.65	204	7.06	11.1
09/26/2001 07:57:36		21.57	42.7	3.76	204	7.05	11.1
09/26/2001 08:12:36		21.56	42.3	3.73	204	7.06	11.1
09/26/2001 08:27:36		21.53	41.9	3.7	204	7.06	11.1
09/26/2001 08:42:36		21.45	41.2	3.63	204	7.06	11.1
09/26/2001 08:57:36		21.43	43.8	3.87	204	7.06	11.1
09/26/2001 09:12:36		21.39	45	3.98	204	7.07	11.1
09/26/2001 09:27:36		21.39	46.3	4.09	204	7.06	11.1
09/26/2001 09:42:36		21.37	48.6	4.29	204	7.07	11.1
09/26/2001 09:57:36		21.37	49.9	4.41	204	7.07	11.1
09/26/2001 10:12:36		21.43	53	4.68	204	7.1	11.1

Bayou Gross Tete Continuous Monitor Data
Site BGT 3



Bayou Gross Tete Continuous Monitor Data
Site BGT 3





DataSonde 4a 37758
Log File Name : Bayou Grosse Tete site 3
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 092855
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 092819
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:13:19 to 09/26/2001 07:13:19

	Temp	DO%	DO	SpCond	pH	IBatt
	øC	Sat	mg/l	æS/cm	Units	Volts
Average	24.55	44.82	3.70	345.76	7.36	10.80
Min	22.90	21.70	1.80	342.00	7.21	10.70
Max	26.42	93.70	7.55	347.00	7.65	10.90

Date		Temp	DO%	DO	SpCond	pH	IBatt
MMDDYY		øC	Sat	mg/l	æS/cm	Units	Volts
09/24/2001 13:58:19		27.52	80.5	6.35	327	7.48	10.9
09/24/2001 14:13:19		27.63	91.3	7.18	326	7.55	10.8
09/24/2001 14:28:19		27.76	92.4	7.25	328	7.59	10.9
09/24/2001 14:43:19		27.85	97	7.6	328	7.63	10.9
09/24/2001 14:58:19		27.94	99.7	7.8	328	7.63	10.9
09/24/2001 15:13:19		28.01	104.2	8.15	329	7.7	10.9
09/24/2001 15:28:19		28.06	99.7	7.79	330	7.62	10.9

09/24/2001 15:43:19		28.1	98.6	7.7	331	7.66	10.9
09/24/2001 15:58:19		27.97	98.4	7.7	332	7.62	10.9
09/24/2001 16:13:19		27.89	96	7.52	332	7.62	10.9
09/24/2001 16:28:19		27.77	87.7	6.88	333	7.58	10.9
09/24/2001 16:43:19		27.73	86.4	6.79	333	7.57	10.9
09/24/2001 16:58:19		27.63	85.6	6.73	334	7.55	10.8
09/24/2001 17:13:19		27.54	81.6	6.43	334	7.54	10.9
09/24/2001 17:28:19		27.47	79.2	6.25	334	7.54	10.9
09/24/2001 17:43:19		27.35	82.2	6.5	334	7.53	10.9
09/24/2001 17:58:19		27.25	80.2	6.36	334	7.52	10.9
09/24/2001 18:13:19		27.17	70.7	5.61	334	7.51	10.9
09/24/2001 18:28:19		27.07	70.9	5.64	335	7.47	10.9
09/24/2001 18:43:19		26.97	67.3	5.36	335	7.46	10.9
09/24/2001 18:58:19		26.89	67.1	5.35	335	7.45	10.9
09/24/2001 19:13:19		26.83	66	5.27	335	7.43	10.9
09/24/2001 19:28:19		26.73	64.5	5.16	335	7.41	10.9
09/24/2001 19:43:19		26.64	61.6	4.93	336	7.41	10.9
09/24/2001 19:58:19		26.58	59.8	4.8	336	7.4	10.9
09/24/2001 20:13:19		26.52	59.4	4.77	336	7.39	10.9
09/24/2001 20:28:19		26.46	57	4.58	336	7.37	10.8
09/24/2001 20:43:19		26.4	54.5	4.38	336	7.36	10.8
09/24/2001 20:58:19		26.32	53.3	4.29	337	7.36	10.9
09/24/2001 21:13:19		26.24	52.3	4.22	337	7.36	10.9
09/24/2001 21:28:19		26.21	48.7	3.93	337	7.34	10.9
09/24/2001 21:43:19		26.14	48.8	3.94	337	7.34	10.9
09/24/2001 21:58:19		26.06	48.7	3.94	337	7.33	10.9
09/24/2001 22:13:19		26.01	45.6	3.69	338	7.33	10.9
09/24/2001 22:28:19		25.97	46.7	3.78	338	7.32	10.8
09/24/2001 22:43:19		25.92	43.4	3.52	338	7.31	10.9
09/24/2001 22:58:19		25.88	42	3.41	338	7.3	10.9
09/24/2001 23:13:19		25.82	40.3	3.28	338	7.29	10.8
09/24/2001 23:28:19		25.77	39.5	3.22	338	7.28	10.8
09/24/2001 23:43:19		25.73	38.7	3.15	338	7.27	10.9
09/24/2001 23:58:19		25.65	36.9	3.01	338	7.26	10.9
09/25/2001 00:13:19		25.55	35.3	2.88	338	7.26	10.8
09/25/2001 00:28:19		25.51	33.3	2.72	338	7.24	10.9
09/25/2001 00:43:19		25.47	30.4	2.48	338	7.23	10.9
09/25/2001 00:58:19		25.46	26.9	2.2	338	7.22	10.9
09/25/2001 01:13:19		25.39	29.9	2.45	338	7.22	10.9
09/25/2001 01:28:19		25.35	28.8	2.36	338	7.21	10.9
09/25/2001 01:43:19		25.27	29.4	2.42	338	7.21	10.8
09/25/2001 01:58:19		25.24	26.9	2.21	339	7.21	10.9
09/25/2001 02:13:19		25.18	26.5	2.18	339	7.22	10.8
09/25/2001 02:28:19		25.1	26	2.14	339	7.22	10.8
09/25/2001 02:43:19		25.08	27.4	2.25	339	7.22	10.9
09/25/2001 02:58:19		25	28.6	2.36	340	7.22	10.8
09/25/2001 03:13:19		25	26.8	2.22	340	7.21	10.8
09/25/2001 03:28:19		24.91	23.7	1.96	339	7.21	10.8

09/25/2001 03:43:19		24.89	23.8	1.96	339	7.21	10.9
09/25/2001 03:58:19		24.85	23.7	1.96	340	7.21	10.9
09/25/2001 04:13:19		24.84	24.7	2.04	340	7.2	10.9
09/25/2001 04:28:19		24.79	24.8	2.06	340	7.21	10.8
09/25/2001 04:43:19		24.76	22.4	1.86	340	7.2	10.9
09/25/2001 04:58:19		24.73	22.7	1.88	340	7.2	10.9
09/25/2001 05:13:19		24.68	22.4	1.86	340	7.21	10.9
09/25/2001 05:28:19		24.63	23.3	1.94	341	7.21	10.9
09/25/2001 05:43:19		24.56	21.5	1.78	340	7.21	10.8
09/25/2001 05:58:19		24.54	21.8	1.81	341	7.21	10.9
09/25/2001 06:13:19		24.51	21.1	1.75	341	7.21	10.8
09/25/2001 06:28:19		24.5	20.7	1.73	341	7.2	10.9
09/25/2001 06:43:19		24.45	21.9	1.83	341	7.21	10.8
09/25/2001 06:58:19		24.41	21.6	1.8	341	7.21	10.8
09/25/2001 07:13:19		24.37	22	1.84	342	7.21	10.8
09/25/2001 07:28:19		24.32	22.6	1.89	342	7.21	10.8
09/25/2001 07:43:19		24.27	23.3	1.95	342	7.21	10.8
09/25/2001 07:58:19		24.25	22.1	1.85	342	7.21	10.8
09/25/2001 08:13:19		24.24	24.1	2.02	342	7.22	10.9
09/25/2001 08:28:19		24.24	23	1.93	342	7.22	10.8
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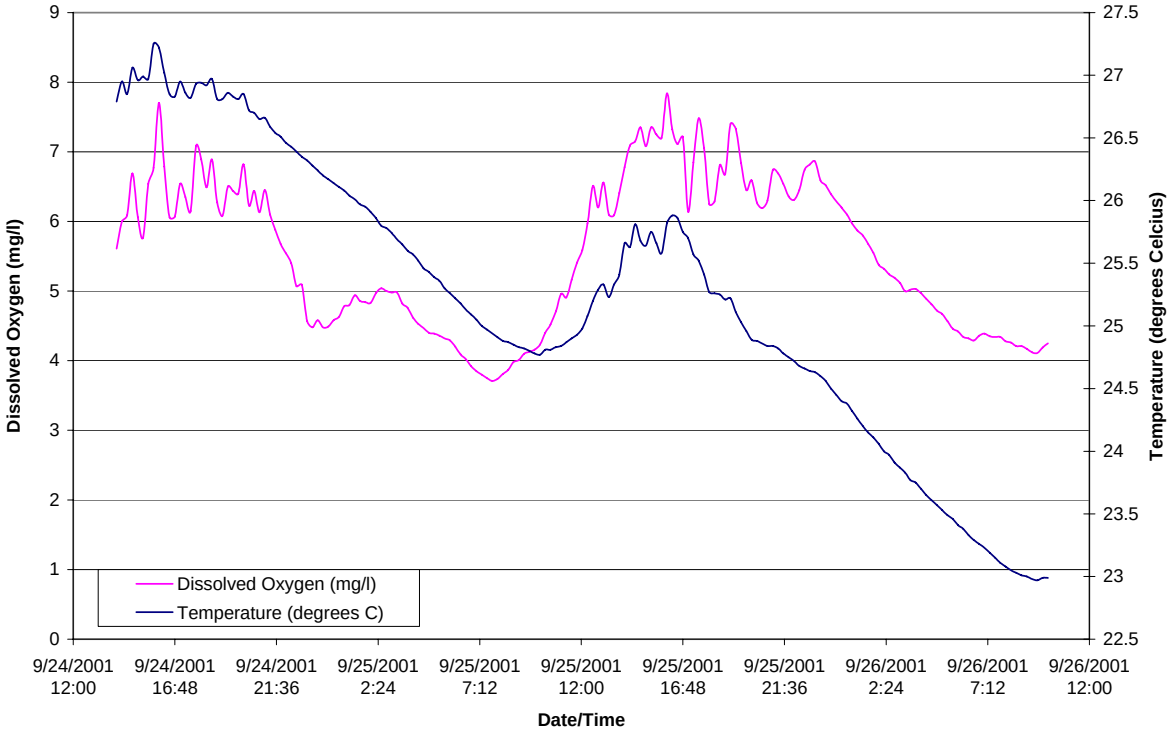
09/25/2001 08:58:19		24.27	24.9	2.08	343	7.23	10.8
09/25/2001 09:13:19		24.29	27.8	2.33	343	7.24	10.8
09/25/2001 09:28:19		24.29	28.3	2.36	343	7.23	10.8
09/25/2001 09:43:19		24.32	24.4	2.04	343	7.23	10.8
09/25/2001 09:58:19		24.36	27.5	2.3	343	7.23	10.8
09/25/2001 10:13:19		24.41	28.5	2.37	343	7.25	10.8
09/25/2001 10:28:19		24.42	31.1	2.6	343	7.28	10.8
09/25/2001 10:43:19		24.55	37.2	3.09	344	7.3	10.8
09/25/2001 10:58:19		24.51	40.7	3.39	345	7.3	10.8
09/25/2001 11:13:19		24.48	25.2	2.1	344	7.24	10.8
09/25/2001 11:28:19		24.52	30.9	2.57	344	7.26	10.8
09/25/2001 11:43:19		24.54	21.7	1.8	344	7.22	10.8
09/25/2001 11:58:19		25.13	47.5	3.91	344	7.36	10.8
09/25/2001 12:13:19		25.19	47.7	3.93	345	7.37	10.8
09/25/2001 12:28:19		25.08	47.4	3.9	346	7.38	10.8
09/25/2001 12:43:19		25.29	53.7	4.41	345	7.39	10.8
09/25/2001 12:58:19		25.56	54.2	4.43	346	7.43	10.8
09/25/2001 13:13:19		25.54	56.3	4.6	346	7.45	10.8
09/25/2001 13:28:19		25.93	61.8	5.01	346	7.48	10.8
09/25/2001 13:43:19		25.86	58.2	4.73	345	7.47	10.8
09/25/2001 13:58:19		26.09	64.7	5.24	346	7.49	10.8
09/25/2001 14:13:19		26.18	72.3	5.84	346	7.55	10.8
09/25/2001 14:28:19		26.25	72.8	5.88	345	7.53	10.8
09/25/2001 14:43:19		26.42	70.3	5.66	346	7.61	10.8
09/25/2001 14:58:19		26.38	83.2	6.7	344	7.65	10.8
09/25/2001 15:13:19		26.32	90	7.25	346	7.64	10.8
09/25/2001 15:28:19		26.4	85.8	6.9	346	7.65	10.8

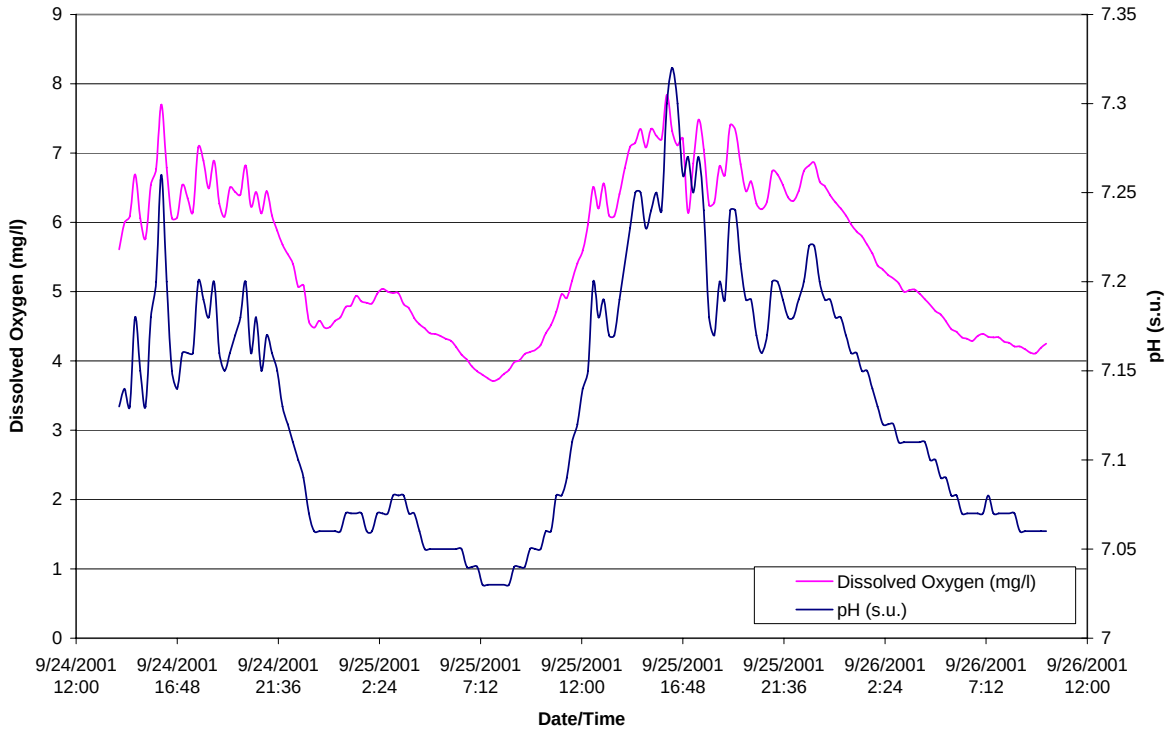
09/25/2001 15:43:19		26.28	93.7	7.55	346	7.65	10.8
09/25/2001 15:58:19		26.33	85.1	6.85	346	7.63	10.8
09/25/2001 16:13:19		26.21	82.9	6.69	346	7.59	10.8
09/25/2001 16:28:19		26.03	78.1	6.32	346	7.57	10.8
09/25/2001 16:43:19		25.95	76.6	6.22	347	7.56	10.8
09/25/2001 16:58:19		25.93	75.7	6.14	347	7.59	10.8
09/25/2001 17:13:19		25.86	81.8	6.64	347	7.6	10.8
09/25/2001 17:28:19		25.76	79.8	6.49	347	7.59	10.8
09/25/2001 17:43:19		25.66	78.7	6.42	347	7.57	10.8
09/25/2001 17:58:19		25.58	75.3	6.15	347	7.57	10.8
09/25/2001 18:13:19		25.49	73.4	6	347	7.55	10.8
09/25/2001 18:28:19		25.38	70.8	5.8	347	7.53	10.8
09/25/2001 18:43:19		25.31	70.8	5.81	347	7.54	10.8
09/25/2001 18:58:19		25.23	70.5	5.8	347	7.54	10.8
09/25/2001 19:13:19		25.11	69.9	5.76	347	7.52	10.8
09/25/2001 19:28:19		25.01	67	5.53	347	7.5	10.8
09/25/2001 19:43:19		24.95	62.2	5.14	347	7.49	10.8
09/25/2001 19:58:19		24.88	64.4	5.32	347	7.47	10.8
09/25/2001 20:13:19		24.82	59.7	4.94	347	7.47	10.8
09/25/2001 20:28:19		24.72	56.4	4.68	347	7.43	10.8
09/25/2001 20:43:19		24.68	49.8	4.13	346	7.4	10.8
09/25/2001 20:58:19		24.6	52.2	4.34	347	7.42	10.8
09/25/2001 21:13:19		24.54	50.6	4.21	347	7.4	10.8
09/25/2001 21:28:19		24.49	50.5	4.21	347	7.38	10.8
09/25/2001 21:43:19		24.41	48.2	4.03	347	7.38	10.8
09/25/2001 21:58:19		24.36	44	3.68	347	7.37	10.8
09/25/2001 22:13:19		24.31	40.8	3.41	347	7.35	10.8
09/25/2001 22:28:19		24.25	43.6	3.65	347	7.35	10.8
09/25/2001 22:43:19		24.2	41.2	3.45	346	7.33	10.8
09/25/2001 22:58:19		24.17	35.2	2.95	346	7.3	10.8
09/25/2001 23:13:19		24.13	38.5	3.23	346	7.3	10.8
09/25/2001 23:28:19		24.09	35.4	2.97	346	7.29	10.8
09/25/2001 23:43:19		24.04	33.2	2.79	346	7.28	10.8
09/25/2001 23:58:19		24.01	29.6	2.49	346	7.27	10.8
09/26/2001 00:13:19		23.95	28.1	2.36	346	7.25	10.8
09/26/2001 00:28:19		23.94	26.2	2.2	346	7.24	10.8
09/26/2001 00:43:19		23.92	26.6	2.24	346	7.24	10.8
09/26/2001 00:58:19		23.88	28.5	2.4	346	7.24	10.8
09/26/2001 01:13:19		23.87	28.3	2.39	346	7.24	10.8
09/26/2001 01:28:19		23.8	28.7	2.42	346	7.26	10.8
09/26/2001 01:43:19		23.77	31.8	2.69	346	7.26	10.8
09/26/2001 01:58:19		23.74	32.7	2.76	346	7.27	10.8
09/26/2001 02:13:19		23.72	28.7	2.42	347	7.27	10.8
09/26/2001 02:28:19		23.7	27.1	2.29	346	7.26	10.8
09/26/2001 02:43:19		23.67	30.4	2.57	347	7.26	10.8
09/26/2001 02:58:19		23.55	30.2	2.56	347	7.28	10.8
09/26/2001 03:13:19		23.54	31.3	2.66	347	7.27	10.8
09/26/2001 03:28:19		23.5	29	2.46	347	7.26	10.8

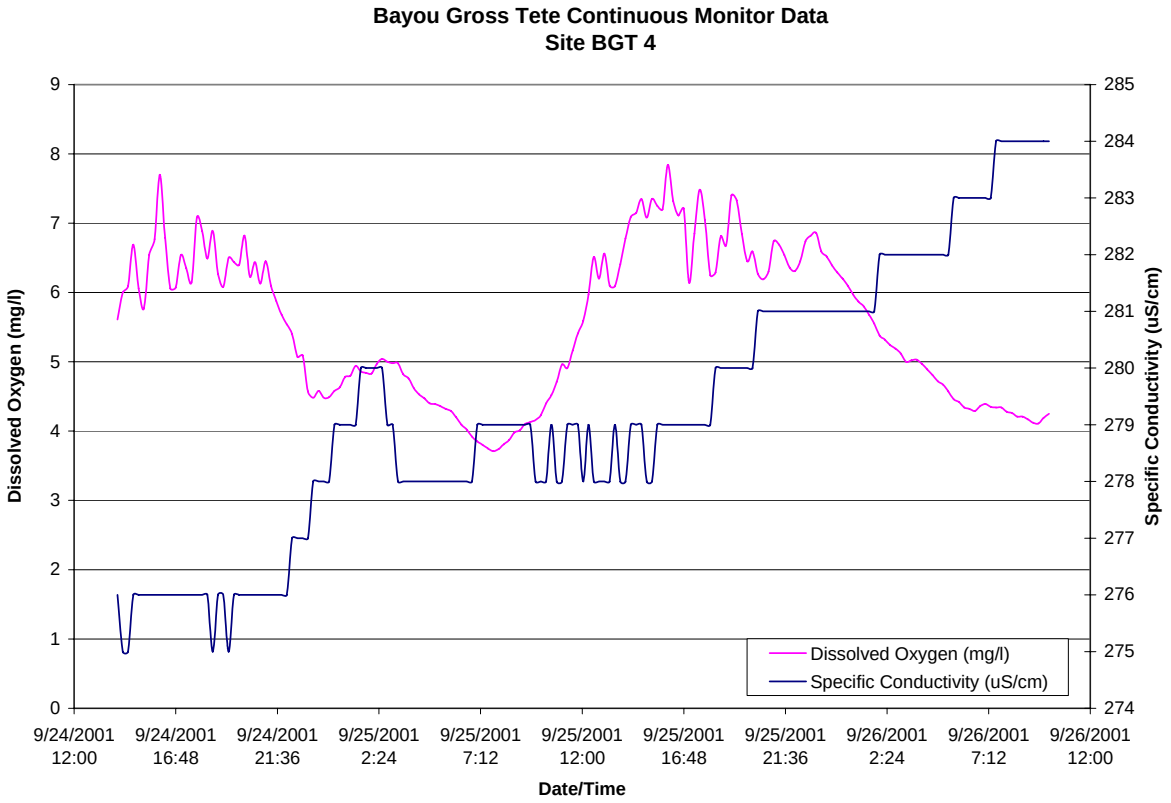
09/26/2001 03:43:19		23.43	29	2.47	347	7.26	10.7
09/26/2001 03:58:19		23.39	29.4	2.5	346	7.26	10.8
09/26/2001 04:13:19		23.32	27.1	2.31	347	7.26	10.8
09/26/2001 04:28:19		23.31	27.9	2.38	347	7.25	10.8
09/26/2001 04:43:19		23.31	25	2.13	347	7.25	10.8
09/26/2001 04:58:19		23.3	28.5	2.43	347	7.25	10.8
09/26/2001 05:13:19		23.25	26.5	2.26	347	7.25	10.8
09/26/2001 05:28:19		23.21	25.7	2.19	347	7.25	10.8
09/26/2001 05:43:19		23.13	26.3	2.25	347	7.25	10.7
09/26/2001 05:58:19		23.07	25.9	2.21	347	7.25	10.8
09/26/2001 06:13:19		22.98	25.7	2.2	347	7.25	10.8
09/26/2001 06:28:19		22.95	25.3	2.17	347	7.25	10.8
09/26/2001 06:43:19		22.95	24.3	2.09	347	7.25	10.8
09/26/2001 06:58:19		22.92	29	2.49	347	7.25	10.8
09/26/2001 07:13:19		22.9	25	2.15	347	7.25	10.8
09/26/2001 07:28:19		22.85	26.1	2.24	347	7.25	10.8
09/26/2001 07:43:19		22.8	24.4	2.1	348	7.26	10.8
09/26/2001 07:58:19		22.76	25.8	2.22	348	7.26	10.8
09/26/2001 08:13:19		22.77	26.2	2.25	348	7.26	10.8
09/26/2001 08:28:19		22.79	28.2	2.43	348	7.25	10.8
09/26/2001 08:43:19		22.8	25.6	2.2	347	7.26	10.8
09/26/2001 08:58:19		22.81	26.9	2.31	348	7.27	10.8
09/26/2001 09:13:19		22.83	30.9	2.65	348	7.28	10.8
09/26/2001 09:28:19		22.87	33.2	2.85	348	7.29	10.8
09/26/2001 09:43:19		22.94	31.6	2.71	348	7.3	10.8
09/26/2001 09:58:19		22.95	27.2	2.33	349	7.28	10.8
09/26/2001 10:13:19		22.99	28.9	2.48	348	7.27	10.8

Bayou Gross Tete Continuous Monitor Data
Site BGT 4



Bayou Gross Tete Continuous Monitor Data
Site BGT 4





DataSonde 4a 37756
Log File Name : Bayou Grosse Tete site 4
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 094834
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 094749
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:02:49 to 09/26/2001 07:02:49

	Temp	DO%	DO	SpCond	pH	IBatt
	øC	Sat	mg/l	æS/cm	Units	Volts
Average	24.72	69.09	5.72	280.13	7.15	11.16
Min	23.23	44.90	3.71	278.00	7.03	11.10
Max	25.88	96.40	7.84	283.00	7.32	11.20

Date		Temp	DO%	DO	SpCond	pH	IBatt
MMDDYY		øC	Sat	mg/l	æS/cm	Units	Volts
09/24/2001 14:02:49		26.79	70.3	5.61	276	7.13	11.3
09/24/2001 14:17:49		26.95	75.4	6	275	7.14	11.3
09/24/2001 14:32:49		26.85	76.3	6.09	275	7.13	11.3
09/24/2001 14:47:49		27.06	84.1	6.69	276	7.18	11.2
09/24/2001 15:02:49		26.96	76.1	6.06	276	7.15	11.3
09/24/2001 15:17:49		26.99	72.5	5.77	276	7.13	11.3
09/24/2001 15:32:49		26.97	82.2	6.54	276	7.18	11.3

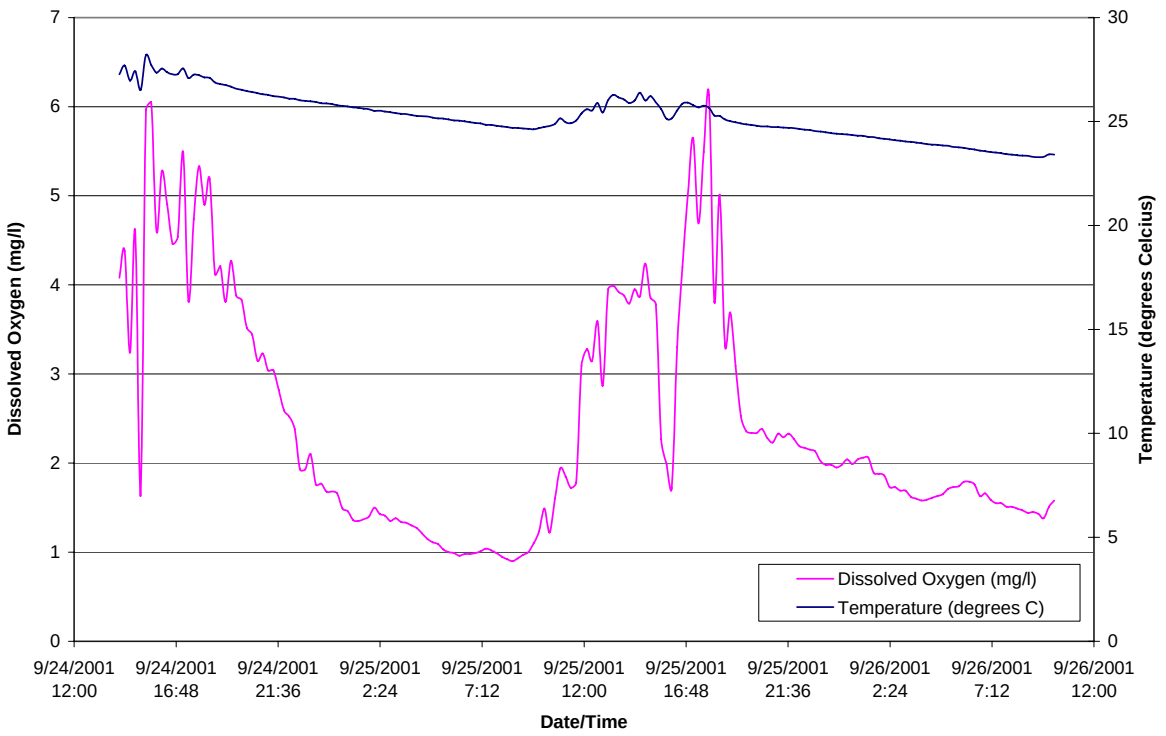
09/24/2001 15:47:49		27.25	85.4	6.77	276	7.2	11.3
09/24/2001 16:02:49		27.22	97.2	7.7	276	7.26	11.3
09/24/2001 16:17:49		27.02	85.3	6.79	276	7.2	11.3
09/24/2001 16:32:49		26.85	75.9	6.06	276	7.15	11.3
09/24/2001 16:47:49		26.83	76	6.07	276	7.14	11.2
09/24/2001 17:02:49		26.95	82.1	6.54	276	7.16	11.3
09/24/2001 17:17:49		26.86	79.5	6.35	276	7.16	11.3
09/24/2001 17:32:49		26.82	77	6.15	276	7.16	11.3
09/24/2001 17:47:49		26.93	88.8	7.08	276	7.2	11.2
09/24/2001 18:02:49		26.94	86.5	6.89	276	7.19	11.2
09/24/2001 18:17:49		26.92	81.4	6.49	276	7.18	11.2
09/24/2001 18:32:49		26.97	86.6	6.89	275	7.2	11.3
09/24/2001 18:47:49		26.81	78.5	6.27	276	7.16	11.3
09/24/2001 19:02:49		26.81	76.1	6.08	276	7.15	11.2
09/24/2001 19:17:49		26.86	81.5	6.5	275	7.16	11.3
09/24/2001 19:32:49		26.83	80.6	6.44	276	7.17	11.3
09/24/2001 19:47:49		26.81	80.1	6.4	276	7.18	11.3
09/24/2001 20:02:49		26.85	85.5	6.82	276	7.2	11.3
09/24/2001 20:17:49		26.72	77.8	6.23	276	7.16	11.2
09/24/2001 20:32:49		26.7	80.5	6.44	276	7.18	11.3
09/24/2001 20:47:49		26.65	76.5	6.13	276	7.15	11.3
09/24/2001 21:02:49		26.66	80.5	6.45	276	7.17	11.3
09/24/2001 21:17:49		26.59	76.1	6.1	276	7.16	11.2
09/24/2001 21:32:49		26.54	73.3	5.88	276	7.15	11.2
09/24/2001 21:47:49		26.51	70.7	5.68	276	7.13	11.2
09/24/2001 22:02:49		26.46	68.9	5.54	276	7.12	11.3
09/24/2001 22:17:49		26.43	67.2	5.4	277	7.11	11.2
09/24/2001 22:32:49		26.39	63	5.07	277	7.1	11.3
09/24/2001 22:47:49		26.35	63.2	5.09	277	7.09	11.3
09/24/2001 23:02:49		26.32	56.8	4.57	277	7.07	11.2
09/24/2001 23:17:49		26.28	55.5	4.48	278	7.06	11.2
09/24/2001 23:32:49		26.24	56.8	4.58	278	7.06	11.3
09/24/2001 23:47:49		26.2	55.5	4.48	278	7.06	11.2
09/25/2001 00:17:49		26.17	55.6	4.49	278	7.06	11.3
09/25/2001 00:25:30		26.14	56.6	4.58	279	7.06	11.3
09/25/2001 00:32:49		26.11	57.2	4.63	279	7.06	11.2
09/25/2001 00:47:49		26.08	59	4.78	279	7.07	11.3
09/25/2001 01:02:49		26.04	59.3	4.8	279	7.07	11.3
09/25/2001 01:17:49		26.01	61	4.94	279	7.07	11.2
09/25/2001 01:32:49		25.97	60	4.86	280	7.07	11.2
09/25/2001 01:47:49		25.95	59.7	4.84	280	7.06	11.2
09/25/2001 02:02:49		25.91	59.5	4.83	280	7.06	11.2
09/25/2001 02:17:49		25.86	61.2	4.97	280	7.07	11.2
09/25/2001 02:32:49		25.8	62	5.04	280	7.07	11.2
09/25/2001 02:47:49		25.78	61.4	5	279	7.07	11.2
09/25/2001 03:02:49		25.74	61.2	4.98	279	7.08	11.2
09/25/2001 03:17:49		25.69	61	4.98	278	7.08	11.3
09/25/2001 03:32:49		25.65	59.1	4.82	278	7.08	11.2

09/25/2001 03:47:49		25.6	58.3	4.76	278	7.07	11.2
09/25/2001 04:02:49		25.57	56.5	4.62	278	7.07	11.1
09/25/2001 04:17:49		25.52	55.4	4.53	278	7.06	11.2
09/25/2001 04:32:49		25.46	54.6	4.47	278	7.05	11.3
09/25/2001 04:47:49		25.43	53.8	4.4	278	7.05	11.3
09/25/2001 05:02:49		25.39	53.6	4.39	278	7.05	11.2
09/25/2001 05:17:49		25.36	53.1	4.36	278	7.05	11.2
09/25/2001 05:32:49		25.3	52.6	4.32	278	7.05	11.2
09/25/2001 05:47:49		25.26	52.2	4.29	278	7.05	11.2
09/25/2001 06:02:49		25.22	51.1	4.2	278	7.05	11.2
09/25/2001 06:17:49		25.18	49.7	4.09	278	7.05	11.1
09/25/2001 06:32:49		25.13	48.8	4.02	278	7.04	11.2
09/25/2001 06:47:49		25.09	47.6	3.92	278	7.04	11.1
09/25/2001 07:02:49		25.05	46.7	3.85	279	7.04	11.2
09/25/2001 07:17:49		25	46	3.8	279	7.03	11.2
09/25/2001 07:32:49		24.97	45.4	3.75	279	7.03	11.1
09/25/2001 07:47:49		24.94	44.9	3.71	279	7.03	11.2
09/25/2001 08:02:49		24.91	45.3	3.74	279	7.03	11.2
09/25/2001 08:17:49		24.88	46.1	3.81	279	7.03	11.2
09/25/2001 08:32:49		24.87	46.7	3.87	279	7.03	11.2
09/25/2001 08:47:49		24.85	48.1	3.98	279	7.04	11.2
09/25/2001 09:02:49		24.83	48.4	4.01	279	7.04	11.2
09/25/2001 09:17:49		24.82	49.5	4.1	279	7.04	11.1
09/25/2001 09:32:49		24.8	49.9	4.13	279	7.05	11.2
09/25/2001 09:47:49		24.78	50.2	4.16	278	7.05	11.2
09/25/2001 10:02:49		24.77	51	4.23	278	7.05	11.2
09/25/2001 10:17:49		24.81	53.2	4.4	278	7.06	11.2
09/25/2001 10:32:49		24.81	54.5	4.52	279	7.06	11.1
09/25/2001 10:47:49		24.83	56.9	4.71	278	7.08	11.2
09/25/2001 11:02:49		24.84	59.9	4.96	278	7.08	11.1
09/25/2001 11:17:49		24.87	59.4	4.91	279	7.09	11.2
09/25/2001 11:32:49		24.9	62.4	5.16	279	7.11	11.2
09/25/2001 11:47:49		24.93	65.5	5.41	279	7.12	11.2
09/25/2001 12:02:49		24.98	67.7	5.59	278	7.14	11.2
09/25/2001 12:17:49		25.08	72.4	5.97	279	7.15	11.1
09/25/2001 12:32:49		25.2	79.2	6.51	278	7.2	11.1
09/25/2001 12:47:49		25.29	75.5	6.2	278	7.18	11.2
09/25/2001 13:02:49		25.33	79.9	6.56	278	7.19	11.2
09/25/2001 13:17:49		25.23	74.2	6.1	278	7.17	11.2
09/25/2001 13:32:49		25.33	74.3	6.09	279	7.17	11.1
09/25/2001 13:47:49		25.41	78.3	6.41	278	7.19	11.2
09/25/2001 14:02:49		25.66	83.1	6.78	278	7.21	11.2
09/25/2001 14:17:49		25.63	86.9	7.09	279	7.23	11.2
09/25/2001 14:32:49		25.81	87.9	7.15	279	7.25	11.2
09/25/2001 14:47:49		25.68	90.1	7.35	279	7.25	11.2
09/25/2001 15:02:49		25.64	86.8	7.08	278	7.23	11.2
09/25/2001 15:17:49		25.75	90.3	7.35	278	7.24	11.2
09/25/2001 15:32:49		25.66	88.9	7.25	279	7.25	11.2

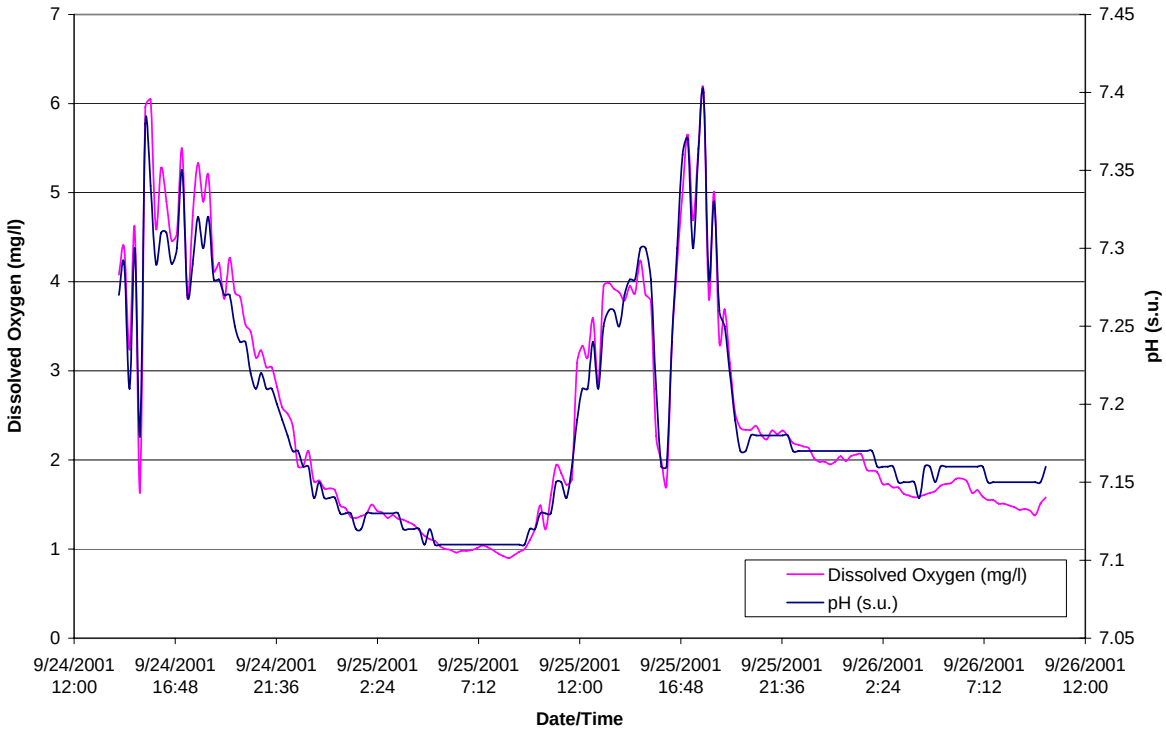
09/25/2001 15:47:49		25.58	88.2	7.2	279	7.24	11.2
09/25/2001 16:02:49		25.82	96.4	7.84	279	7.3	11.2
09/25/2001 16:17:49		25.88	90.2	7.32	279	7.32	11.2
09/25/2001 16:32:49		25.86	87.5	7.11	279	7.3	11.2
09/25/2001 16:47:49		25.75	88.5	7.21	279	7.26	11.2
09/25/2001 17:02:49		25.7	75.3	6.14	279	7.27	11.1
09/25/2001 17:17:49		25.57	83.9	6.85	279	7.25	11.2
09/25/2001 17:32:49		25.52	91.5	7.48	279	7.27	11.2
09/25/2001 17:47:49		25.41	86	7.05	279	7.24	11.2
09/25/2001 18:02:49		25.27	76.1	6.25	279	7.18	11.2
09/25/2001 18:17:49		25.26	76.6	6.29	280	7.17	11.2
09/25/2001 18:32:49		25.25	82.8	6.81	280	7.2	11.2
09/25/2001 18:47:49		25.21	81.3	6.68	280	7.19	11.2
09/25/2001 19:02:49		25.22	90	7.4	280	7.24	11.1
09/25/2001 19:17:49		25.11	89	7.33	280	7.24	11.2
09/25/2001 19:32:49		25.03	82.9	6.84	280	7.21	11.1
09/25/2001 19:47:49		24.96	78	6.45	280	7.19	11.1
09/25/2001 20:02:49		24.89	79.7	6.59	280	7.19	11.1
09/25/2001 20:17:49		24.88	75.8	6.27	281	7.17	11.1
09/25/2001 20:32:49		24.86	74.8	6.19	281	7.16	11.1
09/25/2001 20:47:49		24.84	76.1	6.3	281	7.17	11.2
09/25/2001 21:02:49		24.84	81.4	6.74	281	7.2	11.2
09/25/2001 21:17:49		24.82	80.7	6.69	281	7.2	11.1
09/25/2001 21:32:49		24.78	78.9	6.54	281	7.19	11.2
09/25/2001 21:47:49		24.75	76.7	6.36	281	7.18	11.2
09/25/2001 22:02:49		24.72	76.1	6.31	281	7.18	11.1
09/25/2001 22:17:49		24.68	77.6	6.45	281	7.19	11.2
09/25/2001 22:32:49		24.66	81.2	6.74	281	7.2	11.1
09/25/2001 22:47:49		24.64	82.1	6.82	281	7.22	11.1
09/25/2001 23:02:49		24.63	82.5	6.86	281	7.22	11.2
09/25/2001 23:17:49		24.6	79.2	6.59	281	7.2	11.1
09/25/2001 23:32:49		24.56	78.3	6.52	281	7.19	11.2
09/25/2001 23:47:49		24.5	76.8	6.39	281	7.19	11.2
09/26/2001 00:17:49		24.45	75.5	6.29	281	7.18	11.2
09/26/2001 00:25:30		24.4	74.3	6.2	281	7.18	11.1
09/26/2001 00:32:49		24.38	73	6.1	281	7.17	11.2
09/26/2001 00:47:49		24.32	71.4	5.97	281	7.16	11.1
09/26/2001 01:02:49		24.26	70.2	5.87	281	7.16	11.1
09/26/2001 01:17:49		24.2	69.2	5.8	281	7.15	11.2
09/26/2001 01:32:49		24.15	67.7	5.68	281	7.15	11.1
09/26/2001 01:47:49		24.11	66.1	5.55	281	7.14	11.1
09/26/2001 02:02:49		24.06	64.1	5.38	282	7.13	11.1
09/26/2001 02:17:49		24	63.3	5.32	282	7.12	11.2
09/26/2001 02:32:49		23.97	62.3	5.24	282	7.12	11.2
09/26/2001 02:47:49		23.91	61.7	5.19	282	7.12	11.1
09/26/2001 03:02:49		23.87	60.7	5.12	282	7.11	11.2
09/26/2001 03:17:49		23.83	59.2	5	282	7.11	11.1
09/26/2001 03:32:49		23.77	59.4	5.02	282	7.11	11.1

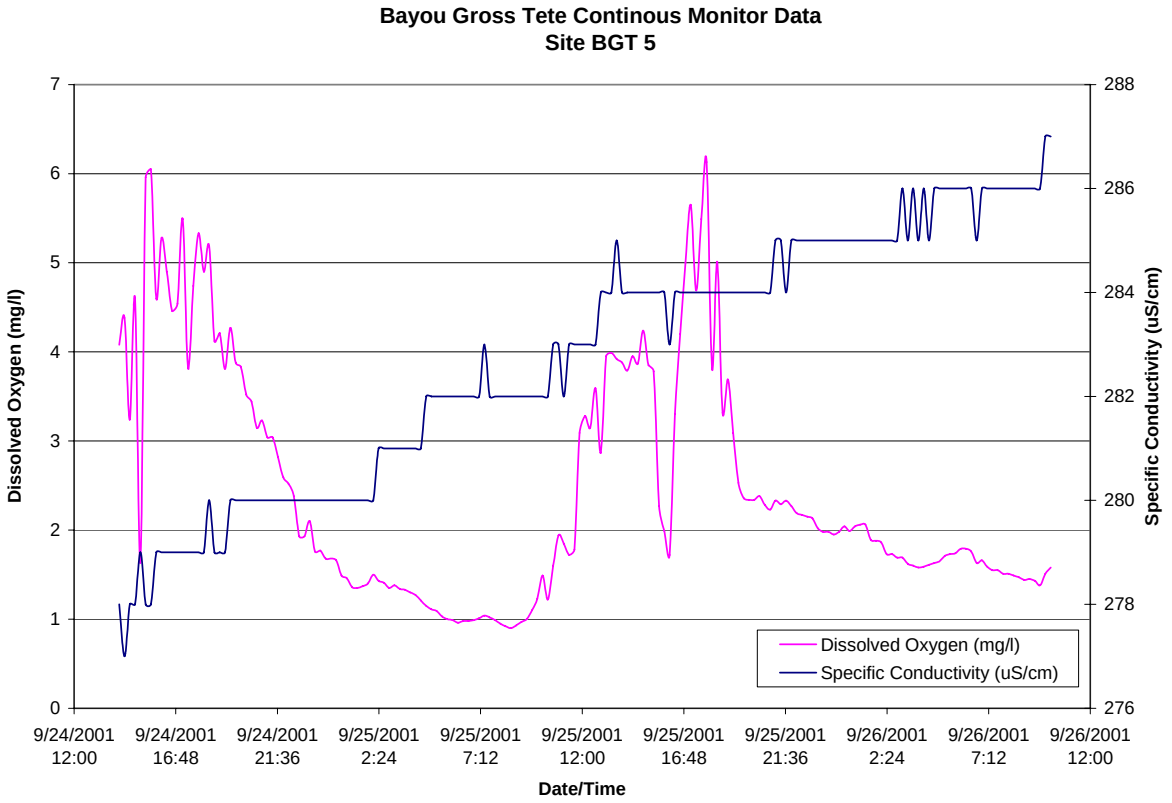
09/26/2001 03:47:49		23.75	59.5	5.03	282	7.11	11.1
09/26/2001 04:02:49		23.7	58.8	4.97	282	7.11	11.1
09/26/2001 04:17:49		23.65	57.8	4.89	282	7.11	11.1
09/26/2001 04:32:49		23.61	56.8	4.81	282	7.1	11.1
09/26/2001 04:47:49		23.57	55.7	4.72	282	7.1	11.2
09/26/2001 05:02:49		23.53	55	4.67	282	7.09	11.2
09/26/2001 05:17:49		23.49	53.8	4.57	282	7.09	11.1
09/26/2001 05:32:49		23.46	52.6	4.46	283	7.08	11.1
09/26/2001 05:47:49		23.41	52	4.42	283	7.08	11.1
09/26/2001 06:02:49		23.38	51	4.34	283	7.07	11.2
09/26/2001 06:17:49		23.33	50.7	4.32	283	7.07	11.2
09/26/2001 06:32:49		23.29	50.3	4.29	283	7.07	11.1
09/26/2001 06:47:49		23.26	51.1	4.36	283	7.07	11.1
09/26/2001 07:02:49		23.23	51.4	4.39	283	7.07	11.1
09/26/2001 07:17:49		23.19	51	4.35	283	7.08	11.2
09/26/2001 07:32:49		23.15	50.8	4.34	284	7.07	11.1
09/26/2001 07:47:49		23.11	50.8	4.34	284	7.07	11.1
09/26/2001 08:02:49		23.08	50	4.28	284	7.07	11.1
09/26/2001 08:17:49		23.05	49.8	4.26	284	7.07	11.2
09/26/2001 08:32:49		23.03	49.2	4.21	284	7.07	11.2
09/26/2001 08:47:49		23.01	49.2	4.21	284	7.06	11.2
09/26/2001 09:02:49		23	48.7	4.17	284	7.06	11.1
09/26/2001 09:17:49		22.98	48.1	4.12	284	7.06	11.2
09/26/2001 09:32:49		22.97	48	4.11	284	7.06	11.2
09/26/2001 09:47:49		22.99	48.8	4.19	284	7.06	11.2
09/26/2001 10:02:49		22.99	49.6	4.25	284	7.06	11.1

Bayou Gross Tete Continous Monitor Data
Site BGT 5



Bayou Gross Tete Continous Monitor Data
Site BGT 5





DataSonde 4a 37755
Log File Name : Bayou Grosse Tete site 5
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 095313
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 095247
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:07:47 to 09/26/2001 07:07:47

	Temp	DO%	DO	SpCond	pH	IBatt
	øC	Sat	mg/l	æS/cm	Units	Volts
Average	24.81	28.98	2.39	284.16	7.19	11.31
Min	23.53	10.90	0.90	282.00	7.11	10.80
Max	26.39	75.10	6.13	286.00	7.40	11.40

Date		Temp	DO%	DO	SpCond	pH	IBatt
MMDDYY		øC	Sat	mg/l	æS/cm	Units	Volts
09/24/2001 14:07:47		27.27	51.5	4.08	278	7.27	11
09/24/2001 14:22:47		27.7	55.7	4.38	277	7.29	11.5
09/24/2001 14:37:47		26.97	40.7	3.24	278	7.21	11.2
09/24/2001 14:52:47		27.43	58.3	4.6	278	7.3	11.4
09/24/2001 15:07:47		26.52	20.5	1.64	279	7.18	11.4
09/24/2001 15:22:47		28.19	76.5	5.96	278	7.38	11.1
09/24/2001 15:37:47		27.72	77	6.05	278	7.34	11.1

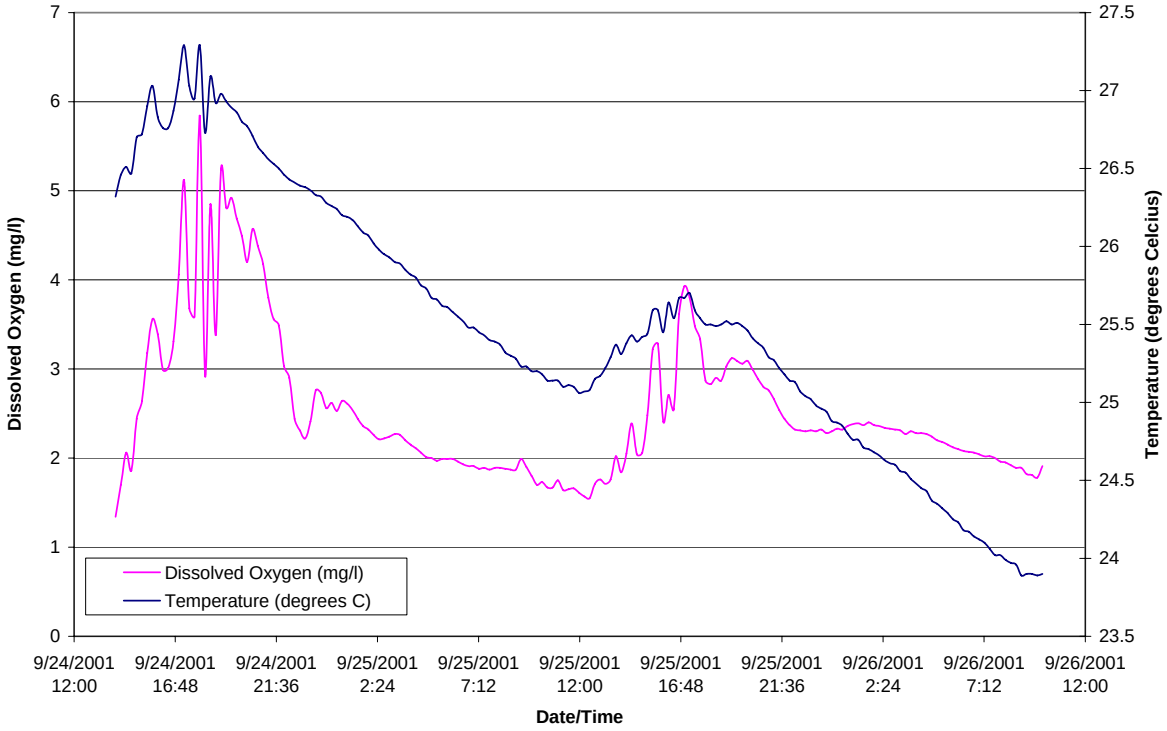
09/24/2001 15:52:47		27.35	58.2	4.6	279	7.29	10.9
09/24/2001 16:07:47		27.55	67	5.28	279	7.31	11.4
09/24/2001 16:22:47		27.37	62	4.9	279	7.31	11.4
09/24/2001 16:37:47		27.27	56.3	4.46	279	7.29	11.3
09/24/2001 16:52:47		27.28	57.4	4.54	279	7.3	11.2
09/24/2001 17:07:47		27.55	69.6	5.49	279	7.35	11.3
09/24/2001 17:22:47		27.09	48.1	3.82	279	7.27	11.3
09/24/2001 17:37:47		27.26	59.8	4.74	279	7.29	10.8
09/24/2001 17:52:47		27.23	67.2	5.33	279	7.32	11.5
09/24/2001 18:07:47		27.12	61.7	4.9	279	7.3	11.1
09/24/2001 18:22:47		27.1	65.3	5.19	280	7.32	11.4
09/24/2001 18:37:47		26.88	51.7	4.12	279	7.28	11
09/24/2001 18:52:47		26.8	52.7	4.21	279	7.28	11.3
09/24/2001 19:07:47		26.76	47.7	3.81	279	7.27	11.3
09/24/2001 19:22:47		26.68	53.3	4.27	280	7.27	10.9
09/24/2001 19:37:47		26.58	48.3	3.88	280	7.25	11.4
09/24/2001 19:52:47		26.53	47.7	3.83	280	7.24	11.1
09/24/2001 20:07:47		26.46	43.9	3.52	280	7.24	11.2
09/24/2001 20:22:47		26.42	42.8	3.44	280	7.22	11.4
09/24/2001 20:37:47		26.36	39.1	3.15	280	7.21	11.4
09/24/2001 20:52:47		26.31	40	3.23	280	7.22	11.4
09/24/2001 21:07:47		26.28	37.8	3.04	280	7.21	11.4
09/24/2001 21:22:47		26.22	37.6	3.04	280	7.21	11.4
09/24/2001 21:37:47		26.2	35	2.82	280	7.2	11.4
09/24/2001 21:52:47		26.16	32.1	2.59	280	7.19	11.4
09/24/2001 22:07:47		26.1	31.1	2.52	280	7.18	11.4
09/24/2001 22:22:47		26.09	29.4	2.38	280	7.17	11.4
09/24/2001 22:37:47		26.02	23.8	1.93	280	7.17	11.4
09/24/2001 22:52:47		25.99	23.8	1.93	280	7.16	11.4
09/24/2001 23:07:47		25.97	25.9	2.1	280	7.16	11.4
09/24/2001 23:22:47		25.94	21.7	1.76	280	7.14	11.4
09/24/2001 23:37:47		25.88	21.8	1.77	280	7.15	11.4
09/24/2001 23:52:47		25.87	20.7	1.68	280	7.14	11.4
09/25/2001 00:22:47		25.84	20.6	1.68	280	7.14	11.4
09/25/2001 00:37:47		25.78	20.4	1.66	280	7.14	11.4
09/25/2001 00:52:47		25.75	18.3	1.49	280	7.13	11.4
09/25/2001 01:07:47		25.72	18	1.46	280	7.13	11.3
09/25/2001 01:15:10		25.68	16.7	1.36	280	7.13	11.4
09/25/2001 01:22:47		25.66	16.5	1.35	280	7.12	11.4
09/25/2001 01:37:47		25.62	16.8	1.37	280	7.12	11.4
09/25/2001 01:52:47		25.59	17.2	1.4	280	7.13	11.4
09/25/2001 02:07:47		25.51	18.3	1.5	280	7.13	11.4
09/25/2001 02:22:47		25.52	17.5	1.43	281	7.13	11.4
09/25/2001 02:37:47		25.48	17.2	1.41	281	7.13	11.4
09/25/2001 02:52:47		25.45	16.5	1.35	281	7.13	11.4
09/25/2001 03:07:47		25.4	16.8	1.38	281	7.13	11.4
09/25/2001 03:22:47		25.37	16.3	1.34	281	7.13	11.4
09/25/2001 03:37:47		25.36	16.3	1.33	281	7.12	11.4

09/25/2001 03:52:47		25.31	15.8	1.3	281	7.12	11.4
09/25/2001 04:07:47		25.27	15.5	1.27	281	7.12	11.4
09/25/2001 04:22:47		25.26	14.7	1.21	281	7.12	11.4
09/25/2001 04:37:47		25.24	14	1.15	282	7.11	11.4
09/25/2001 04:52:47		25.19	13.5	1.11	282	7.12	11.4
09/25/2001 05:07:47		25.15	13.2	1.09	282	7.11	11.4
09/25/2001 05:22:47		25.14	12.5	1.03	282	7.11	11.4
09/25/2001 05:37:47		25.1	12.2	1	282	7.11	11.4
09/25/2001 05:52:47		25.05	12	0.99	282	7.11	11.4
09/25/2001 06:07:47		25.04	11.7	0.96	282	7.11	11.4
09/25/2001 06:22:47		25.01	11.8	0.98	282	7.11	11.4
09/25/2001 06:37:47		24.96	11.8	0.98	282	7.11	11.1
09/25/2001 06:52:47		24.93	12	0.99	282	7.11	11.1
09/25/2001 07:07:47		24.91	12.2	1.01	282	7.11	11.4
09/25/2001 07:22:47		24.84	12.5	1.04	283	7.11	11.4
09/25/2001 07:37:47		24.84	12.3	1.02	282	7.11	10.9
09/25/2001 07:52:47		24.8	12	0.99	282	7.11	11.3
09/25/2001 08:07:47		24.76	11.5	0.95	282	7.11	11.3
09/25/2001 08:22:47		24.73	11.1	0.92	282	7.11	11.4
09/25/2001 08:37:47		24.7	10.9	0.9	282	7.11	11.3
09/25/2001 08:52:47		24.69	11.2	0.93	282	7.11	11.3
09/25/2001 09:07:47		24.66	11.7	0.97	282	7.11	11.1
09/25/2001 09:22:47		24.65	12	1	282	7.11	11.4
09/25/2001 09:37:47		24.63	13.2	1.1	282	7.12	11.4
09/25/2001 09:52:47		24.68	14.9	1.23	282	7.12	11.4
09/25/2001 10:07:47		24.74	17.9	1.49	282	7.13	11.4
09/25/2001 10:22:47		24.79	14.8	1.22	282	7.13	11.4
09/25/2001 10:37:47		24.89	19.4	1.6	283	7.13	11.1
09/25/2001 10:52:47		25.15	23.6	1.94	283	7.15	11.4
09/25/2001 11:07:47		24.96	22.4	1.85	282	7.15	11.1
09/25/2001 11:22:47		24.92	20.8	1.72	283	7.14	11.4
09/25/2001 11:37:47		25.05	21.6	1.78	283	7.16	11.4
09/25/2001 11:52:47		25.39	37.7	3.09	283	7.19	11.4
09/25/2001 12:07:47		25.59	40.2	3.28	283	7.21	11.4
09/25/2001 12:22:47		25.53	38.5	3.15	283	7.21	11.4
09/25/2001 12:37:47		25.89	44.2	3.59	283	7.24	11.2
09/25/2001 12:52:47		25.43	35	2.87	284	7.21	11.3
09/25/2001 13:07:47		26.03	48.7	3.95	284	7.25	11.3
09/25/2001 13:22:47		26.28	49.4	3.99	284	7.26	10.9
09/25/2001 13:37:47		26.16	48.5	3.92	285	7.26	11.4
09/25/2001 13:52:47		26.06	48	3.88	284	7.25	11.2
09/25/2001 14:07:47		25.89	46.6	3.79	284	7.27	11.4
09/25/2001 14:22:47		26.01	48.8	3.95	284	7.28	11.3
09/25/2001 14:37:47		26.39	48	3.87	284	7.28	11.4
09/25/2001 14:52:47		26.01	52.3	4.24	284	7.3	11.3
09/25/2001 15:07:47		26.22	47.7	3.85	284	7.3	11.4
09/25/2001 15:22:47		25.92	46.5	3.78	284	7.28	11.4
09/25/2001 15:37:47		25.6	27.8	2.27	284	7.21	11.3

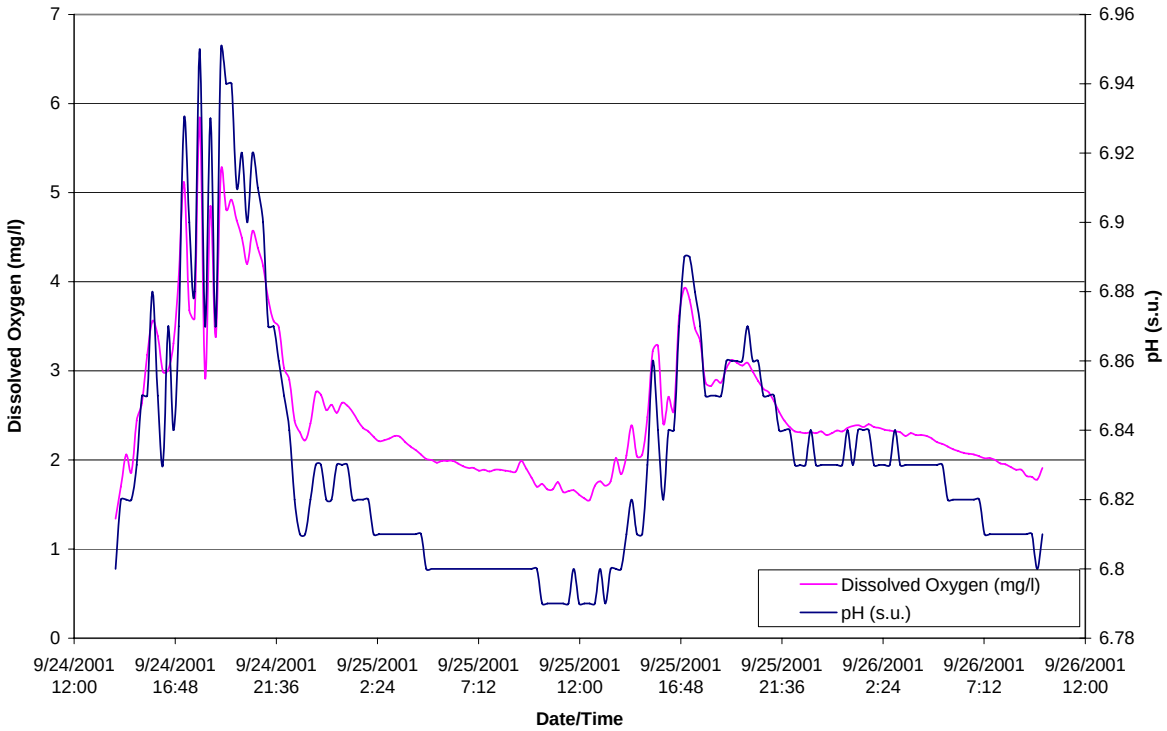
09/25/2001 15:52:47		25.13	24.2	1.99	284	7.16	11.4
09/25/2001 16:07:47		25.15	20.9	1.72	283	7.16	11.3
09/25/2001 16:22:47		25.53	40.4	3.3	284	7.24	11.2
09/25/2001 16:37:47		25.86	51.6	4.2	284	7.3	11.3
09/25/2001 16:52:47		25.91	61.5	5	284	7.36	11.2
09/25/2001 17:07:47		25.79	69.5	5.65	284	7.37	11.3
09/25/2001 17:22:47		25.68	57.5	4.69	284	7.3	11
09/25/2001 17:37:47		25.76	67.4	5.49	284	7.36	11.1
09/25/2001 17:52:47		25.66	75.1	6.13	284	7.4	11.4
09/25/2001 18:07:47		25.29	46.4	3.81	284	7.28	11.4
09/25/2001 18:22:47		25.27	60.9	5.01	284	7.33	11.4
09/25/2001 18:37:47		25.1	40.3	3.32	284	7.26	11.3
09/25/2001 18:52:47		25.02	44.8	3.69	284	7.25	11.4
09/25/2001 19:07:47		24.96	37.5	3.09	284	7.22	11.3
09/25/2001 19:22:47		24.91	30.6	2.53	284	7.19	11.4
09/25/2001 19:37:47		24.86	28.5	2.36	284	7.17	11.3
09/25/2001 19:52:47		24.83	28.2	2.34	284	7.17	11.3
09/25/2001 20:07:47		24.8	28.2	2.34	284	7.18	11.4
09/25/2001 20:22:47		24.76	28.7	2.38	284	7.18	11.4
09/25/2001 20:37:47		24.76	27.5	2.28	284	7.18	11.3
09/25/2001 20:52:47		24.73	26.9	2.23	284	7.18	11.4
09/25/2001 21:07:47		24.73	28.1	2.33	285	7.18	11.4
09/25/2001 21:22:47		24.71	27.6	2.29	285	7.18	11.4
09/25/2001 21:37:47		24.7	28	2.33	284	7.18	11.3
09/25/2001 21:52:47		24.68	27.3	2.27	285	7.18	11.3
09/25/2001 22:07:47		24.64	26.3	2.19	285	7.17	11.4
09/25/2001 22:22:47		24.61	26.1	2.17	285	7.17	11.4
09/25/2001 22:37:47		24.59	25.9	2.15	285	7.17	11.4
09/25/2001 22:52:47		24.54	25.5	2.13	285	7.17	11.3
09/25/2001 23:07:47		24.52	24.3	2.02	285	7.17	11.3
09/25/2001 23:22:47		24.48	23.7	1.98	285	7.17	11.4
09/25/2001 23:37:47		24.44	23.8	1.98	285	7.17	11.4
09/25/2001 23:52:47		24.42	23.4	1.95	285	7.17	11.3
09/26/2001 00:22:47		24.39	23.8	1.98	285	7.17	11.3
09/26/2001 00:37:47		24.38	24.4	2.04	285	7.17	11.3
09/26/2001 00:52:47		24.35	23.8	1.99	285	7.17	11.4
09/26/2001 01:07:47		24.32	24.4	2.04	285	7.17	11.4
09/26/2001 01:15:10		24.31	24.6	2.06	285	7.17	11.3
09/26/2001 01:22:47		24.26	24.7	2.06	285	7.17	11.4
09/26/2001 01:37:47		24.25	22.6	1.89	285	7.17	11.4
09/26/2001 01:52:47		24.19	22.5	1.88	285	7.17	11.3
09/26/2001 02:07:47		24.17	22.2	1.86	285	7.16	11.4
09/26/2001 02:22:47		24.14	20.7	1.73	285	7.16	11.3
09/26/2001 02:37:47		24.1	20.6	1.73	285	7.16	11.4
09/26/2001 02:52:47		24.08	20.2	1.69	285	7.16	11.4
09/26/2001 03:07:47		24.04	20.1	1.69	286	7.15	11.3
09/26/2001 03:22:47		24.02	19.3	1.62	285	7.15	11.3
09/26/2001 03:37:47		23.99	19	1.6	286	7.15	11.3

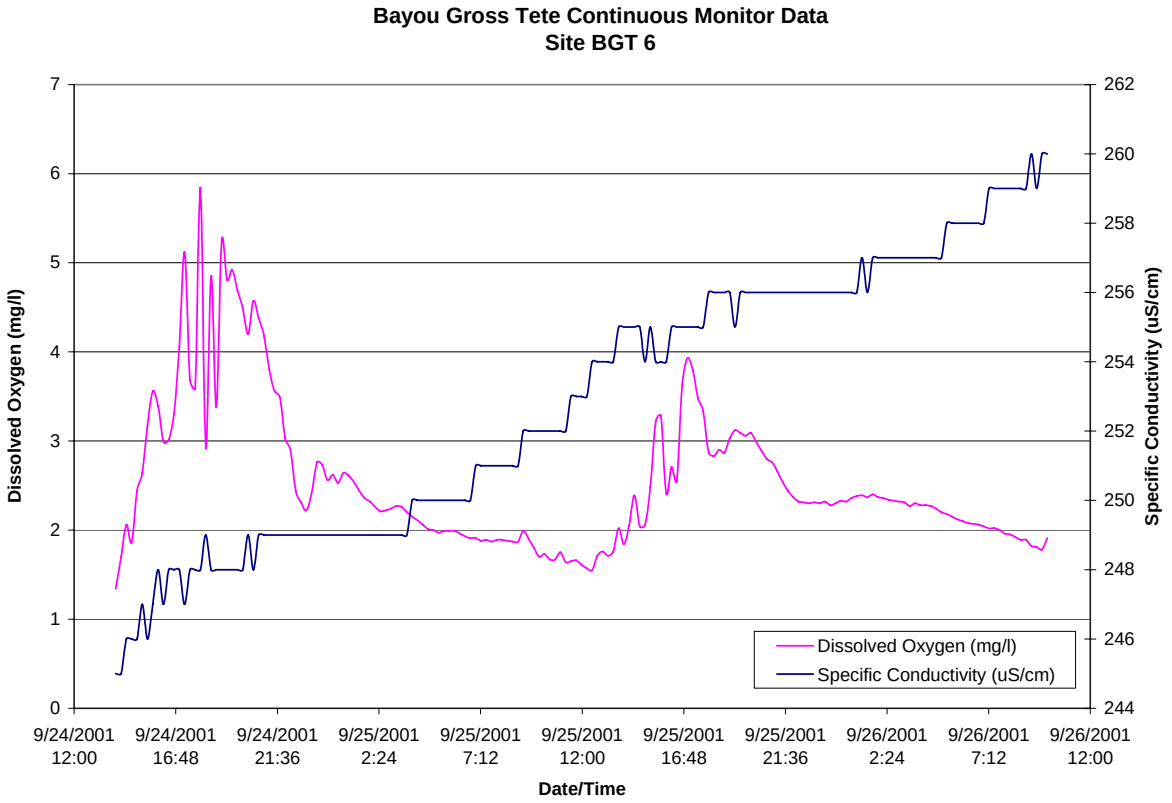
09/26/2001 03:52:47		23.96	18.8	1.58	285	7.15	11.3
09/26/2001 04:07:47		23.91	18.9	1.59	286	7.14	11.4
09/26/2001 04:22:47		23.89	19.1	1.61	285	7.16	11.3
09/26/2001 04:37:47		23.88	19.4	1.63	286	7.16	11.3
09/26/2001 04:52:47		23.85	19.6	1.65	286	7.15	11.4
09/26/2001 05:07:47		23.83	20.3	1.71	286	7.16	11.3
09/26/2001 05:22:47		23.78	20.5	1.73	286	7.16	11.3
09/26/2001 05:37:47		23.76	20.6	1.74	286	7.16	11.4
09/26/2001 05:52:47		23.73	21.2	1.79	286	7.16	11.4
09/26/2001 06:07:47		23.69	21.1	1.79	286	7.16	11.3
09/26/2001 06:22:47		23.65	20.8	1.76	286	7.16	11.2
09/26/2001 06:37:47		23.6	19.3	1.63	285	7.16	10.8
09/26/2001 06:52:47		23.57	19.6	1.66	286	7.16	11.2
09/26/2001 07:07:47		23.53	18.8	1.59	286	7.16	11.1
09/26/2001 07:22:47		23.51	18.3	1.55	286	7.15	11.2
09/26/2001 07:37:47		23.48	18.2	1.55	286	7.15	11.3
09/26/2001 07:52:47		23.43	17.8	1.51	286	7.15	11.2
09/26/2001 08:07:47		23.41	17.8	1.51	286	7.15	11.3
09/26/2001 08:22:47		23.38	17.5	1.49	286	7.15	11.3
09/26/2001 08:37:47		23.36	17.3	1.47	286	7.15	11.2
09/26/2001 08:52:47		23.35	16.9	1.44	286	7.15	11.3
09/26/2001 09:07:47		23.3	17	1.45	286	7.15	11.4
09/26/2001 09:22:47		23.29	16.7	1.43	286	7.15	11.2
09/26/2001 09:37:47		23.3	16.2	1.38	286	7.15	11.4
09/26/2001 09:52:47		23.42	17.7	1.51	287	7.15	11.2
09/26/2001 10:07:47		23.41	18.6	1.58	287	7.16	11.3

Bayou Gross Tete Continuous Monitor Data
Site BGT 6



Bayou Gross Tete Continuous Monitor Data
Site BGT 6





DataSonde 4a 37757
Log File Name : Bayou Grosse Tete site 6
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 095835
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 095808
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:13:08 to 09/26/2001 07:13:08

	Temp	DO%	DO	pH	SpCond	IBatt
	øC	Sat	mg/l	Units	æS/cm	Volts
Average	25.07	28.16	2.32	6.83	255.11	10.60
Min	24.10	18.80	1.55	6.79	251.00	10.50
Max	25.70	48.20	3.93	6.89	259.00	10.80

Date		Temp	DO%	DO	pH	SpCond	IBatt
MMDDYY		øC	Sat	mg/l	Units	æS/cm	Volts
09/24/2001 13:58:08		26.32	16.6	1.34	6.8	245	10.8
09/24/2001 14:13:08		26.46	21.2	1.7	6.82	245	10.8
09/24/2001 14:28:08		26.51	25.6	2.06	6.82	246	10.8
09/24/2001 14:43:08		26.47	23.2	1.86	6.82	246	10.8
09/24/2001 14:58:08		26.7	30.5	2.44	6.83	246	10.7
09/24/2001 15:13:08		26.72	32.9	2.64	6.85	247	10.8
09/24/2001 15:28:08		26.9	39.9	3.18	6.85	246	10.8

09/24/2001 15:43:08		27.03	44.7	3.56	6.88	247	10.8
09/24/2001 15:58:08		26.83	42.4	3.39	6.85	248	10.8
09/24/2001 16:13:08		26.76	37.4	2.99	6.83	247	10.8
09/24/2001 16:28:08		26.76	37.7	3.01	6.87	248	10.8
09/24/2001 16:43:08		26.87	41.4	3.31	6.84	248	10.8
09/24/2001 16:58:08		27.07	51	4.06	6.87	248	10.8
09/24/2001 17:13:08		27.29	64.7	5.12	6.93	247	10.8
09/24/2001 17:28:08		27.03	46.2	3.68	6.9	248	10.8
09/24/2001 17:43:08		26.95	45.1	3.59	6.88	248	10.8
09/24/2001 17:58:08		27.29	73.7	5.84	6.95	248	10.7
09/24/2001 18:13:08		26.73	36.5	2.92	6.87	249	10.8
09/24/2001 18:28:08		27.09	61	4.85	6.93	248	10.8
09/24/2001 18:43:08		26.92	42.4	3.38	6.87	248	10.8
09/24/2001 18:58:08		26.98	65.8	5.24	6.95	248	10.7
09/24/2001 19:13:08		26.93	60.3	4.81	6.94	248	10.8
09/24/2001 19:28:08		26.89	61.7	4.92	6.94	248	10.7
09/24/2001 19:43:08		26.86	58.8	4.69	6.91	248	10.8
09/24/2001 19:58:08		26.8	56.2	4.49	6.92	248	10.7
09/24/2001 20:13:08		26.77	52.5	4.2	6.9	249	10.7
09/24/2001 20:28:08		26.71	57.1	4.57	6.92	248	10.7
09/24/2001 20:43:08		26.64	54.7	4.38	6.91	249	10.8
09/24/2001 20:58:08		26.6	52.1	4.18	6.9	249	10.8
09/24/2001 21:13:08		26.56	47.4	3.8	6.87	249	10.8
09/24/2001 21:28:08		26.53	44.3	3.56	6.87	249	10.8
09/24/2001 21:43:08		26.5	43.4	3.49	6.86	249	10.7
09/24/2001 21:58:08		26.46	37.7	3.03	6.85	249	10.8
09/24/2001 22:13:08		26.43	36	2.9	6.84	249	10.8
09/24/2001 22:28:08		26.41	30.3	2.44	6.82	249	10.8
09/24/2001 22:43:08		26.39	28.7	2.31	6.81	249	10.7
09/24/2001 22:58:08		26.38	27.6	2.22	6.81	249	10.7
09/24/2001 23:13:08		26.36	30	2.41	6.82	249	10.8
09/24/2001 23:28:08		26.33	34.3	2.76	6.83	249	10.8
09/24/2001 23:43:08		26.32	33.9	2.73	6.83	249	10.7
09/24/2001 23:58:08		26.28	31.8	2.56	6.82	249	10.7
09/25/2001 00:13:08		26.26	32.4	2.62	6.82	249	10.7
09/25/2001 00:28:08		26.24	31.4	2.53	6.83	249	10.7
09/25/2001 00:43:08		26.2	32.7	2.64	6.83	249	10.7
09/25/2001 00:58:08		26.19	32.3	2.61	6.83	249	10.7
09/25/2001 01:13:08		26.17	31.5	2.54	6.82	249	10.7
09/25/2001 01:28:08		26.13	30.2	2.44	6.82	249	10.7
09/25/2001 01:43:08		26.09	29.1	2.36	6.82	249	10.8
09/25/2001 01:58:08		26.07	28.7	2.32	6.82	249	10.8
09/25/2001 02:13:08		26.02	27.9	2.26	6.81	249	10.7
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09/25/2001 02:43:08		25.95	27.3	2.22	6.81	249	10.8
09/25/2001 02:58:08		25.93	27.6	2.24	6.81	249	10.7
09/25/2001 03:13:08		25.9	27.9	2.27	6.81	249	10.8
09/25/2001 03:28:08		25.89	27.9	2.26	6.81	249	10.7

09/25/2001 03:43:08		25.85	27.1	2.2	6.81	249	10.8
09/25/2001 03:58:08		25.82	26.5	2.15	6.81	250	10.6
09/25/2001 04:13:08		25.8	26	2.11	6.81	250	10.7
09/25/2001 04:28:08		25.75	25.4	2.06	6.81	250	10.7
09/25/2001 04:43:08		25.73	24.7	2.01	6.8	250	10.7
09/25/2001 04:58:08		25.67	24.5	2	6.8	250	10.7
09/25/2001 05:13:08		25.66	24.1	1.97	6.8	250	10.7
09/25/2001 05:28:08		25.62	24.3	1.99	6.8	250	10.6
09/25/2001 05:43:08		25.61	24.4	1.99	6.8	250	10.7
09/25/2001 05:58:08		25.58	24.4	1.99	6.8	250	10.7
09/25/2001 06:13:08		25.55	23.9	1.96	6.8	250	10.6
09/25/2001 06:28:08		25.52	23.6	1.93	6.8	250	10.6
09/25/2001 06:43:08		25.48	23.3	1.91	6.8	250	10.6
09/25/2001 06:58:08		25.48	23.3	1.91	6.8	251	10.6
09/25/2001 07:13:08		25.45	22.9	1.88	6.8	251	10.7
09/25/2001 07:28:08		25.43	23.1	1.89	6.8	251	10.7
09/25/2001 07:43:08		25.4	22.8	1.87	6.8	251	10.8
09/25/2001 07:58:08		25.39	23.1	1.89	6.8	251	10.7
09/25/2001 08:13:08		25.37	23	1.89	6.8	251	10.6
09/25/2001 08:28:08		25.32	22.9	1.88	6.8	251	10.6
09/25/2001 08:43:08		25.3	22.7	1.87	6.8	251	10.7
09/25/2001 08:58:08		25.28	22.7	1.87	6.8	251	10.7
09/25/2001 09:13:08		25.23	24.2	1.99	6.8	252	10.7
09/25/2001 09:28:08		25.23	23.1	1.9	6.8	252	10.6
09/25/2001 09:43:08		25.2	21.9	1.8	6.8	252	10.6
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09/25/2001 10:13:08		25.18	21	1.73	6.79	252	10.6
09/25/2001 10:28:08		25.14	20.3	1.67	6.79	252	10.7
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09/25/2001 10:58:08		25.14	21.3	1.75	6.79	252	10.6
09/25/2001 11:13:08		25.1	19.9	1.64	6.79	252	10.6
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09/25/2001 12:43:08		25.15	20.8	1.71	6.79	254	10.7
09/25/2001 12:58:08		25.17	21.4	1.76	6.8	254	10.7
09/25/2001 13:13:08		25.22	20.7	1.71	6.79	254	10.7
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09/25/2001 13:43:08		25.37	24.6	2.02	6.8	255	10.6
09/25/2001 13:58:08		25.31	22.4	1.84	6.8	255	10.7
09/25/2001 14:13:08		25.38	25	2.05	6.81	255	10.6
09/25/2001 14:28:08		25.43	29.2	2.39	6.82	255	10.6
09/25/2001 14:43:08		25.39	24.9	2.04	6.81	255	10.6
09/25/2001 14:58:08		25.42	25.2	2.06	6.81	254	10.6
09/25/2001 15:13:08		25.44	30.3	2.48	6.83	255	10.7
09/25/2001 15:28:08		25.59	39.5	3.22	6.86	254	10.6

09/25/2001 15:43:08		25.59	40.2	3.28	6.84	254	10.7
09/25/2001 15:58:08		25.45	29.4	2.41	6.82	254	10.5
09/25/2001 16:13:08		25.64	33.2	2.71	6.84	255	10.6
09/25/2001 16:28:08		25.54	31.2	2.55	6.84	255	10.6
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09/25/2001 17:13:08		25.7	46.6	3.8	6.89	255	10.5
09/25/2001 17:28:08		25.59	42.6	3.48	6.88	255	10.7
09/25/2001 17:43:08		25.54	40.7	3.33	6.87	255	10.5
09/25/2001 17:58:08		25.5	35.1	2.87	6.85	256	10.6
09/25/2001 18:13:08		25.5	34.6	2.83	6.85	256	10.6
09/25/2001 18:28:08		25.49	35.5	2.9	6.85	256	10.6
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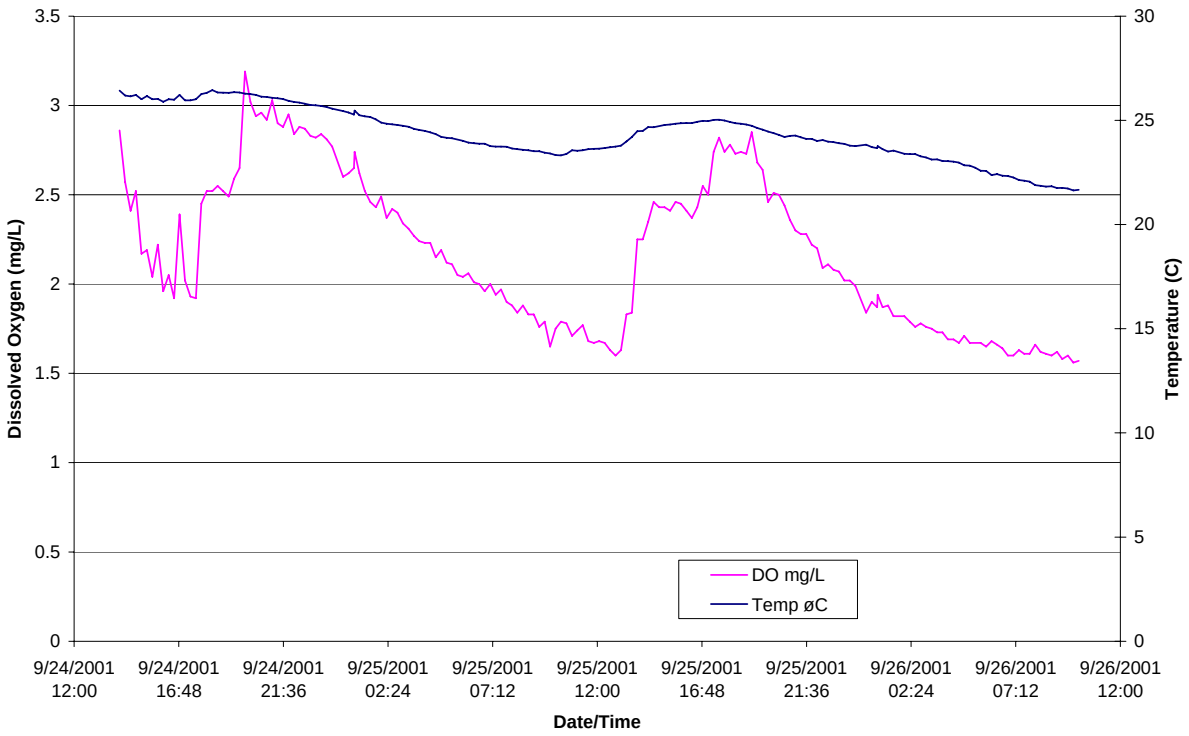
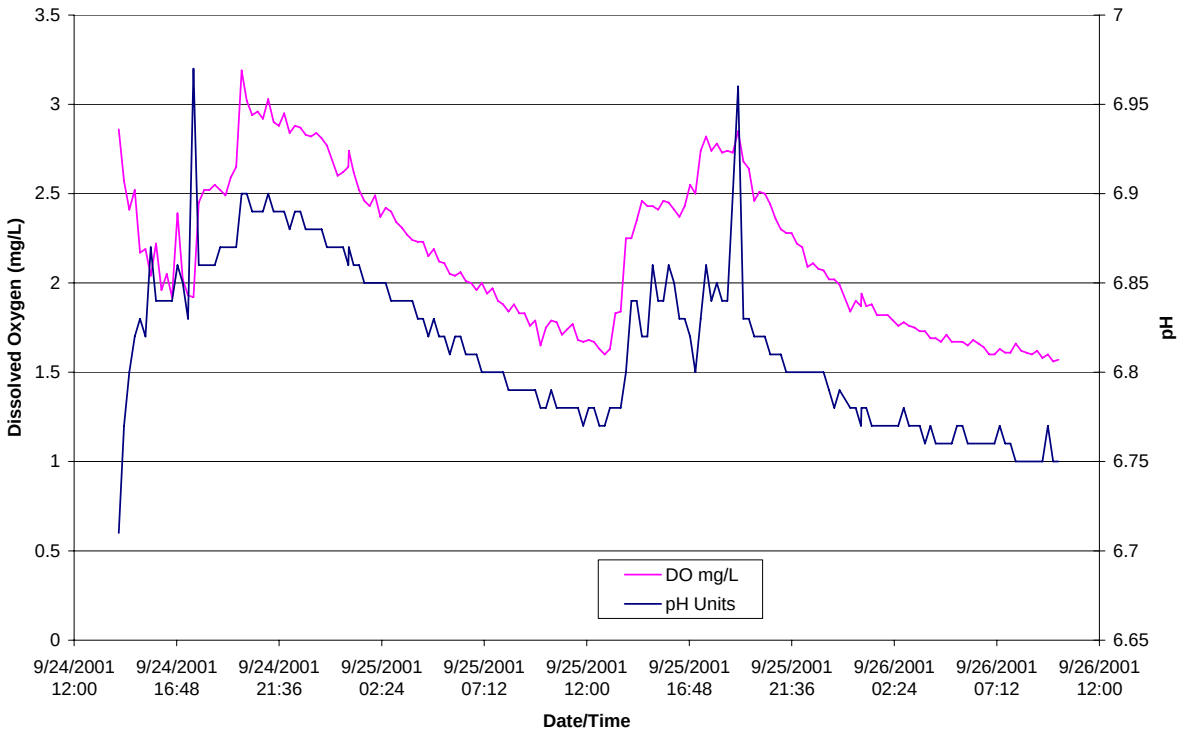
09/25/2001 18:58:08		25.52	37.1	3.03	6.86	256	10.6
09/25/2001 19:13:08		25.5	38.1	3.12	6.86	255	10.6
09/25/2001 19:28:08		25.51	37.8	3.09	6.86	256	10.6
09/25/2001 19:43:08		25.49	37.3	3.06	6.86	256	10.6
09/25/2001 19:58:08		25.46	37.7	3.09	6.87	256	10.6
09/25/2001 20:13:08		25.41	36.4	2.99	6.86	256	10.5
09/25/2001 20:28:08		25.38	35.2	2.89	6.86	256	10.6
09/25/2001 20:43:08		25.35	34.2	2.8	6.85	256	10.6
09/25/2001 20:58:08		25.29	33.6	2.76	6.85	256	10.6
09/25/2001 21:13:08		25.27	32.4	2.66	6.85	256	10.6
09/25/2001 21:28:08		25.22	30.9	2.54	6.84	256	10.6
09/25/2001 21:43:08		25.18	29.7	2.44	6.84	256	10.6
09/25/2001 21:58:08		25.14	28.8	2.37	6.84	256	10.5
09/25/2001 22:13:08		25.13	28.1	2.32	6.83	256	10.6
09/25/2001 22:28:08		25.07	28.1	2.31	6.83	256	10.5
09/25/2001 22:43:08		25.04	27.9	2.3	6.83	256	10.6
09/25/2001 22:58:08		25.02	28	2.31	6.84	256	10.6
09/25/2001 23:13:08		24.98	27.8	2.3	6.83	256	10.5
09/25/2001 23:28:08		24.96	28.1	2.32	6.83	256	10.6
09/25/2001 23:43:08		24.94	27.6	2.28	6.83	256	10.6
09/25/2001 23:58:08		24.88	27.8	2.3	6.83	256	10.6
09/26/2001 00:13:08		24.87	28.1	2.33	6.83	256	10.5
09/26/2001 00:28:08		24.85	28.1	2.32	6.83	256	10.6
09/26/2001 00:43:08		24.8	28.5	2.36	6.84	256	10.5
09/26/2001 00:58:08		24.76	28.7	2.38	6.83	256	10.6
09/26/2001 01:13:08		24.76	28.8	2.39	6.84	257	10.5
09/26/2001 01:28:08		24.71	28.6	2.37	6.84	256	10.5
09/26/2001 01:43:08		24.7	29	2.4	6.84	257	10.6
09/26/2001 01:58:08		24.68	28.6	2.37	6.83	257	10.5
09/26/2001 02:13:08		24.66	28.4	2.36	6.83	257	10.6
09/26/2001 02:28:08		24.63	28.2	2.34	6.83	257	10.5
09/26/2001 02:43:08		24.61	28	2.33	6.83	257	10.6
09/26/2001 02:58:08		24.6	27.9	2.32	6.84	257	10.6
09/26/2001 03:13:08		24.56	27.8	2.31	6.83	257	10.5
09/26/2001 03:28:08		24.55	27.3	2.27	6.83	257	10.5

09/26/2001 03:43:08		24.51	27.7	2.3	6.83	257	10.5
09/26/2001 03:58:08		24.48	27.3	2.28	6.83	257	10.5
09/26/2001 04:13:08		24.45	27.4	2.28	6.83	257	10.5
09/26/2001 04:28:08		24.43	27.2	2.27	6.83	257	10.6
09/26/2001 04:43:08		24.37	26.8	2.24	6.83	257	10.6
09/26/2001 04:58:08		24.35	26.4	2.2	6.83	257	10.6
09/26/2001 05:13:08		24.32	26.1	2.18	6.83	258	10.5
09/26/2001 05:28:08		24.29	25.7	2.15	6.82	258	10.5
09/26/2001 05:43:08		24.25	25.3	2.12	6.82	258	10.6
09/26/2001 05:58:08		24.23	25.1	2.1	6.82	258	10.6
09/26/2001 06:13:08		24.18	24.9	2.08	6.82	258	10.6
09/26/2001 06:28:08		24.17	24.7	2.07	6.82	258	10.6
09/26/2001 06:43:08		24.14	24.6	2.06	6.82	258	10.6
09/26/2001 06:58:08		24.12	24.3	2.04	6.82	258	10.5
09/26/2001 07:13:08		24.1	24	2.02	6.81	259	10.5
09/26/2001 07:28:08		24.06	24.1	2.02	6.81	259	10.5
09/26/2001 07:43:08		24.02	23.8	2	6.81	259	10.5
09/26/2001 07:58:08		24.02	23.3	1.96	6.81	259	10.6
09/26/2001 08:13:08		23.99	23.2	1.95	6.81	259	10.5
09/26/2001 08:28:08		23.97	22.8	1.92	6.81	259	10.5
09/26/2001 08:43:08		23.96	22.5	1.89	6.81	259	10.6
09/26/2001 08:58:08		23.89	22.5	1.89	6.81	259	10.5
09/26/2001 09:13:08		23.9	21.6	1.82	6.81	260	10.5
09/26/2001 09:28:08		23.9	21.4	1.81	6.81	259	10.5
09/26/2001 09:43:08		23.89	21.2	1.78	6.8	260	10.6
09/26/2001 09:58:08		23.9	22.6	1.91	6.81	260	10.5

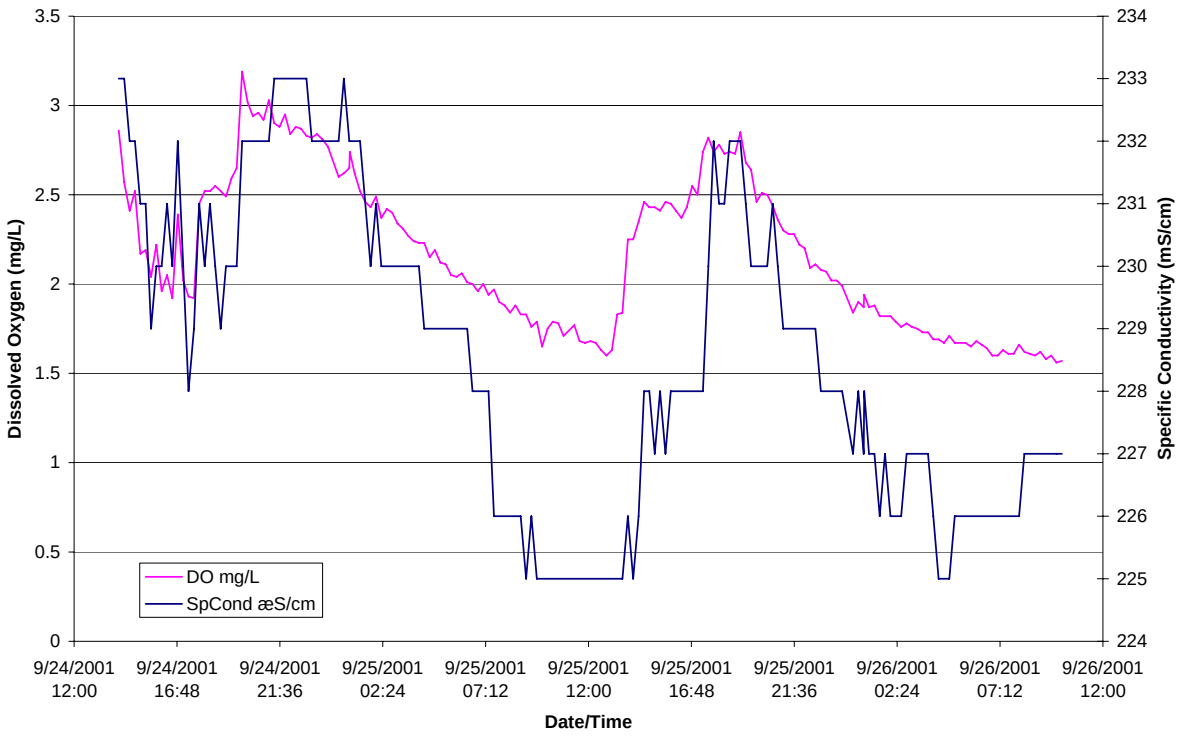
BGT7: DO & Temp v. Date/Time



BGT7: DO & pH v. Date/Time



BGT7: DO & SpCond v. Date/Time



DataSonde 4a 37753
Log File Name : Bayou Grosse Tete
Site 7
Setup Date (MMDDYY) : 092401
Setup Time (HHMMSS) : 102034
Starting Date (MMDDYY) : 092401
Starting Time (HHMMSS) : 102015
Stopping Date (MMDDYY) : 092701
Stopping Time (HHMMSS) : 100000
Interval (HHMMSS) : 001500
Sensor warmup (HHMMSS) : 000200
Circltr warmup (HHMMSS) : 000200

Summary: 09/25/2001 07:05:15 to 09/26/2001 07:05:15

	Temp	DO%	DO	SpCond	pH	IBatt
	øC	Sat	mg/l	æS/cm	Units	Volts
Average	23.84	24.22	2.04	227.21	6.80	12.09
Min	22.26	18.40	1.60	225.00	6.76	11.90
Max	25.03	34.40	2.85	232.00	6.96	12.30

Date		Temp	DO%	DO	SpCond	pH	IBatt
MMDDYY		øC	Sat	mg/l	æS/cm	Units	Volts
09/24/2001 14:05:15		26.43	35.6	2.86	233	6.71	12.5
09/24/2001 14:20:15		26.19	31.8	2.57	233	6.77	12.5
09/24/2001 14:35:15		26.15	29.8	2.41	232	6.8	12.5
09/24/2001 14:50:15		26.22	31.2	2.52	232	6.82	12.5
09/24/2001 15:05:15		26.01	26.8	2.17	231	6.83	12.5
09/24/2001 15:20:15		26.17	27.1	2.19	231	6.82	12.5
09/24/2001 15:35:15		26.01	25.2	2.04	229	6.87	12.5

09/24/2001 15:50:15		26.03	27.4	2.22	230	6.84	12.5
09/24/2001 16:05:15		25.89	24.1	1.96	230	6.84	12.5
09/24/2001 16:20:15		26.01	25.3	2.05	231	6.84	12.4
09/24/2001 16:35:15		25.99	23.7	1.92	230	6.84	12.5
09/24/2001 16:50:15		26.22	29.7	2.39	232	6.86	12.5
09/24/2001 17:05:15		25.96	24.9	2.02	230	6.85	12.5
09/24/2001 17:20:15		25.96	23.8	1.93	228	6.83	12.5
09/24/2001 17:35:15		26.01	23.7	1.92	229	6.97	12.4
09/24/2001 17:50:15		26.26	30.3	2.45	231	6.86	12.4
09/24/2001 18:05:15		26.32	31.3	2.52	230	6.86	12.5
09/24/2001 18:20:15		26.45	31.3	2.52	231	6.86	12.5
09/24/2001 18:35:15		26.34	31.7	2.55	230	6.86	12.5
09/24/2001 18:50:15		26.33	31.2	2.52	229	6.87	12.5
09/24/2001 19:05:15		26.32	30.8	2.49	230	6.87	12.5
09/24/2001 19:20:15		26.35	32.1	2.59	230	6.87	12.4
09/24/2001 19:35:15		26.34	32.9	2.65	230	6.87	12.5
09/24/2001 19:50:15		26.28	39.6	3.19	232	6.9	12.4
09/24/2001 20:05:15		26.26	37.4	3.02	232	6.9	12.4
09/24/2001 20:20:15		26.22	36.5	2.94	232	6.89	12.4
09/24/2001 20:35:15		26.14	36.6	2.96	232	6.89	12.4
09/24/2001 20:50:15		26.12	36.1	2.92	232	6.89	12.3
09/24/2001 21:05:15		26.08	37.4	3.03	232	6.9	12.3
09/24/2001 21:20:15		26.06	35.8	2.9	233	6.89	12.3
09/24/2001 21:35:15		26.02	35.5	2.88	233	6.89	12.3
09/24/2001 21:50:15		25.93	36.4	2.95	233	6.89	12.4
09/24/2001 22:05:15		25.88	34.9	2.84	233	6.88	12.4
09/24/2001 22:20:15		25.85	35.5	2.88	233	6.89	12.3
09/24/2001 22:35:15		25.8	35.3	2.87	233	6.89	12.3
09/24/2001 22:50:15		25.74	34.7	2.83	233	6.88	12.4
09/24/2001 23:05:15		25.72	34.6	2.82	232	6.88	12.2
09/24/2001 23:20:15		25.69	34.9	2.84	232	6.88	12.3
09/24/2001 23:35:15		25.64	34.5	2.81	232	6.88	12.2
09/24/2001 23:50:15		25.56	33.8	2.77	232	6.87	12.4
09/25/2001 00:20:15		25.47	33.5	2.74	232	6.87	12.3
09/25/2001 00:35:15		25.45	31.7	2.6	232	6.87	12.2
09/25/2001 00:50:15		25.38	32	2.62	233	6.87	12.2
09/25/2001 00:51:50		25.28	32.2	2.65	232	6.86	12.3
09/25/2001 01:05:15		25.25	31.8	2.62	232	6.86	12.2
09/25/2001 01:20:15		25.19	30.6	2.52	232	6.86	12.3
09/25/2001 01:35:15		25.16	29.9	2.46	231	6.85	12.3
09/25/2001 01:50:15		25.05	29.5	2.43	230	6.85	12.3
09/25/2001 02:05:15		24.89	30.1	2.49	231	6.85	12.2
09/25/2001 02:20:15		24.84	28.7	2.37	230	6.85	12.3
09/25/2001 02:35:15		24.81	29.3	2.42	230	6.85	12.3
09/25/2001 02:50:15		24.78	28.9	2.4	230	6.84	12.3
09/25/2001 03:05:15		24.74	28.2	2.34	230	6.84	12.2
09/25/2001 03:20:15		24.69	27.8	2.31	230	6.84	12.3
09/25/2001 03:35:15		24.59	27.3	2.27	230	6.84	12.2

09/25/2001 03:50:15		24.54	26.9	2.24	230	6.84	12.3
09/25/2001 04:05:15		24.49	26.7	2.23	230	6.83	12.2
09/25/2001 04:20:15		24.42	26.8	2.23	229	6.83	12.3
09/25/2001 04:35:15		24.34	25.8	2.15	229	6.82	12.3
09/25/2001 04:50:15		24.21	26.1	2.19	229	6.83	12.2
09/25/2001 05:05:15		24.16	25.3	2.12	229	6.82	12.3
09/25/2001 05:20:15		24.14	25.1	2.11	229	6.82	12.3
09/25/2001 05:35:15		24.08	24.4	2.05	229	6.81	12.3
09/25/2001 05:50:15		24.02	24.3	2.04	229	6.82	12.2
09/25/2001 06:05:15		23.93	24.5	2.06	229	6.82	12.2
09/25/2001 06:20:15		23.9	23.9	2.01	229	6.81	12.3
09/25/2001 06:35:15		23.88	23.8	2	228	6.81	12.3
09/25/2001 06:50:15		23.88	23.2	1.96	228	6.81	12.2
09/25/2001 07:05:15		23.76	23.7	2	228	6.8	12.2
09/25/2001 07:20:15		23.74	23	1.94	228	6.8	12.1
09/25/2001 07:35:15		23.74	23.3	1.97	226	6.8	12.2
09/25/2001 07:50:15		23.73	22.4	1.9	226	6.8	12.2
09/25/2001 08:05:15		23.65	22.2	1.88	226	6.8	12.2
09/25/2001 08:20:15		23.62	21.7	1.84	226	6.79	12.1
09/25/2001 08:35:15		23.59	22.2	1.88	226	6.79	12.3
09/25/2001 08:50:15		23.56	21.5	1.83	226	6.79	12.1
09/25/2001 09:05:15		23.52	21.5	1.83	225	6.79	12.2
09/25/2001 09:20:15		23.52	20.7	1.76	226	6.79	12.1
09/25/2001 09:35:15		23.45	21	1.79	225	6.79	12.1
09/25/2001 09:50:15		23.41	19.4	1.65	225	6.78	12.1
09/25/2001 10:05:15		23.33	20.6	1.75	225	6.78	12.1
09/25/2001 10:20:15		23.32	21	1.79	225	6.79	12.1
09/25/2001 10:35:15		23.39	20.9	1.78	225	6.78	12.2
09/25/2001 10:50:15		23.56	20.1	1.71	225	6.78	12.2
09/25/2001 11:05:15		23.54	20.5	1.74	225	6.78	12.2
09/25/2001 11:20:15		23.56	20.9	1.77	225	6.78	12.1
09/25/2001 11:35:15		23.62	19.9	1.68	225	6.78	12.1
09/25/2001 11:50:15		23.63	19.7	1.67	225	6.77	12.2
09/25/2001 12:05:15		23.64	19.8	1.68	225	6.78	12.1
09/25/2001 12:20:15		23.67	19.8	1.67	225	6.78	12.1
09/25/2001 12:35:15		23.71	19.3	1.63	225	6.77	12.1
09/25/2001 12:50:15		23.74	19	1.6	225	6.77	12.1
09/25/2001 13:05:15		23.79	19.3	1.63	225	6.78	12.1
09/25/2001 13:20:15		23.99	21.8	1.83	225	6.78	12.1
09/25/2001 13:35:15		24.2	21.9	1.84	225	6.78	12.1
09/25/2001 13:50:15		24.48	27.1	2.25	226	6.8	12.1
09/25/2001 14:05:15		24.49	27	2.25	225	6.84	12.1
09/25/2001 14:20:15		24.68	28.3	2.35	226	6.84	12.1
09/25/2001 14:35:15		24.67	29.6	2.46	228	6.82	12.1
09/25/2001 14:50:15		24.72	29.3	2.43	228	6.82	12.1
09/25/2001 15:05:15		24.78	29.3	2.43	227	6.86	12.2
09/25/2001 15:20:15		24.8	29.1	2.41	228	6.84	12.1
09/25/2001 15:35:15		24.84	29.8	2.46	227	6.84	12.1

09/25/2001 15:50:15		24.86	29.6	2.45	228	6.86	12.1
09/25/2001 16:05:15		24.87	29.1	2.41	228	6.85	12.1
09/25/2001 16:20:15		24.87	28.6	2.37	228	6.83	12.1
09/25/2001 16:35:15		24.93	29.3	2.43	228	6.83	12.1
09/25/2001 16:50:15		24.98	30.9	2.55	228	6.82	12.1
09/25/2001 17:05:15		24.96	30.2	2.5	228	6.8	12.1
09/25/2001 17:20:15		25.02	33.2	2.74	228	6.83	12.1
09/25/2001 17:35:15		25.03	34.2	2.82	230	6.86	12.1
09/25/2001 17:50:15		24.99	33.2	2.74	232	6.84	12.1
09/25/2001 18:05:15		24.92	33.6	2.78	231	6.85	12.1
09/25/2001 18:20:15		24.86	33	2.73	231	6.84	12.1
09/25/2001 18:35:15		24.84	33.1	2.74	232	6.84	12.1
09/25/2001 18:50:15		24.8	32.9	2.73	232	6.9	12.1
09/25/2001 19:05:15		24.74	34.4	2.85	232	6.96	12.1
09/25/2001 19:20:15		24.63	32.3	2.68	231	6.83	12.1
09/25/2001 19:35:15		24.55	31.7	2.64	230	6.83	12.1
09/25/2001 19:50:15		24.46	29.4	2.46	230	6.82	12.1
09/25/2001 20:05:15		24.39	30	2.51	230	6.82	12.1
09/25/2001 20:20:15		24.3	29.9	2.5	230	6.82	12.1
09/25/2001 20:35:15		24.2	29.1	2.44	231	6.81	12.1
09/25/2001 20:50:15		24.25	28.2	2.36	230	6.81	12.1
09/25/2001 21:05:15		24.27	27.4	2.3	229	6.81	12.1
09/25/2001 21:20:15		24.19	27.2	2.28	229	6.8	12.1
09/25/2001 21:35:15		24.11	27.2	2.28	229	6.8	12.1
09/25/2001 21:50:15		24.11	26.4	2.22	229	6.8	12.1
09/25/2001 22:05:15		24.01	26.2	2.2	229	6.8	12.1
09/25/2001 22:20:15		24.05	24.9	2.09	229	6.8	12.1
09/25/2001 22:35:15		23.98	25	2.11	229	6.8	12.1
09/25/2001 22:50:15		23.95	24.8	2.08	228	6.8	12.1
09/25/2001 23:05:15		23.9	24.5	2.07	228	6.8	12.1
09/25/2001 23:20:15		23.87	24	2.02	228	6.79	12.1
09/25/2001 23:35:15		23.79	23.9	2.02	228	6.78	12.1
09/25/2001 23:50:15		23.76	23.6	1.99	228	6.79	12.1
09/26/2001 00:20:15		23.76	22.9	1.94	228	6.78	12.1
09/26/2001 00:35:15		23.83	21.8	1.84	227	6.78	12.1
09/26/2001 00:50:15		23.72	22.5	1.9	228	6.78	12.1
09/26/2001 00:51:50		23.66	22	1.87	227	6.77	12
09/26/2001 01:05:15		23.62	22.1	1.87	227	6.78	12.1
09/26/2001 01:20:15		23.5	22.1	1.88	227	6.77	12
09/26/2001 01:35:15		23.55	21.4	1.82	226	6.77	12
09/26/2001 01:50:15		23.47	21.4	1.82	227	6.77	12
09/26/2001 02:05:15		23.4	21.3	1.82	226	6.77	12
09/26/2001 02:20:15		23.38	21	1.79	226	6.77	12.1
09/26/2001 02:35:15		23.38	20.7	1.76	226	6.77	12
09/26/2001 02:50:15		23.27	20.9	1.78	227	6.78	12
09/26/2001 03:05:15		23.22	20.6	1.76	227	6.77	12
09/26/2001 03:20:15		23.12	20.4	1.75	227	6.77	12.1
09/26/2001 03:35:15		23.13	20.2	1.73	227	6.77	12

09/26/2001 03:50:15		23.05	20.2	1.73	227	6.76	12.1
09/26/2001 04:05:15		23.04	19.8	1.69	226	6.77	11.9
09/26/2001 04:20:15		23.02	19.7	1.69	225	6.76	11.9
09/26/2001 04:35:15		22.97	19.5	1.67	225	6.76	11.9
09/26/2001 04:50:15		22.84	19.9	1.71	225	6.76	12.1
09/26/2001 05:05:15		22.83	19.4	1.67	226	6.76	12.1
09/26/2001 05:20:15		22.73	19.4	1.67	226	6.77	12
09/26/2001 05:35:15		22.58	19.4	1.67	226	6.77	12
09/26/2001 05:50:15		22.57	19.1	1.65	226	6.76	12
09/26/2001 06:05:15		22.37	19.4	1.68	226	6.76	12
09/26/2001 06:20:15		22.42	19.1	1.66	226	6.76	12
09/26/2001 06:35:15		22.34	18.9	1.64	226	6.76	11.9
09/26/2001 06:50:15		22.33	18.4	1.6	226	6.76	12
09/26/2001 07:05:15		22.26	18.4	1.6	226	6.76	12
09/26/2001 07:20:15		22.14	18.7	1.63	226	6.77	11.9
09/26/2001 07:35:15		22.1	18.5	1.61	226	6.76	11.9
09/26/2001 07:50:15		22.06	18.5	1.61	226	6.76	12
09/26/2001 08:05:15		21.89	19	1.66	226	6.75	12
09/26/2001 08:20:15		21.86	18.5	1.62	227	6.75	11.9
09/26/2001 08:35:15		21.82	18.4	1.61	227	6.75	11.9
09/26/2001 08:50:15		21.84	18.3	1.6	227	6.75	11.9
09/26/2001 09:05:15		21.75	18.5	1.62	227	6.75	12
09/26/2001 09:20:15		21.76	18.1	1.58	227	6.75	12
09/26/2001 09:35:15		21.73	18.2	1.6	227	6.77	12
09/26/2001 09:50:15		21.64	17.8	1.56	227	6.75	11.9
09/26/2001 10:05:15		21.67	17.9	1.57	227	6.75	11.9

Appendix F5 – BOD Calculations

Total BOD data

Item No.	Sample No.	Initial	Daily analysis start dates:													
		09/26/01	09/28/01	10/02/01	10/05/01	10/09/01	10/12/01	10/16/01	10/26/01	11/05/01	11/15/01	11/26/01				
1	(LAB ID#AD23503) Bayou Gross Tete upstream of rock weir		0.90	2.60	3.50	4.10	4.40	4.70	5.70	6.40	6.90	7.40				
2	(LAB ID#AD23508) Bayou Gross Tete downstream of rock weir		1.10	2.70	4.10	4.70	5.00	5.40	6.40	7.10	7.60	8.20				
3	(LAB ID#AD23513) Bayou Gross Tete at Frisco Bridge (LA 411)		3.50	7.80	10.10	13.70	15.10	16.70	18.80	20.30	21.30	22.10				
4	(LAB ID#AD23523) Bayou Gross Tete at Livonia Bridge (Bridge Rd.)		2.60	6.00	8.60	10.90	11.90	13.10	15.40	17.10	18.20	19.30				
5	(LAB ID#AD23528) Bayou Gross Tete at Livonia Bridge (Bridge Rd.)		2.60	6.20	8.60	11.40	12.40	13.60	15.70	17.50	18.70	19.70				
6	(LAB ID#AD23533) Bayou Gross Tete at Maringouin Bridge		4.00	9.00	12.30	15.50	16.80	18.20	20.60	22.20	23.30	24.40				
7	(LAB ID#AD23543) Bayou Gross Tete at Rosedale Bridge (LA 76)		1.60	3.80	6.70	9.10	9.90	10.80	12.60	13.90	15.00	15.90				
8	(LAB ID#AD23553) Bayou Gross Tete at Rosedale Bridge (LA 76)		1.80	4.40	7.60	9.70	10.60	11.60	13.20	14.60	15.70	16.80				
9	(LAB ID#AD23558) Bayou Gross Tete at Sidney Rd. Bridge		2.30	5.40	8.50	10.60	11.90	13.10	15.10	16.70	17.90	19.10				
10	(LAB ID#AD23568) Bayou Gross Tete downstream of LA 77 boat launch		1.80	4.60	7.00	8.50	9.30	10.30	12.30	14.00	15.30	16.60				
11	(LAB ID#AD23573) Intracoastal Waterway downstream of confluence with Bayou Gross Tete		0.80	1.80	2.40	3.00	3.40	3.80	4.50	5.10	5.60	6.10				
12	(LAB ID#AD23578) False River Overflow Canal at LA 979 Bridge		2.10	4.70	6.60	7.40	7.80	8.20	9.40	10.20	10.60	11.00				
13	(LAB ID#AD23583) Bayou Fordoche upstream of confluence with Bayou Gross Tete		2.10	4.40	6.50	7.90	8.60	9.40	10.90	12.30	13.30	14.30				
14	(LAB ID#AD23588) Grand Bayou upstream of confluence with Bayou Gross Tete		1.50	3.50	5.30	6.80	7.50	8.40	10.30	12.10	13.30	14.50				
15	(LAB ID#AD23593) Catfish Canal culvert on LA 77		3.10	6.90	9.50	11.50	12.60	14.00	16.70	18.90	20.50	21.80				
16	(LAB ID#AD23598) Intracoastal Waterway Diversion Canal upstream of confluence with Bayou Gross Te		1.90	4.50	6.80	8.10	9.00	10.00	12.00	13.80	15.10	16.40				
17																
18																
19																
20																

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

Item No.	Sample No.	Initial	Daily analysis start dates:													
		09/26/01	09/28/01	10/02/01	10/05/01	10/09/01	10/12/01	10/16/01	10/26/01	11/05/01	11/15/01	11/26/01				
1	(LAB ID#AD23503) Bayou Gross Tete upstream of rock weir	0.18	0.17	0.32	0.44	0.47	0.48	0.51	0.53	0.63	0.55	0.62				
2	(LAB ID#AD23508) Bayou Gross Tete downstream of rock weir	0.16	0.16	0.25	0.45	0.49	0.50	0.55	0.56	0.64	0.57	0.64				
3	(LAB ID#AD23513) Bayou Gross Tete at Frisco Bridge (LA 411)	0.00	0.00	0.00	0.07	0.43	0.53	0.69	0.81	0.96	0.78	1.01				
4	(LAB ID#AD23523) Bayou Gross Tete at Livonia Bridge (Bridge Rd.)	0.08	0.08	0.10	0.28	0.52	0.56	0.61	0.67	0.77	0.76	0.85				
5	(LAB ID#AD23528) Bayou Gross Tete at Livonia Bridge (Bridge Rd.)	0.08	0.08	0.09	0.22	0.54	0.56	0.63	0.69	0.80	0.76	0.87				
6	(LAB ID#AD23533) Bayou Gross Tete at Maringouin Bridge	0.09	0.08	0.09	0.26	0.59	0.59	0.74	0.85	0.95	0.90	1.00				
7	(LAB ID#AD23543) Bayou Gross Tete at Rosedale Bridge (LA 76)	0.00	0.00	0.06	0.35	0.68	0.66	0.77	0.83	0.94	0.88	0.96				
8	(LAB ID#AD23553) Bayou Gross Tete at Rosedale Bridge (LA 76)	0.00	0.00	0.07	0.40	0.68	0.66	0.84	0.82	0.90	0.89	0.98				
9	(LAB ID#AD23558) Bayou Gross Tete at Sidney Rd. Bridge	0.06	0.05	0.08	0.36	0.57	0.56	0.74	0.76	0.83	0.82	0.89				
10	(LAB ID#AD23568) Bayou Gross Tete downstream of LA 77 boat launch	0.00	0.00	0.11	0.38	0.44	0.44	0.53	0.54	0.61	0.61	0.67				
11	(LAB ID#AD23573) Intracoastal Waterway downstream of confluence with Bayou Gross Tete	0.31	0.33	0.39	0.40	0.43	0.44	0.49	0.49	0.53	0.52	0.57				
12	(LAB ID#AD23578) False River Overflow Canal at LA 979 Bridge	0.11	0.10	0.17	0.42	0.45	0.43	0.52	0.58	0.65	0.62	0.68				
13	(LAB ID#AD23583) Bayou Fordoche upstream of confluence with Bayou Gross Tete	0.18	0.18	0.23	0.45	0.51	0.48	0.63	0.62	0.70	0.69	0.78				
14	(LAB ID#AD23588) Grand Bayou upstream of confluence with Bayou Gross Tete	0.00	0.00	0.00	0.16	0.28	0.27	0.34	0.36	0.43	0.43	0.49				
15	(LAB ID#AD23593) Catfish Canal culvert on LA 77	0.00	0.00	0.14	0.36	0.41	0.42	0.52	0.56	0.68	0.68	0.80				
16	(LAB ID#AD23598) Intracoastal Waterway Diversion Canal upstream of confluence with Bayou Gross T	0.00	0.00	0.11	0.41	0.43	0.37	0.54	0.58	0.65	0.63	0.69				
17																
18																
19																
20																

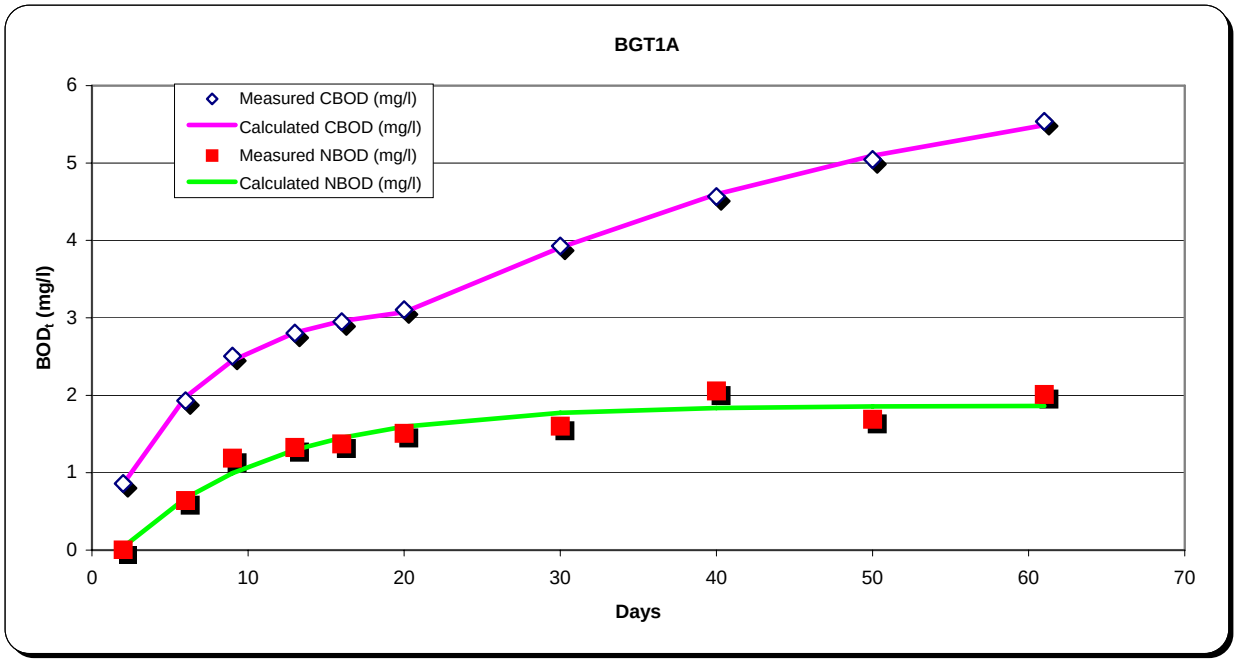
2 Component	NBOD			CBOD1			CBOD2		
Site ID	UBOD (mg/l)	k rate (1/day)	Lag time (days)	UBOD (mg/l)	k rate (1/day)	Lag time (days)	UBOD (mg/l)	k rate (1/day)	Lag time (days)
BGT1A	1.867	0.106	1.799	3.198	0.163	0.097	3.275	0.031	21.701
BGT1B	2.011	0.155	4.035	3.632	0.169	0.000	3.578	0.030	21.930
BGT2	4.204	0.115	8.167	14.422	0.130	0.000	4.922	0.033	24.877
BGT3	3.226	0.106	5.590	11.541	0.120	0.000	6.383	0.032	23.884
BGT3	3.282	0.122	6.729	12.057	0.119	0.000	6.192	0.033	25.167
BGT4	3.957	0.104	6.514	16.274	0.135	0.000	5.892	0.032	24.612
BGT5	4.149	0.142	5.444	8.443	0.099	0.012	4.020	0.039	25.167
BGT5	4.131	0.156	5.396	8.877	0.110	0.024	4.591	0.038	25.167
BGT6	3.565	0.125	5.590	11.258	0.109	0.000	5.185	0.040	25.167
BGT7	2.807	0.128	3.743	8.621	0.109	0.000	7.274	0.032	24.444
BGT8	1.144	0.051	0.000	3.476	0.096	0.000	1.861	0.039	25.167
BGT9	2.463	0.092	3.354	6.436	0.195	0.036	2.728	0.037	21.417
BGT12	2.498	0.087	3.743	7.947	0.129	0.000	5.477	0.032	24.977
BGT13	2.040	0.101	5.444	7.787	0.100	0.000	6.641	0.032	25.023
BGT14	3.436	0.063	1.750	12.996	0.110	0.000	7.696	0.033	24.691
BGT15	3.018	0.090	2.479	8.340	0.109	0.000	7.151	0.032	24.680

Bayou Grosse Tete 120104 Weighted Average Decay Rates				
Site #	CBOD1	CBOD2	NBOD	Sum
BGT2	0.063	0.012	0.024	0.098
BGT3	0.067	0.012	0.034	0.112
BGT3	0.080	0.007	0.021	0.107
BGT4	0.066	0.010	0.016	0.091
BGT5	0.067	0.009	0.019	0.095
BGT5	0.084	0.007	0.016	0.107
BGT6	0.050	0.009	0.036	0.095
BGT7	0.056	0.010	0.037	0.102
BGT8	0.061	0.010	0.022	0.094
BGT9	0.050	0.012	0.019	0.082
BGT12	0.051	0.011	0.009	0.071
BGT13	0.108	0.009	0.020	0.136
BGT14	0.064	0.011	0.014	0.089
BGT15	0.047	0.013	0.013	0.073

Bayou Grosse Tete 120104 Compiled BOD Summary Table				
Site #	BOD	BOD Decay	Average BOD	Average Decay
BGT1A	8.340	0.098		
BGT1B	9.221	0.112		
BGT2	23.549	0.107		
BGT3	21.150	0.091	21.340	0.093
BGT3	21.530	0.095		
BGT4	26.123	0.107		
BGT5	16.612	0.095	17.106	0.099
BGT5	17.599	0.102		
BGT6	20.008	0.094		
BGT7	18.702	0.082		
BGT8	6.481	0.071		
BGT9	11.627	0.136		
BGT12	15.922	0.089		
BGT13	16.467	0.073		
BGT14	24.128	0.079		
BGT15	18.509	0.076		

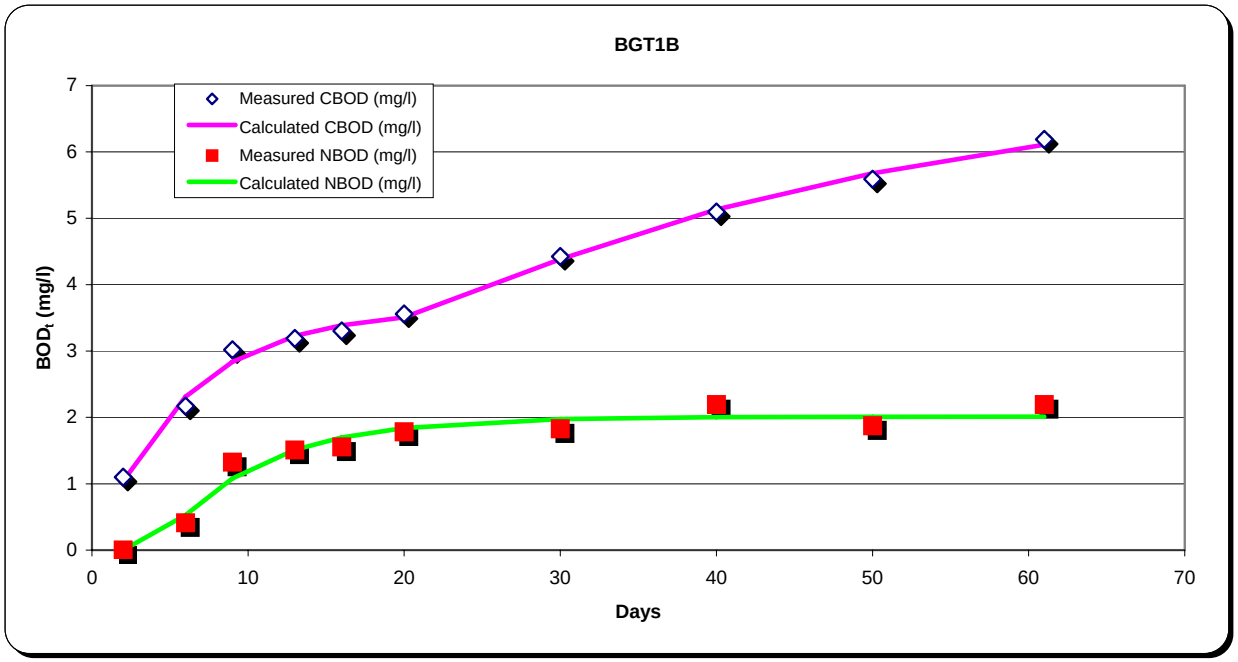
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	1.8665065	3.1978683	3.27535224
k rate (1/day)	0.1058333	0.163125	0.03059028
Lag time (days)	1.7986112	0.0972222	21.7008114

Breakpoint: 16th day



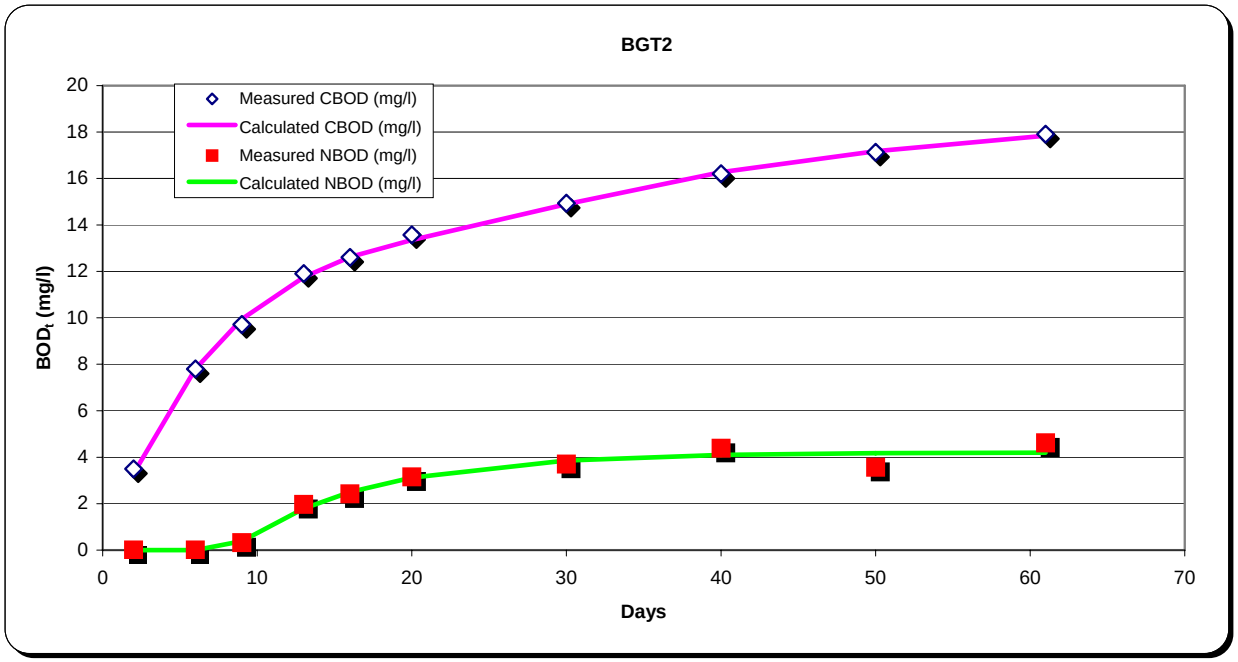
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	2.0107999	3.6323481	3.57755637
k rate (1/day)	0.1551042	0.1688542	0.03020833
Lag time (days)	4.0347219	0	21.9300251

Breakpoint: 20th day



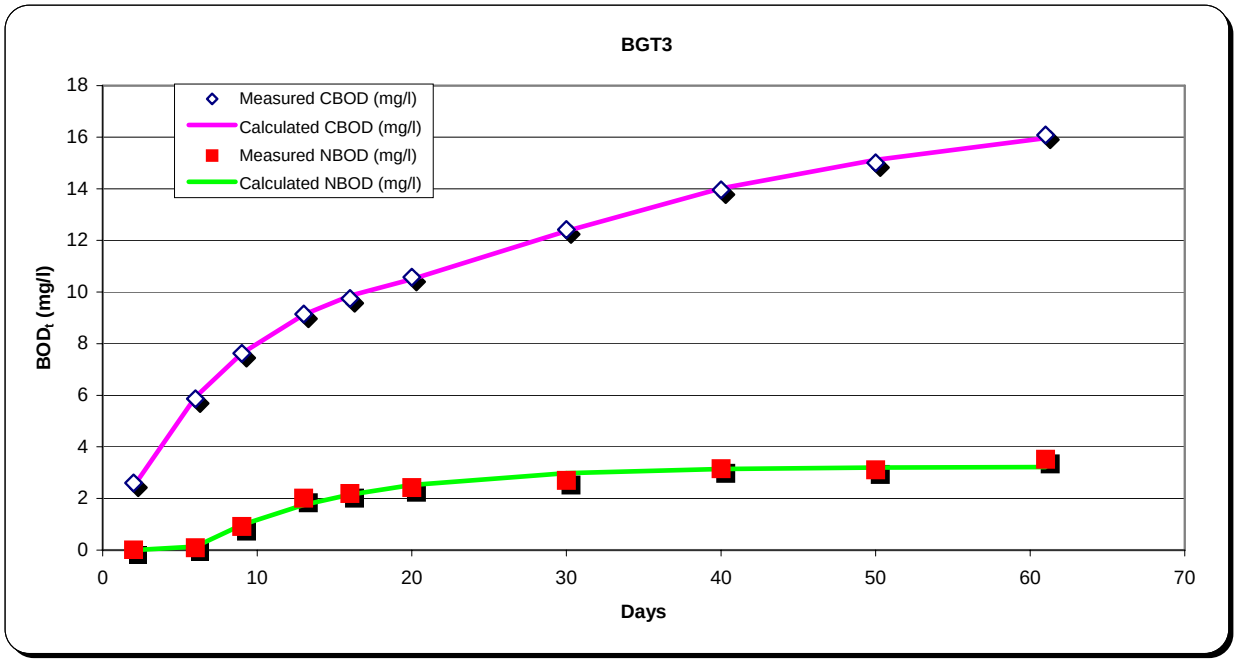
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	4.2043476	14.422162	4.92222691
k rate (1/day)	0.115	0.1298958	0.03291377
Lag time (days)	8.166667	0	24.8769169

Breakpoint: 16th day



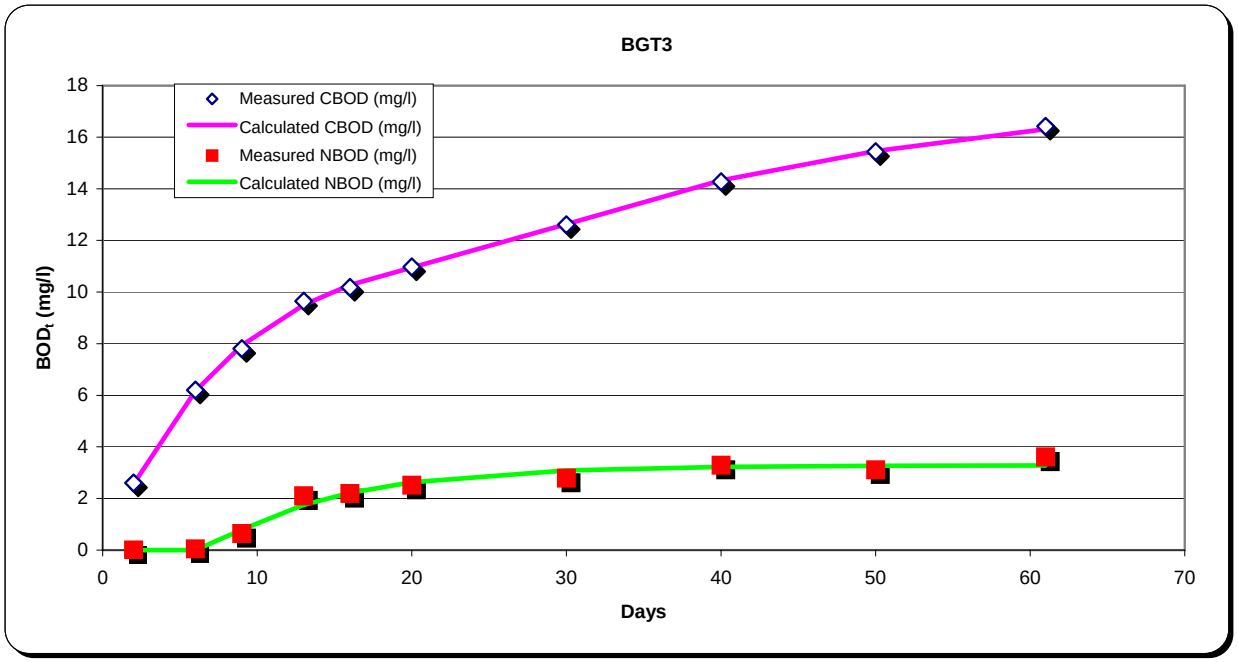
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	3.2256584	11.541298	6.38331747
k rate (1/day)	0.1058333	0.1201562	0.03192708
Lag time (days)	5.5902777	0	23.8838654

Breakpoint: 20th day



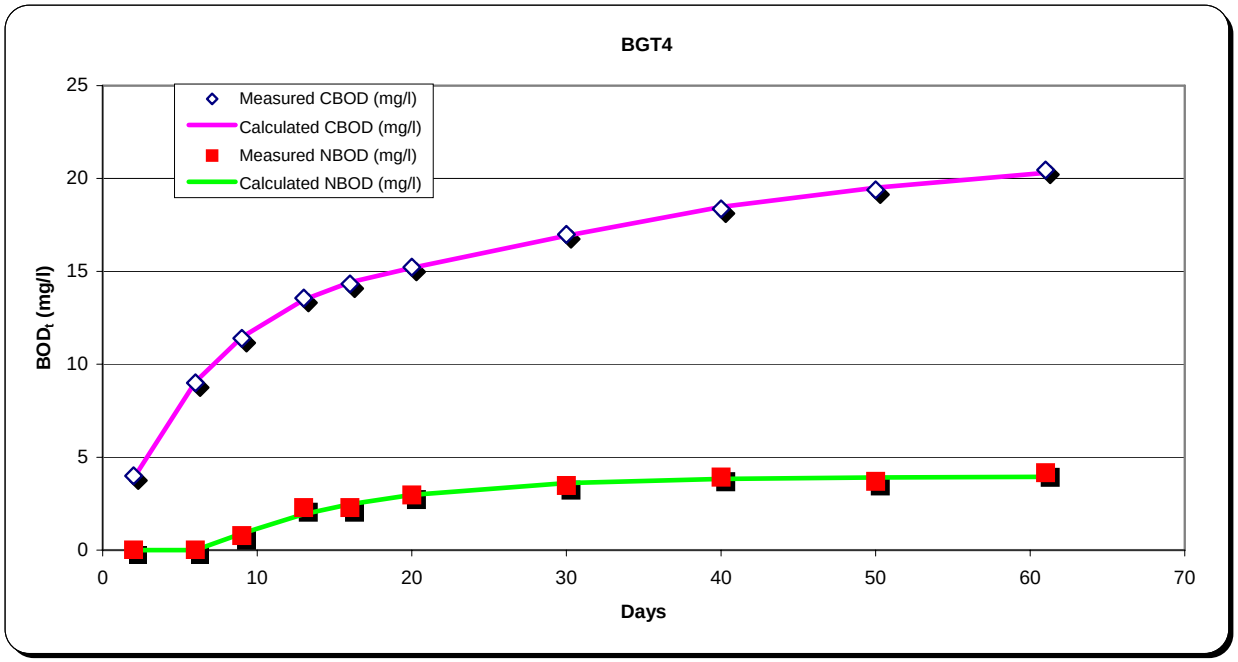
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	3.2815845	12.056831	6.19205952
k rate (1/day)	0.121684	0.1193924	0.03260675
Lag time (days)	6.7285876	0	25.1671505

Breakpoint: 20th day



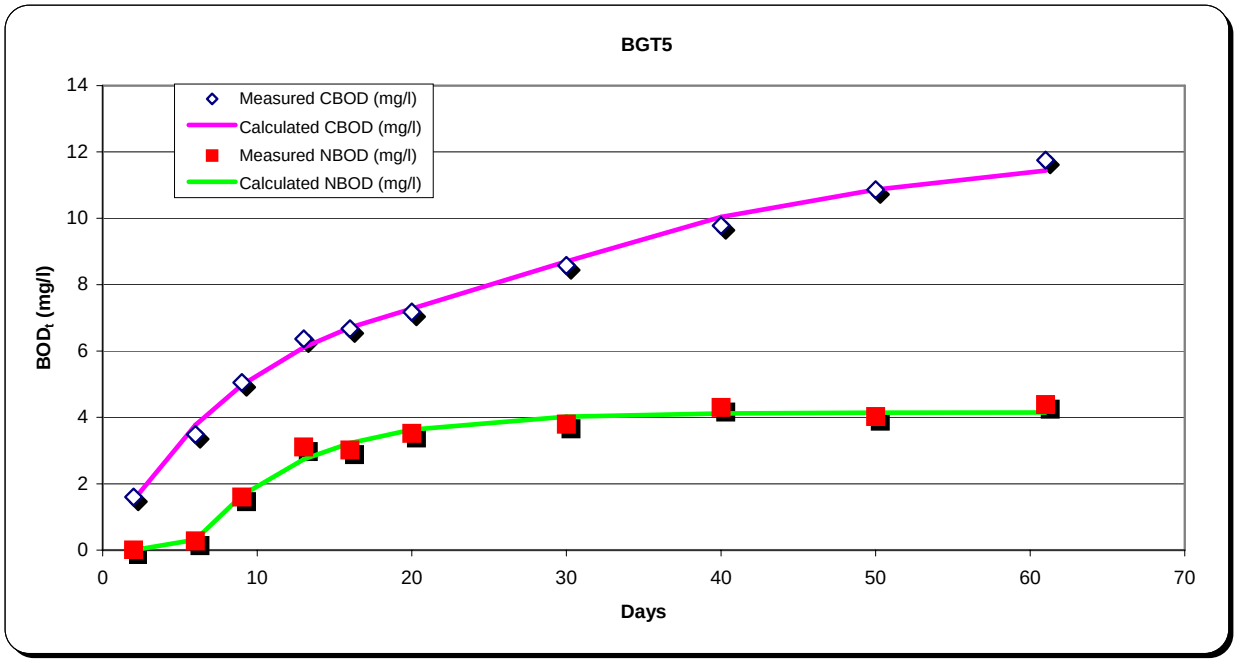
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	3.9565411	16.273932	5.89226007
k rate (1/day)	0.1035417	0.135434	0.03160879
Lag time (days)	6.5138888	0	24.6123695

Breakpoint: 20th day



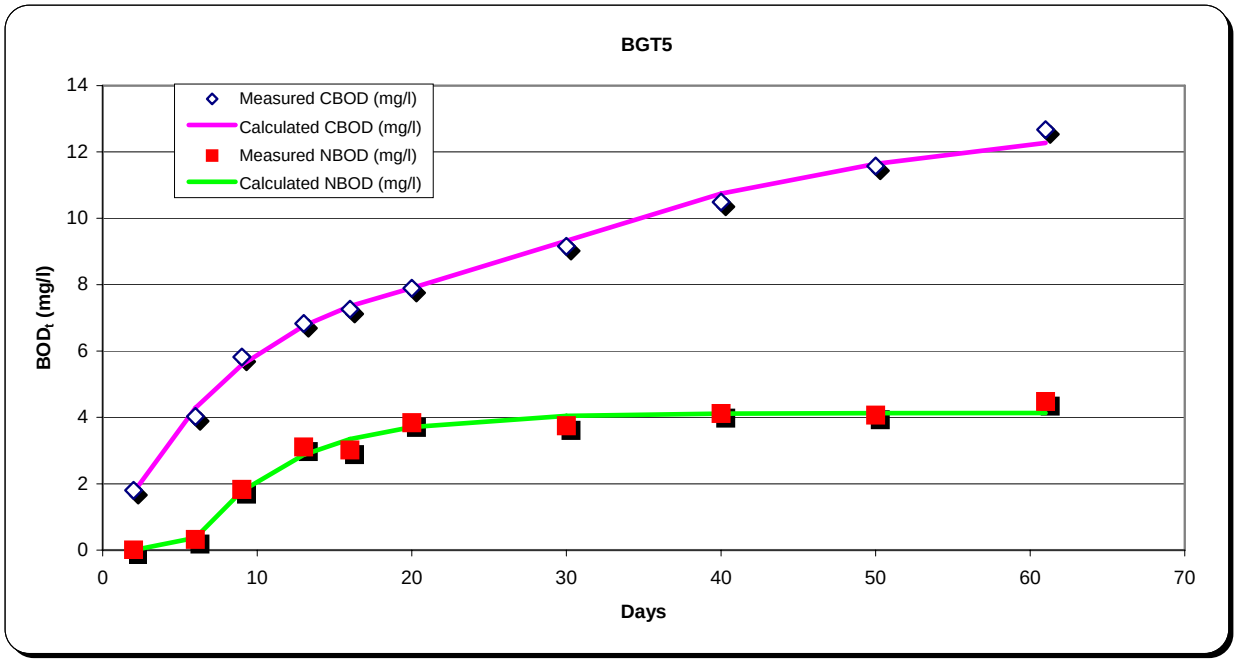
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	4.1485443	8.4429436	4.02030468
k rate (1/day)	0.1425	0.0989583	0.03871786
Lag time (days)	5.4444442	0.0121528	25.1671505

Breakpoint: 20th day



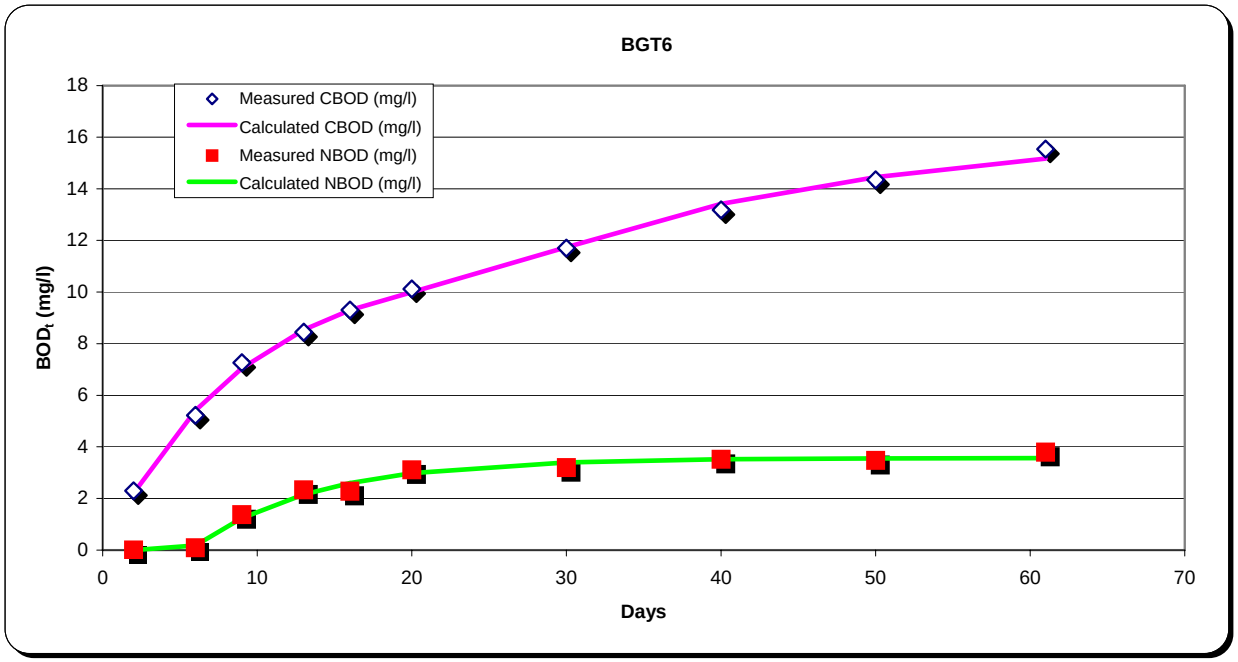
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	4.1313014	8.876771	4.59128284
k rate (1/day)	0.15625	0.1104167	0.03785848
Lag time (days)	5.395833	0.0243056	25.1671505

Breakpoint: 20th day



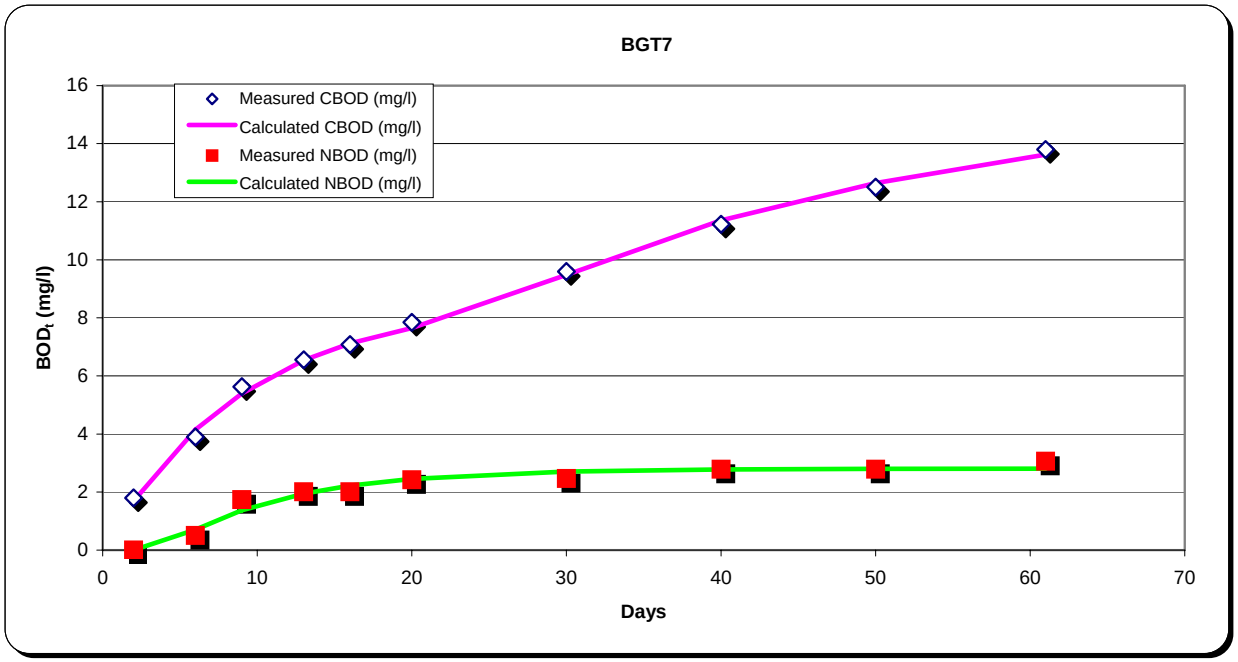
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	3.5648117	11.258354	5.18453121
k rate (1/day)	0.1253125	0.1092708	0.03957723
Lag time (days)	5.5902777	0	25.1671505

Breakpoint: 13th day



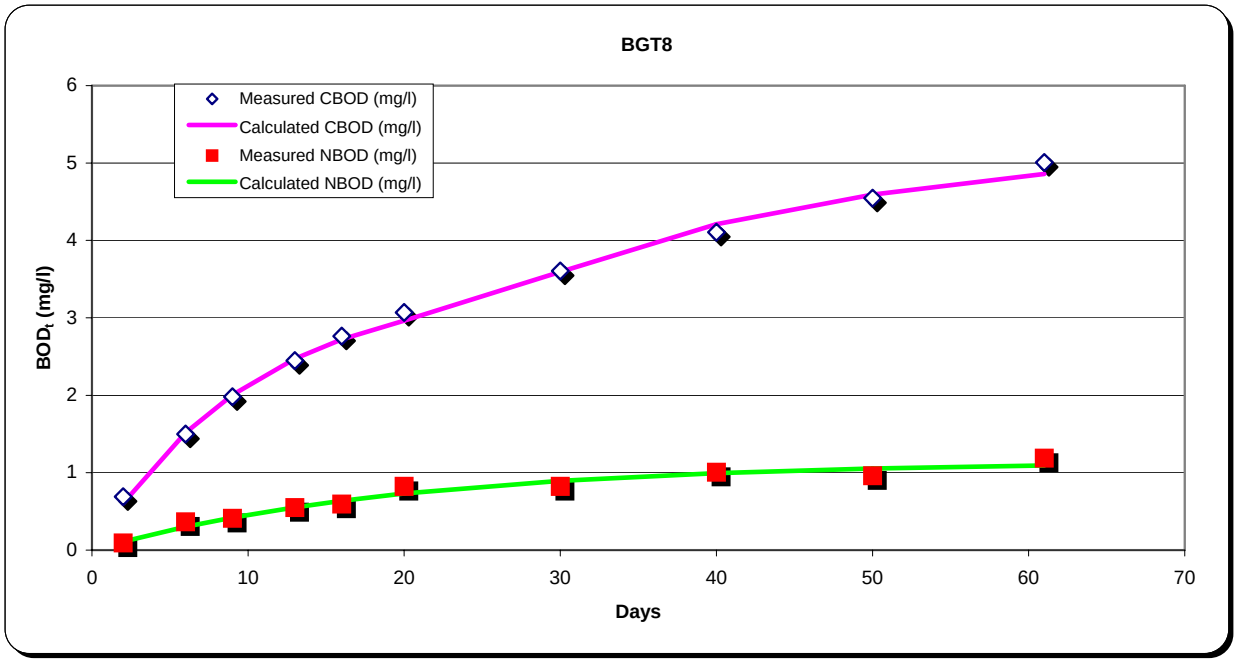
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	2.8067417	8.6213837	7.27417946
k rate (1/day)	0.1276042	0.1092708	0.03192708
Lag time (days)	3.7430553	0	24.443512

Breakpoint: 16th day



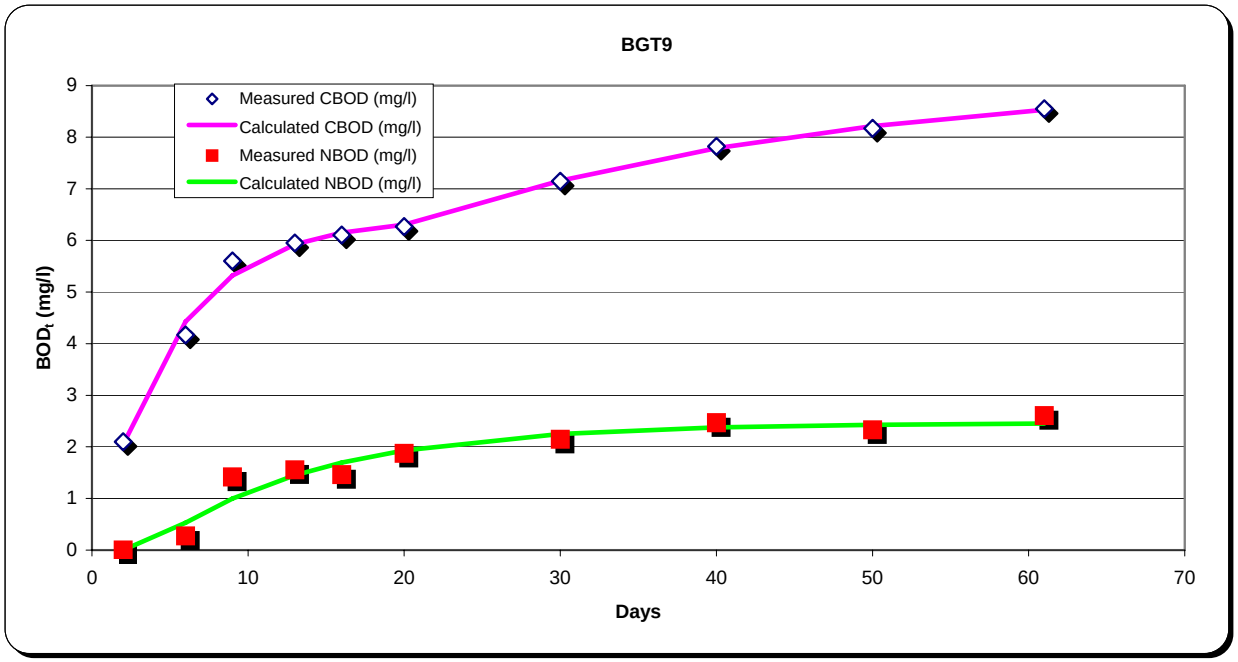
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	1.1441926	3.4762824	1.8606503
k rate (1/day)	0.0508333	0.0955208	0.03855872
Lag time (days)	0	0	25.1671505

Breakpoint: 16th day



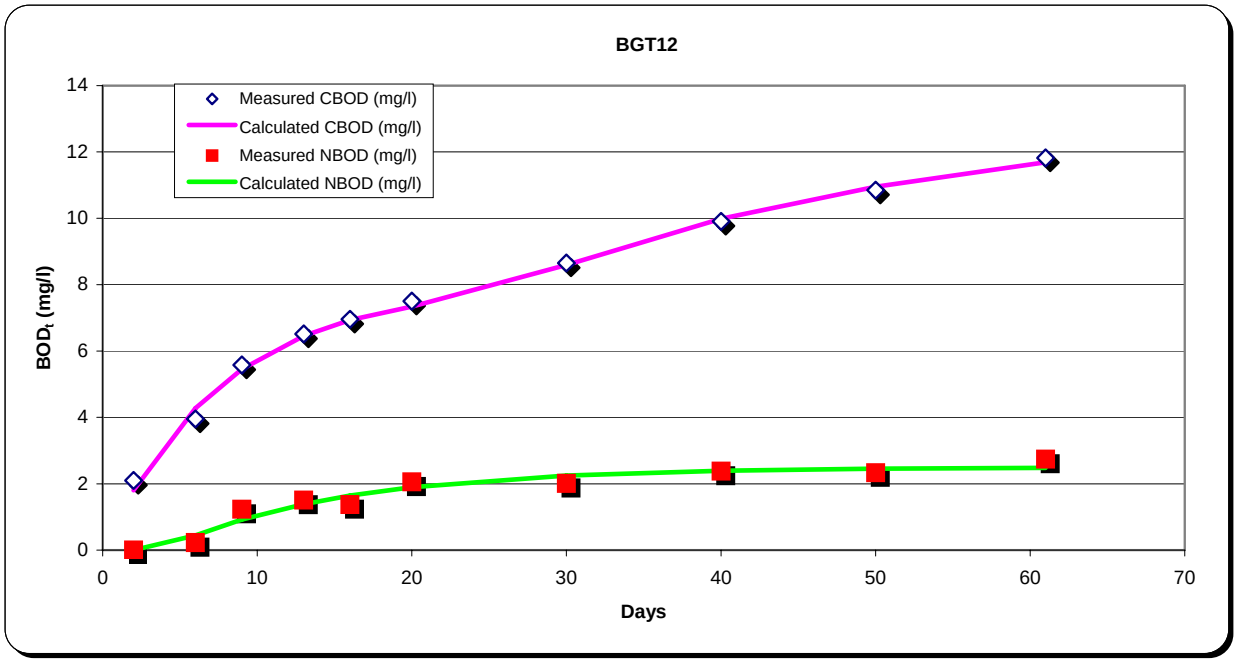
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	2.4631982	6.4355536	2.72828937
k rate (1/day)	0.0920833	0.1952083	0.03689236
Lag time (days)	3.3541665	0.0364583	21.4172459

Breakpoint: 20th day



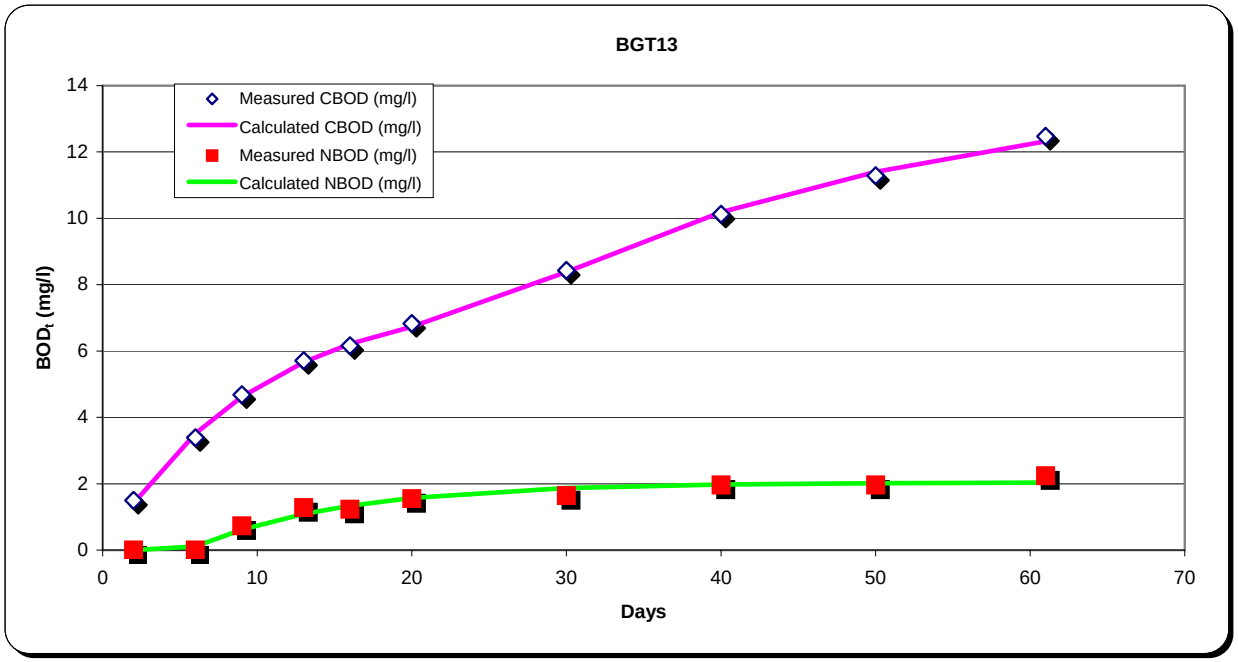
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	2.497632	7.9473519	5.47652721
k rate (1/day)	0.0875	0.12875	0.03192333
Lag time (days)	3.7430553	0	24.9770584

Breakpoint: 16th day



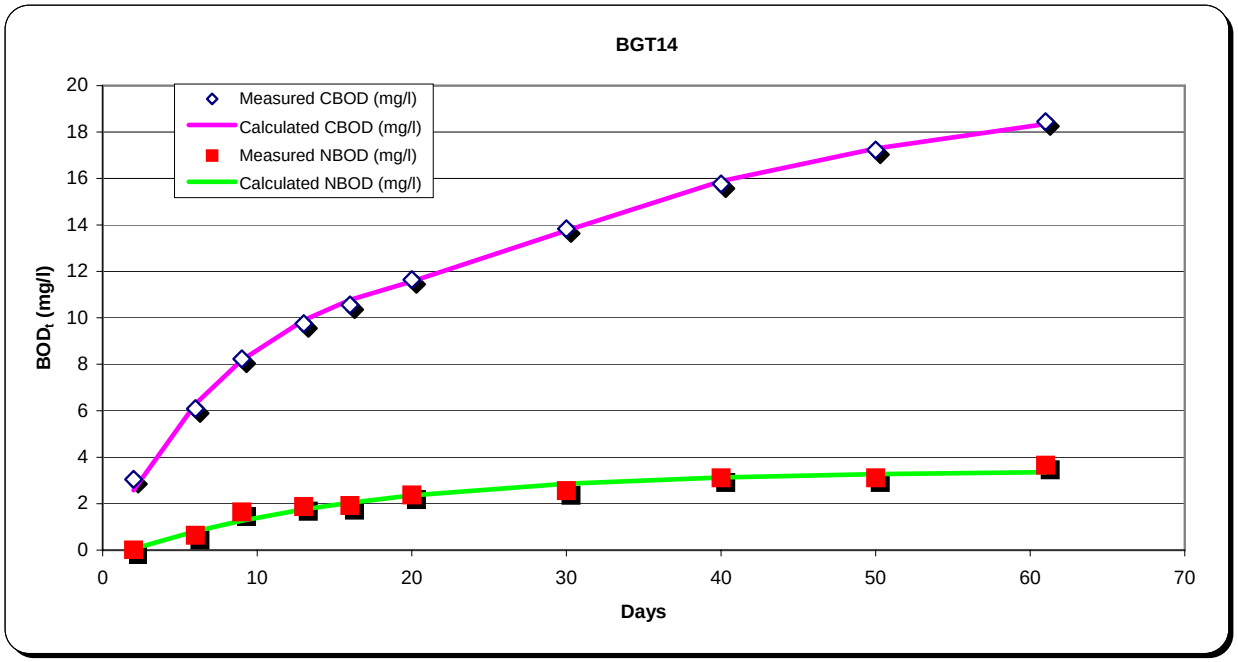
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	2.0397329	7.7865515	6.6406765
k rate (1/day)	0.10125	0.1001042	0.03214769
Lag time (days)	5.4444442	0	25.0230255

Breakpoint: 16th day



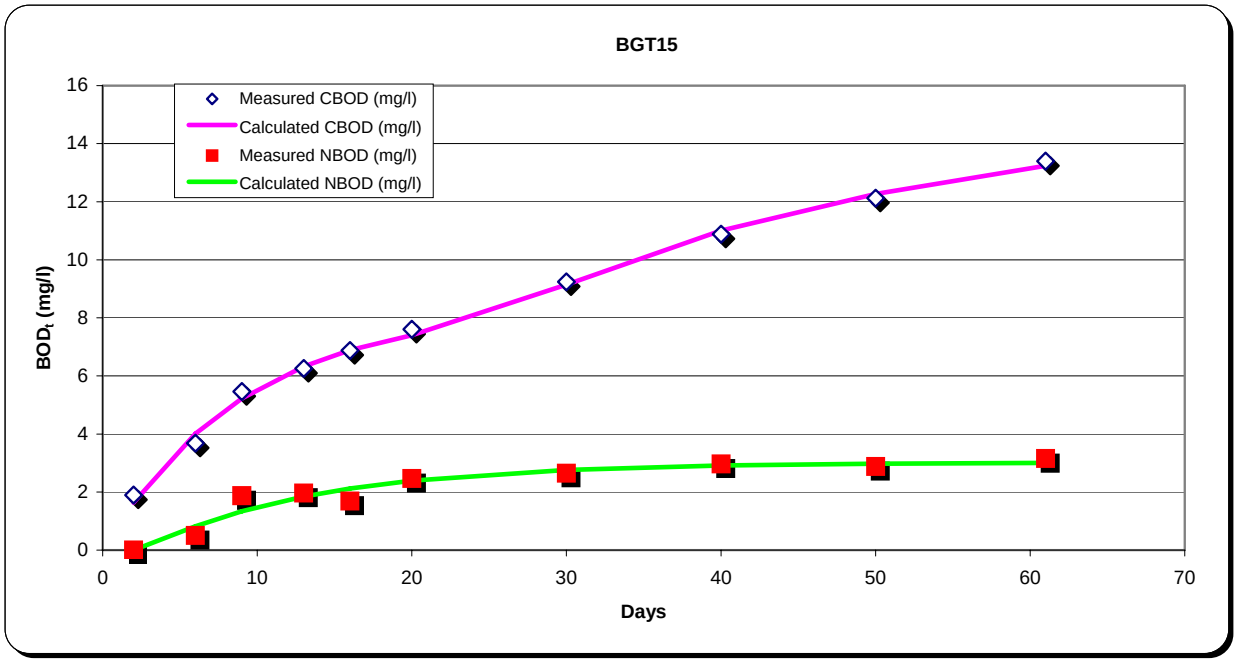
	NBOD	CBOD1	CBOD2
UBOD (mg/l)	3.4359629	12.996156	7.69629431
k rate (1/day)	0.0634375	0.1104167	0.03288194
Lag time (days)	1.75	0	24.6911716

Breakpoint: 13th day



	NBOD	CBOD1	CBOD2
UBOD (mg/l)	3.0182629	8.3403282	7.15085793
k rate (1/day)	0.0897917	0.1092708	0.03192708
Lag time (days)	2.4791665	0	24.6799145

Breakpoint: 13th day



Appendix G – Historical and Ambient Data

Appendix G1 – Ambient Data

Critical Temperature and DO Determinations:

SITE NUMBER: 970

SITE DESCRIPTION: Bayou Grosse Tete, Louisiana

	Summer Season	***Winter Season***
90th Percentile Temperature(°C):	28.26	18.73
90 % DO Sat (mg/L):	7.01	8.39
Months:	May To Oct	Nov To Apr

Date	***Water Temp. (°C)***	***DO (mg/L)***
11/16/2004	16.96	0.39
10/4/2004	23.79	2.59
8/24/2004	27.47	2.19
7/27/2004	27.50	3.80
6/29/2004	24.40	4.03
6/2/2004	25.02	2.73
5/4/2004	18.00	4.30
4/13/2004	16.93	3.12
3/9/2004	18.56	5.19
2/3/2004	10.68	6.61
1/6/2004	10.88	3.58
11/28/2000	13.59	4.50
10/24/2000	19.86	4.35
9/26/2000	24.47	1.80
8/29/2000	28.80	5.98
8/1/2000	28.41	2.00
6/6/2000	26.89	1.34
5/30/2000	27.67	7.13
5/2/2000	22.55	4.31
4/4/2000	19.40	3.86
2/29/2000	17.80	4.50
2/1/2000	8.75	7.27

Appendix G2 – Land Use

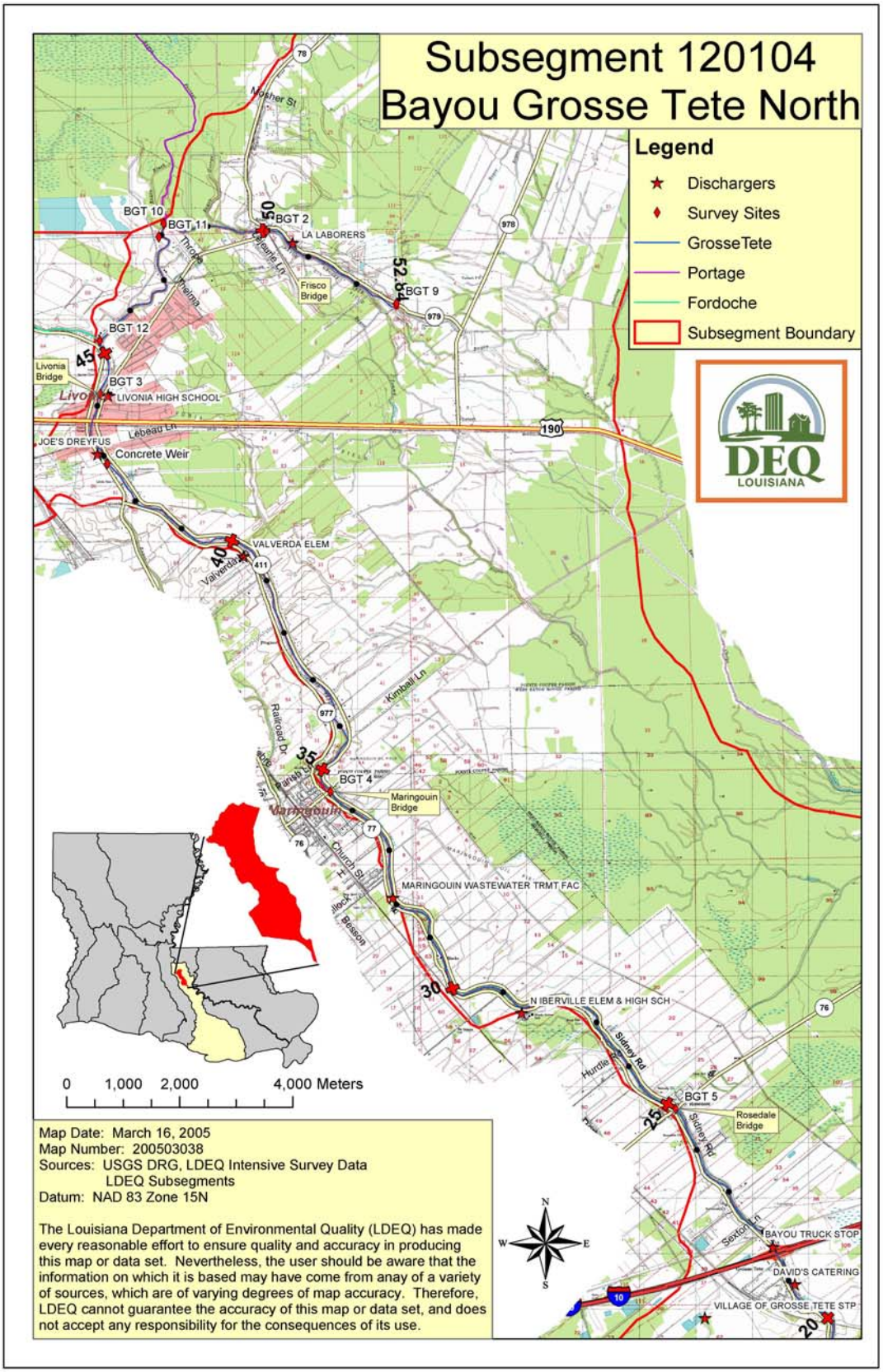
Land Use Summary

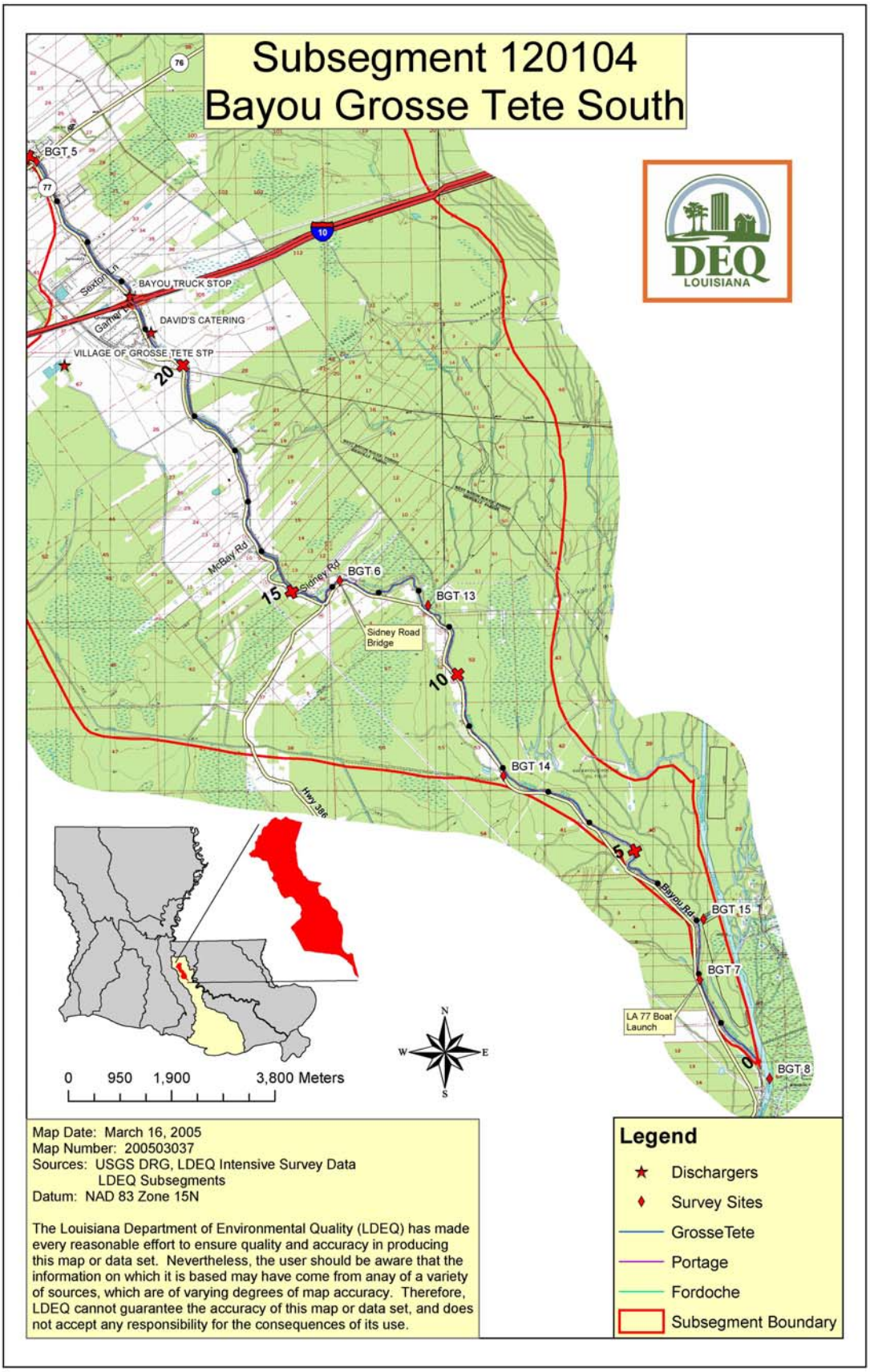
Subsegment 120104, including former 120101 and 120112
Data Source Name: LA-GAP June 2000

Grid Name	*Area (Acres)*	*% Land Use*
Agriculture/Cropland/Grassland	81771.34	53.31
Wetland Forest Deciduous	60458.61	39.42
Water	6145.87	4.01
Vegetated Urban	1878.79	1.22
Wetland S/S Mixed	1719.33	1.12
Upland Forest Evergreen	459.24	0.30
Upland Forest Deciduous	317.36	0.21
Wetland S/S Deciduous	226.62	0.15
Upland S/S Mixed	147.23	0.10
Upland Forest Mixed	108.97	0.07
Fresh Marsh	76.73	0.05
Non-Vegetated Urban	51.59	0.03
Upland S/S Deciduous	11.34	0.01
Upland S/S Evergreen	8.67	0.01
Wetland Barren	3.56	0.00

Appendix H – Maps and Diagrams

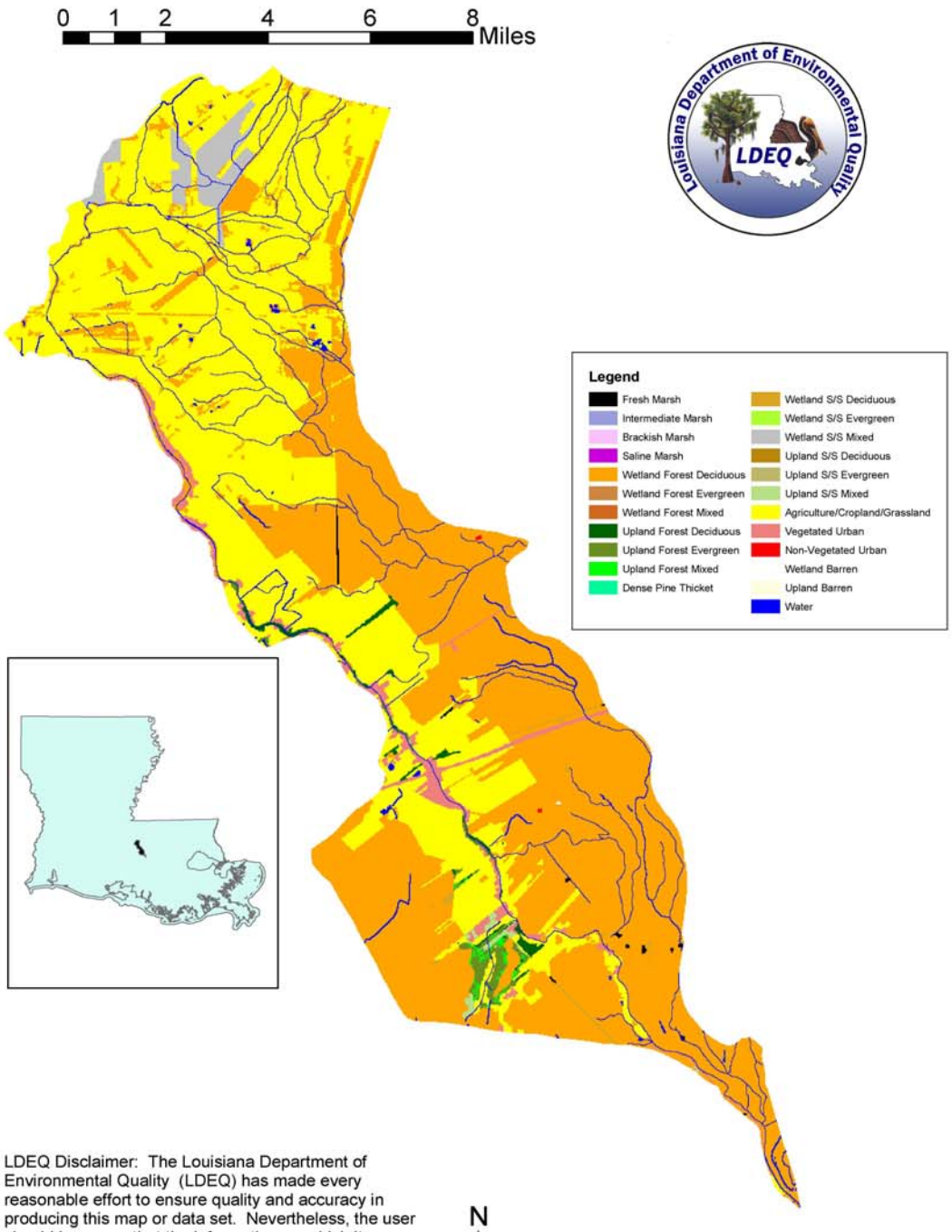
Appendix H1 – Overview Map


Subsegment 120104
Bayou Grosse Tete North
Legend
Dischargers
Survey Sites
GrosseTete
Portage
Fordoche
Subsegment Boundary
DEQ
LOUISIANA
BGT 10
BGT 11
BGT 2
LA LABORERS
BGT 9
BGT 12
BGT 3
LIVONIA HIGH SCHOOL
Livonia Bridge
JOE'S DREYFUS
Concrete Weir
VALVERDA ELEM
BGT 4
Maringouin Bridge
MARINGOUIN WASTEWATER TRMT FAC
N IBERVILLE ELEM & HIGH SCH
BGT 5
Rosedale Bridge
BAYOU TRUCK STOP
DAVID'S CATERING
VILLAGE OF GROSSE TETE STP
Frisco Bridge
Thelma Ln
Lebeau Ln
Railroad Dr
Kimball Ln
Church St
Sidney Rd
Hurdle
Sexton Ln
0 1,000 2,000 4,000 Meters
Map Date: March 16, 2005
Map Number: 200503038
Sources: USGS DRG, LDEQ Intensive Survey Data
LDEQ Subsegments
Datum: NAD 83 Zone 15N
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 anay of a variety of sources, which are of varying degrees of map accuracy. Therefore, LDEQ cannot guarantee the accuracy of this map or data set, and does not accept any responsibility for the consequences of its use.


Subsegment 120104
Bayou Grosse Tete South
DEQ
LOUISIANA
BGT 5
BAYOU TRUCK STOP
DAVID'S CATERING
VILLAGE OF GROSSE TETE STP
20
McBay Rd
Sidney Rd
15
BGT 6
BGT 13
Sidney Road Bridge
10
BGT 14
Hwy 386
5
Bayou Rd
BGT 15
BGT 7
LA 77 Boat Launch
0
BGT 8
N
W
E
S
0 950 1,900 3,800 Meters
Map Date: March 16, 2005
Map Number: 200503037
Sources: USGS DRG, LDEQ Intensive Survey Data
LDEQ Subsegments
Datum: NAD 83 Zone 15N
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 anay of a variety of sources, which are of varying degrees of map accuracy. Therefore, LDEQ cannot guarantee the accuracy of this map or data set, and does not accept any responsibility for the consequences of its use.
Legend
Dischargers
Survey Sites
GrosseTete
Portage
Fordoche
Subsegment Boundary

Appendix H2 – Land Use Map

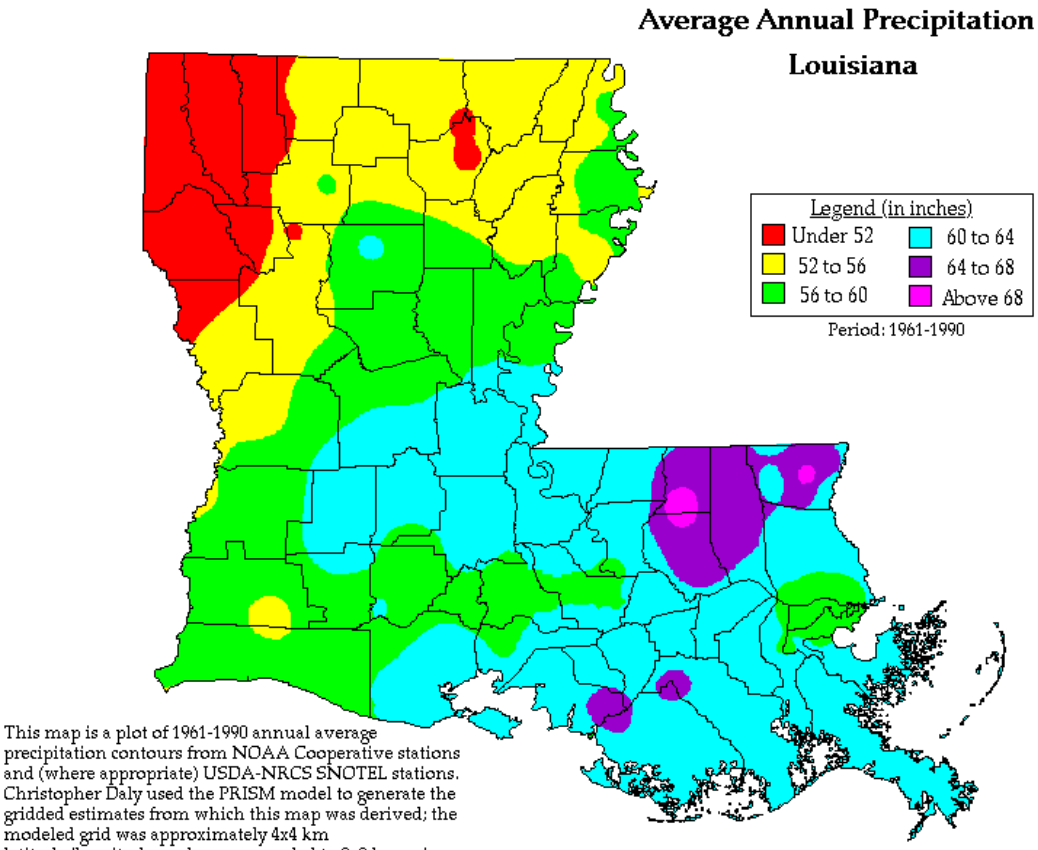
LDEQ Basin Subsegment 120104 - Bayou Grosse Tete



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.

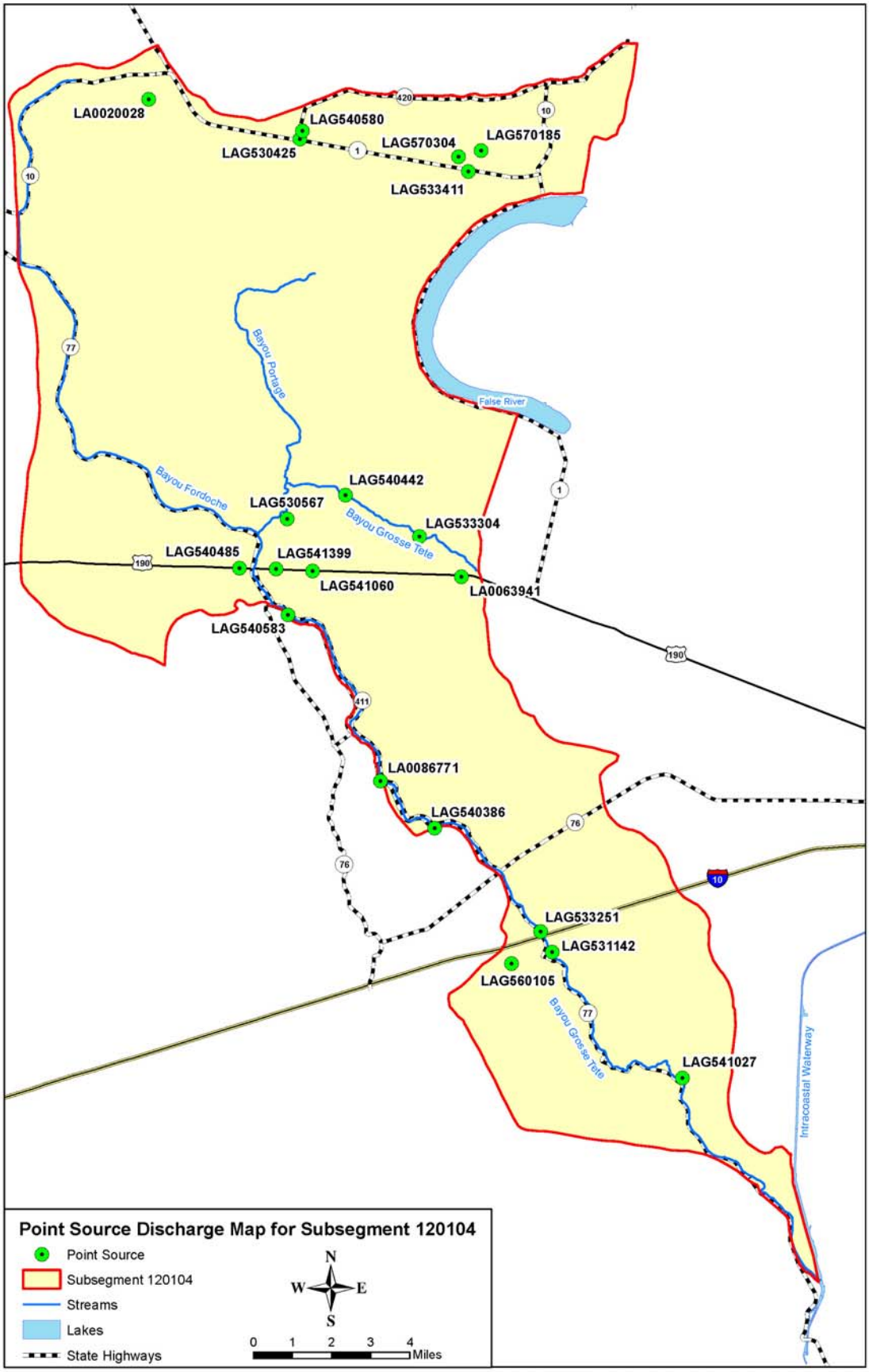
Map Date: August 12, 2004
Map Number: 200403132
Map Sources: LDEQ Basin-Subsegment data
USGS Louisiana GAP Data
Map Projection: UTM Zone 15; NAD 27

Appendix H3 – LA Precipitation Map



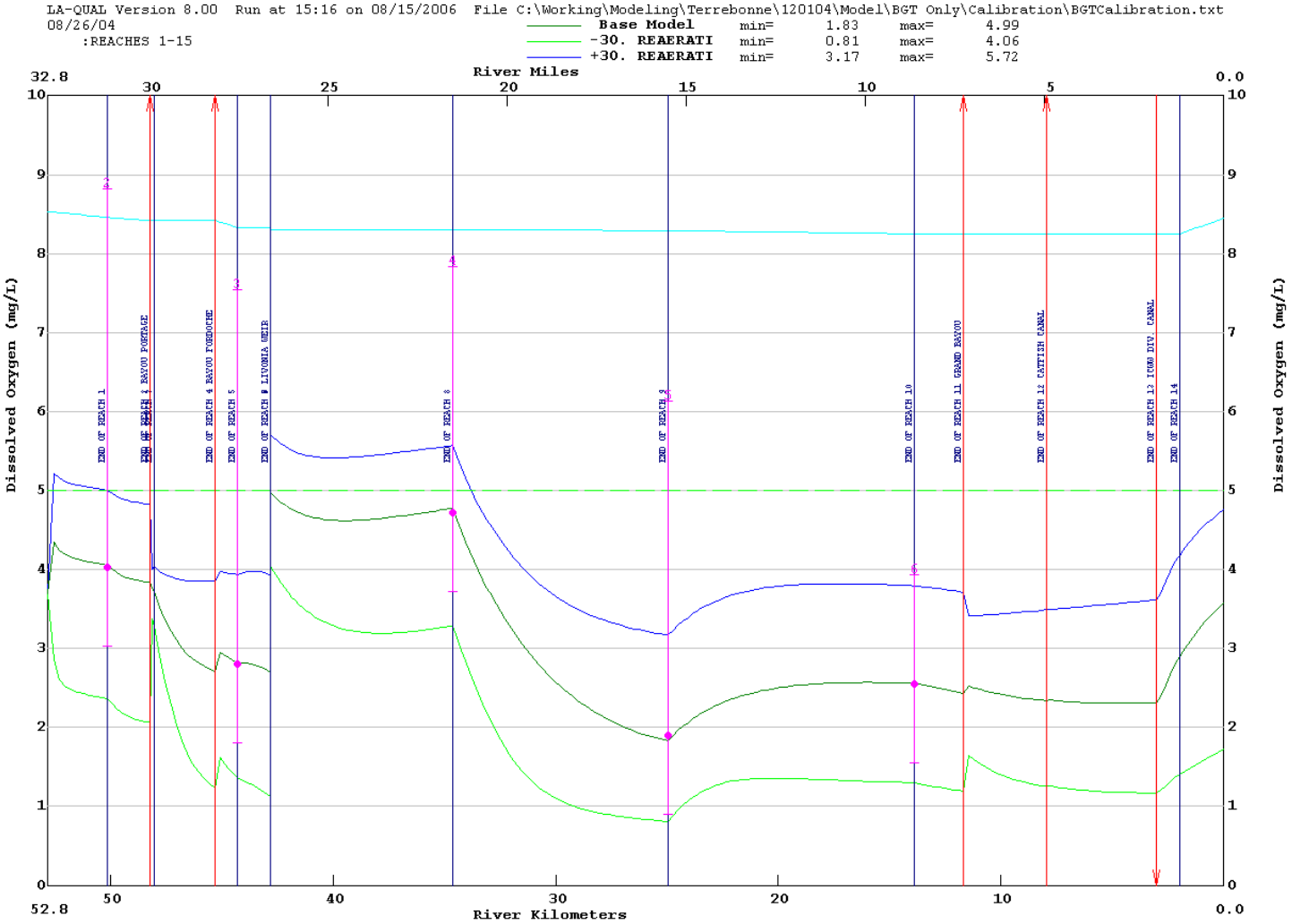
This map is a plot of 1961-1990 annual average precipitation contours from NOAA Cooperative stations and (where appropriate) USDA-NRCS SNOTEL stations. Christopher Daly used the PRISM model to generate the gridded estimates from which this map was derived; the modeled grid was approximately 4x4 km latitude/longitude, and was resampled to 2x2 km using a Gaussian filter. Mapping was performed by Jenny Weisburg. Funding was provided by USDA-NRCS National Water and Climate Center.

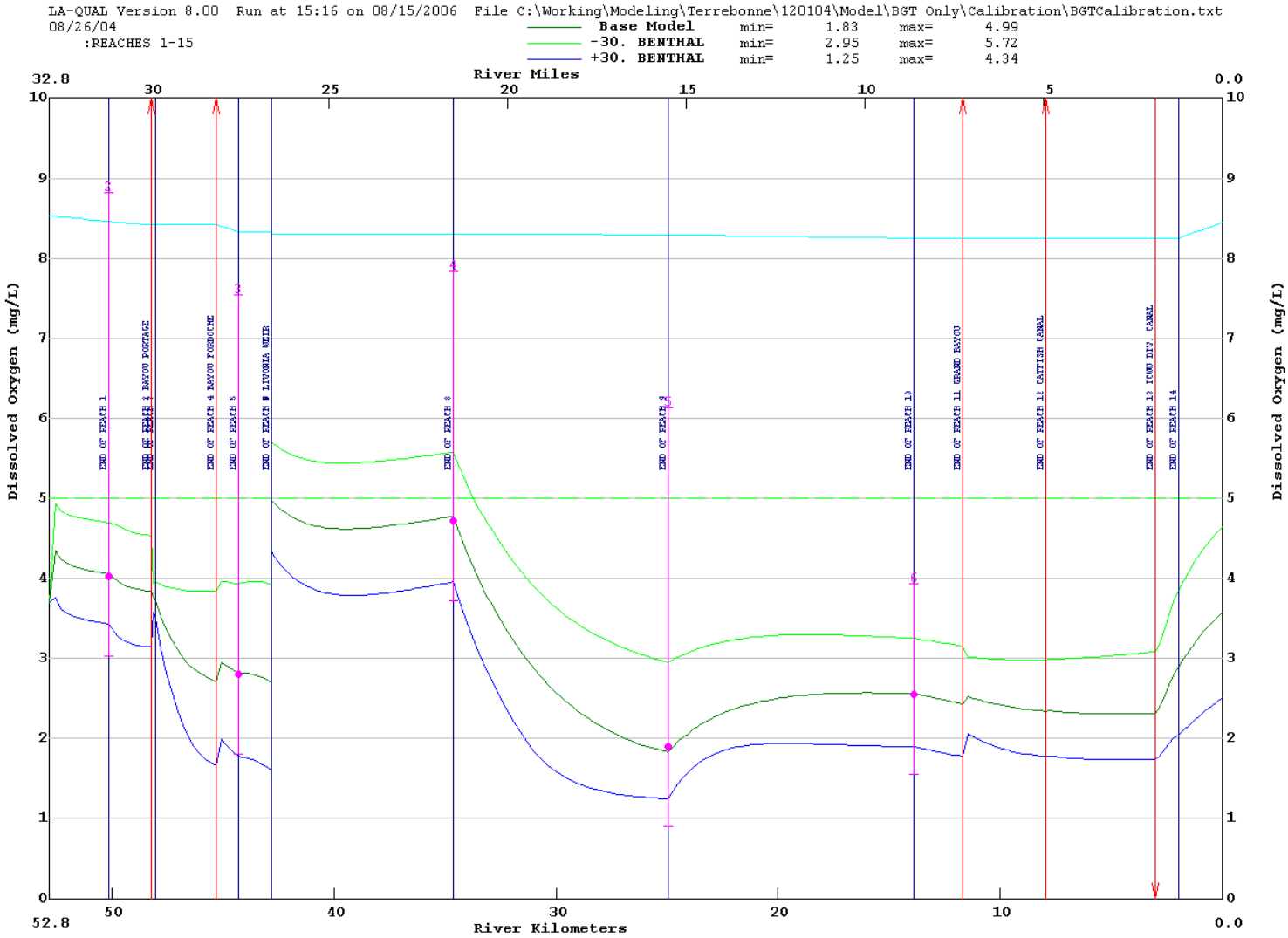
Appendix H4 – Point Source Discharge Map



Appendix I – Sensitivity Analysis

Appendix I1 – Sensitivity Output Graphs

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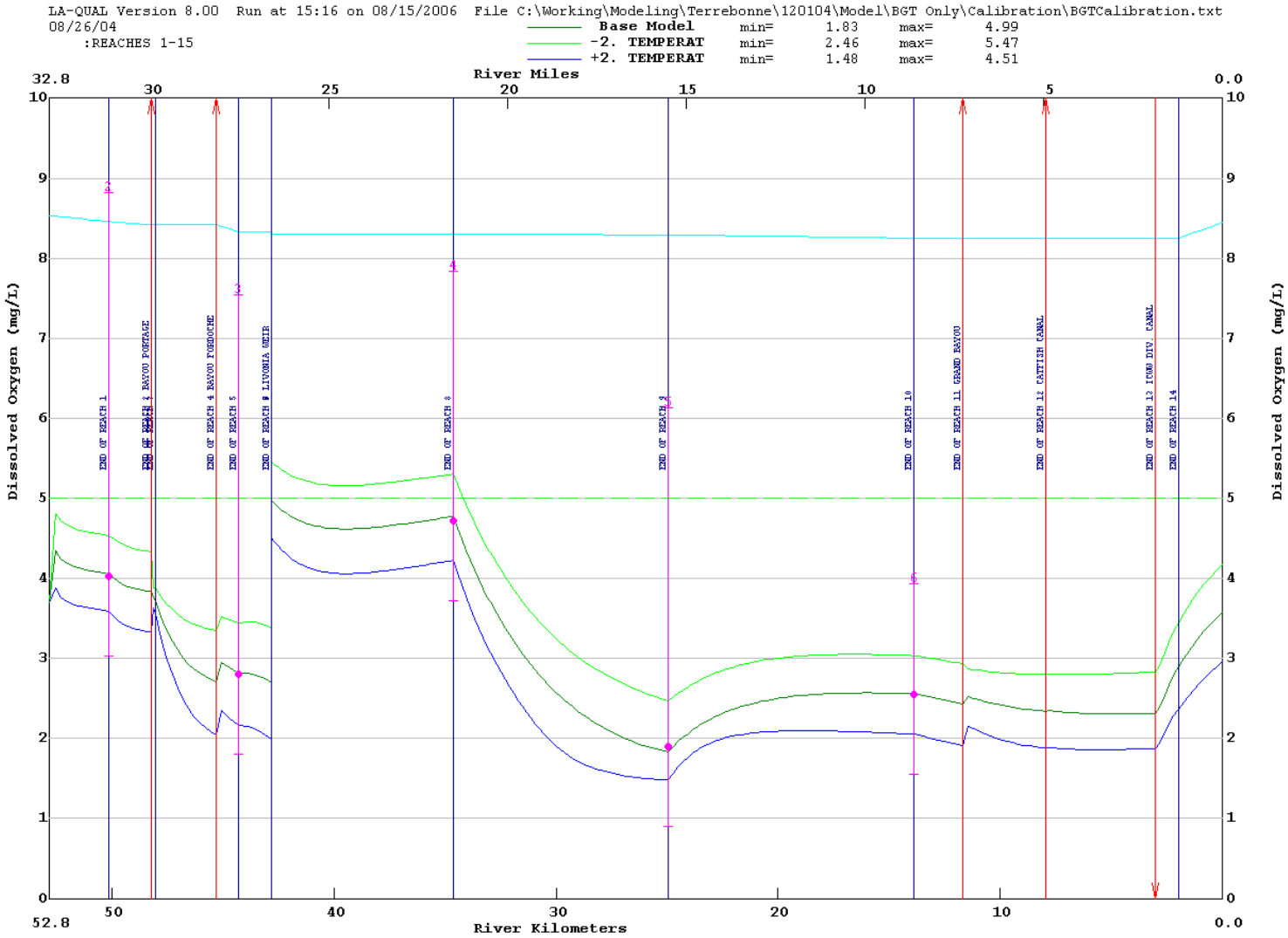
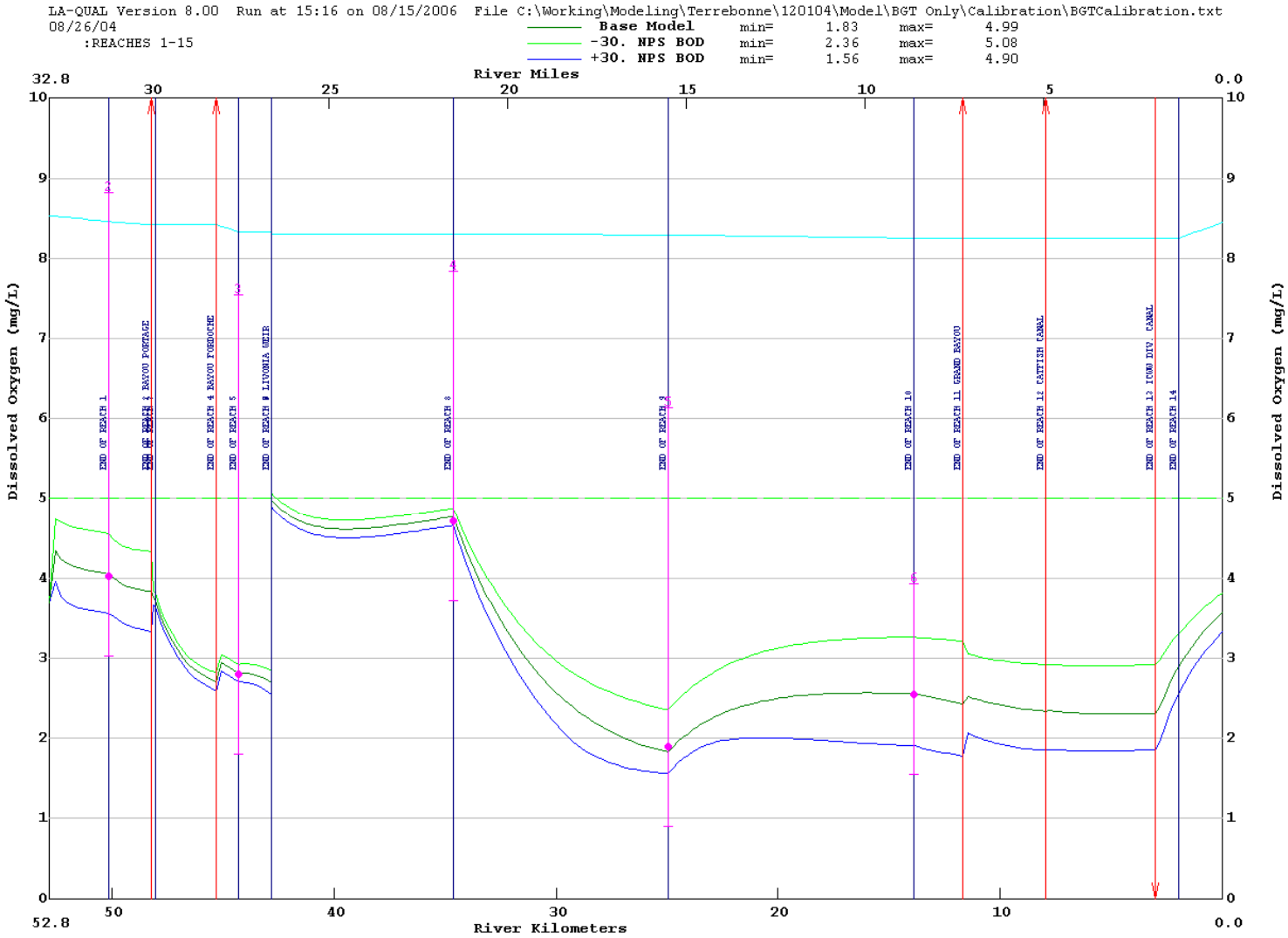
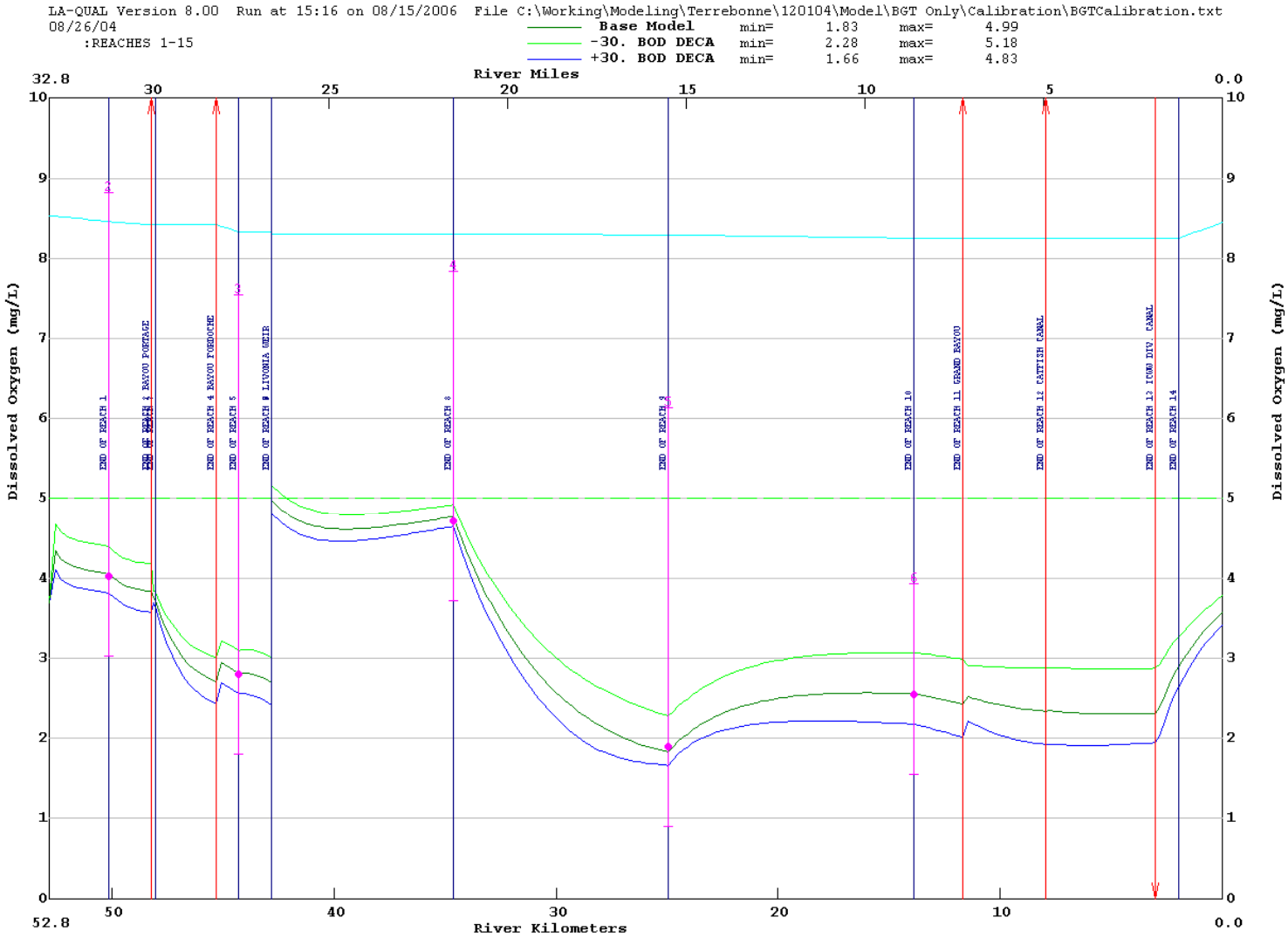
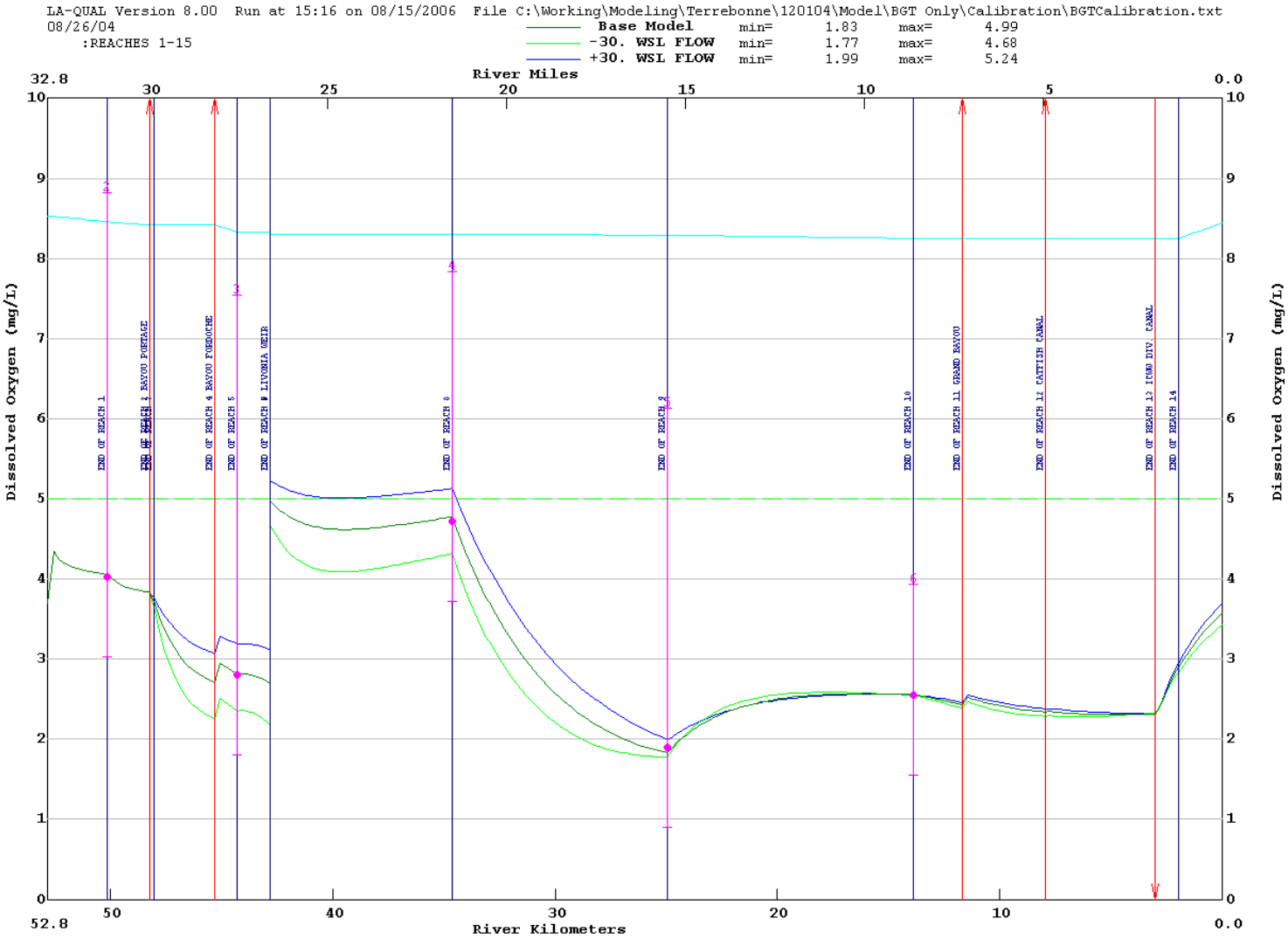
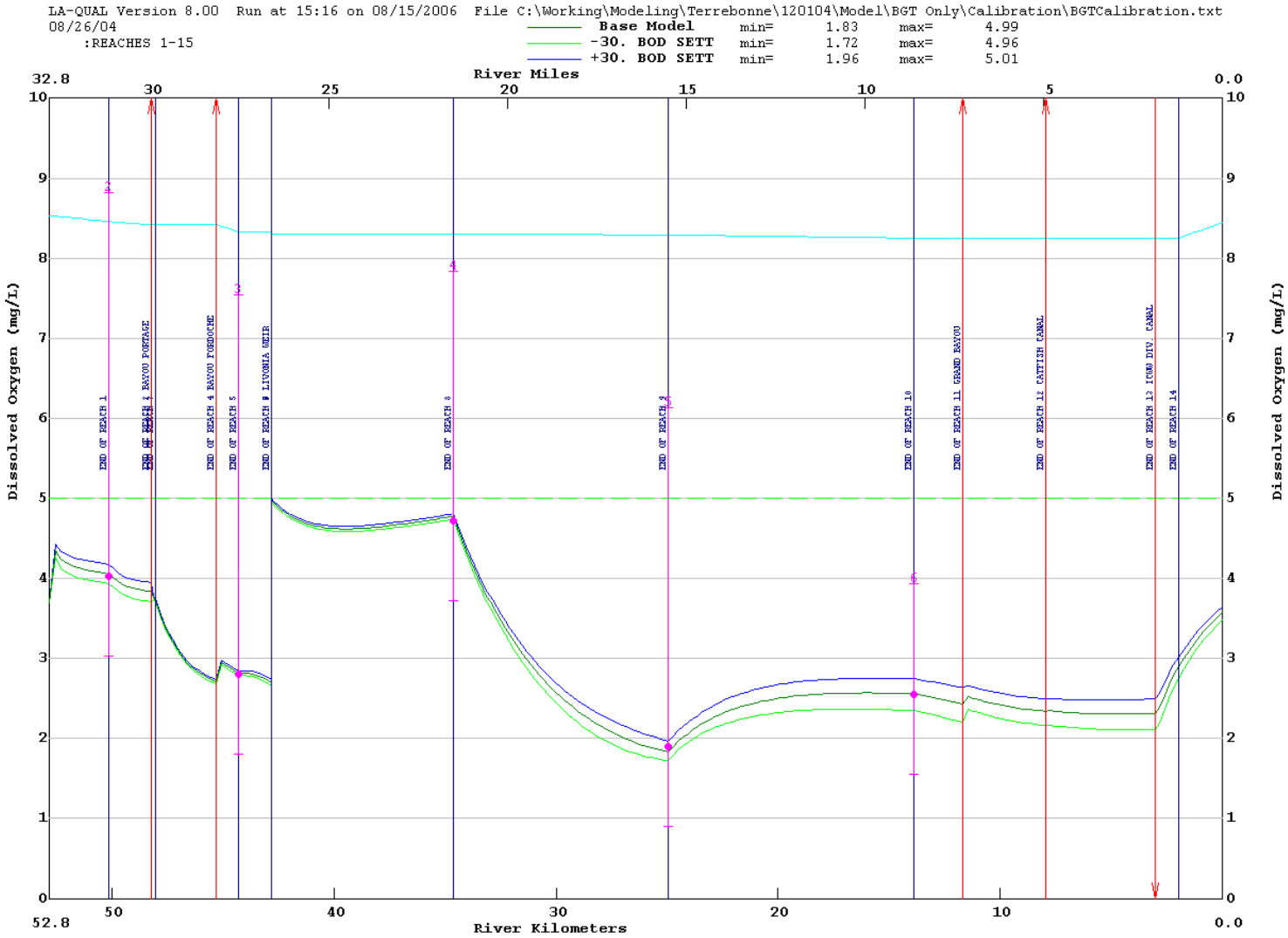
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. BENTHAL min= 2.95 max= 5.72
+30. BENTHAL min= 1.25 max= 4.34
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWO DIV. CANAL
END OF REACH 14

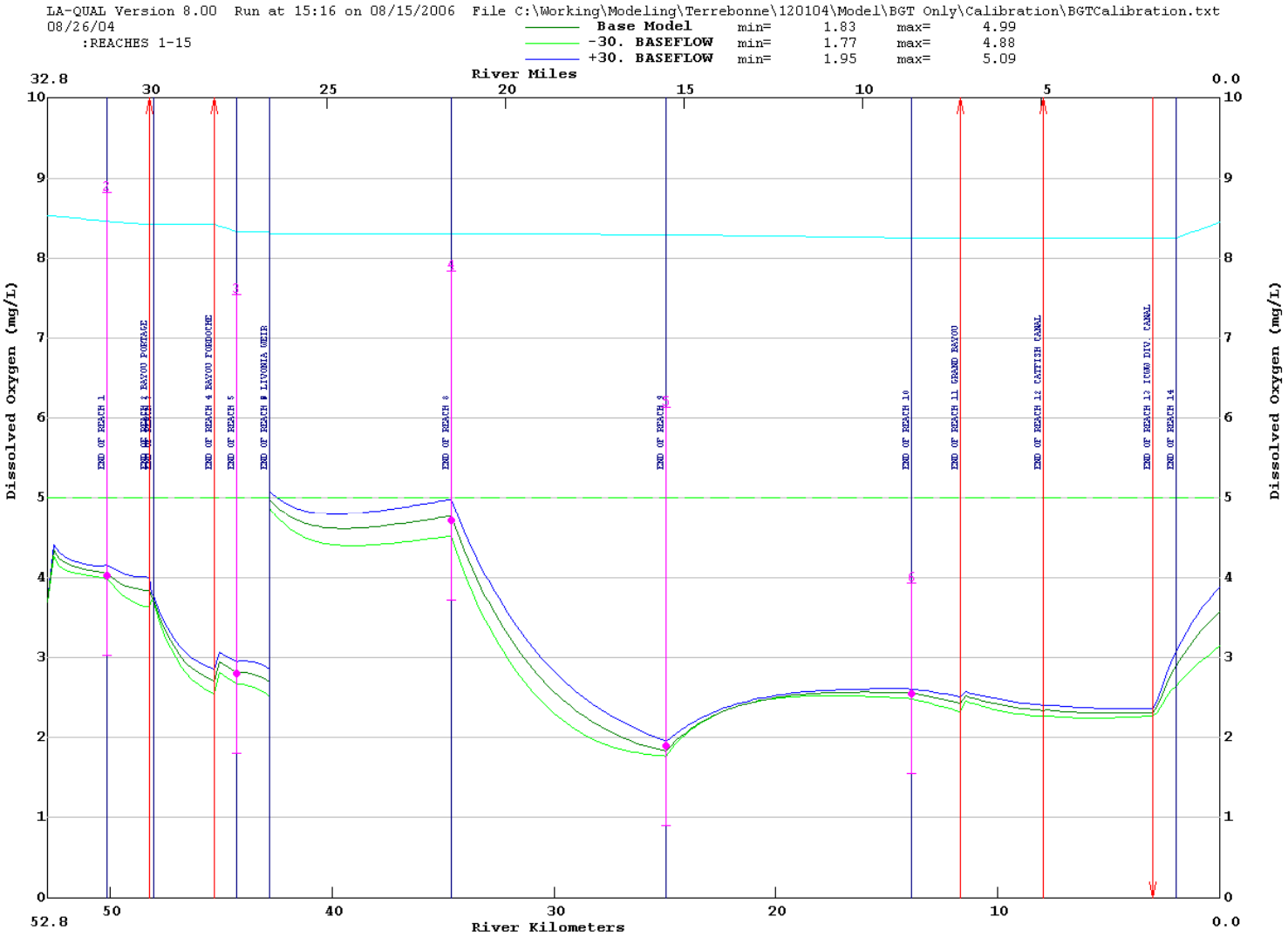

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-2. TEMPERAT min= 2.46 max= 5.47
+2. TEMPERAT min= 1.48 max= 4.51
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWN DIV. CANAL
END OF REACH 14

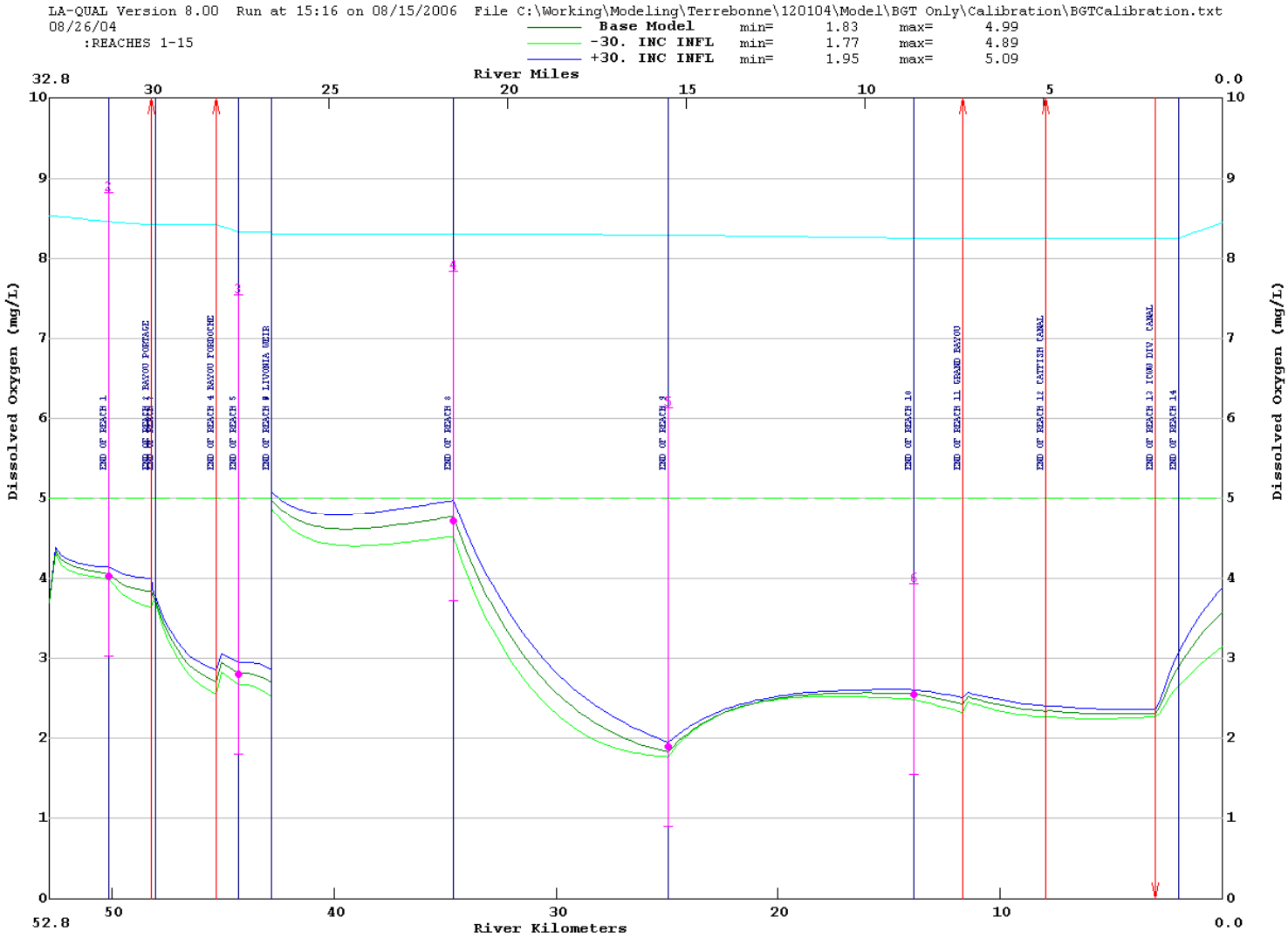

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. NPS BOD min= 2.36 max= 5.08
+30. NPS BOD min= 1.56 max= 4.90
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0

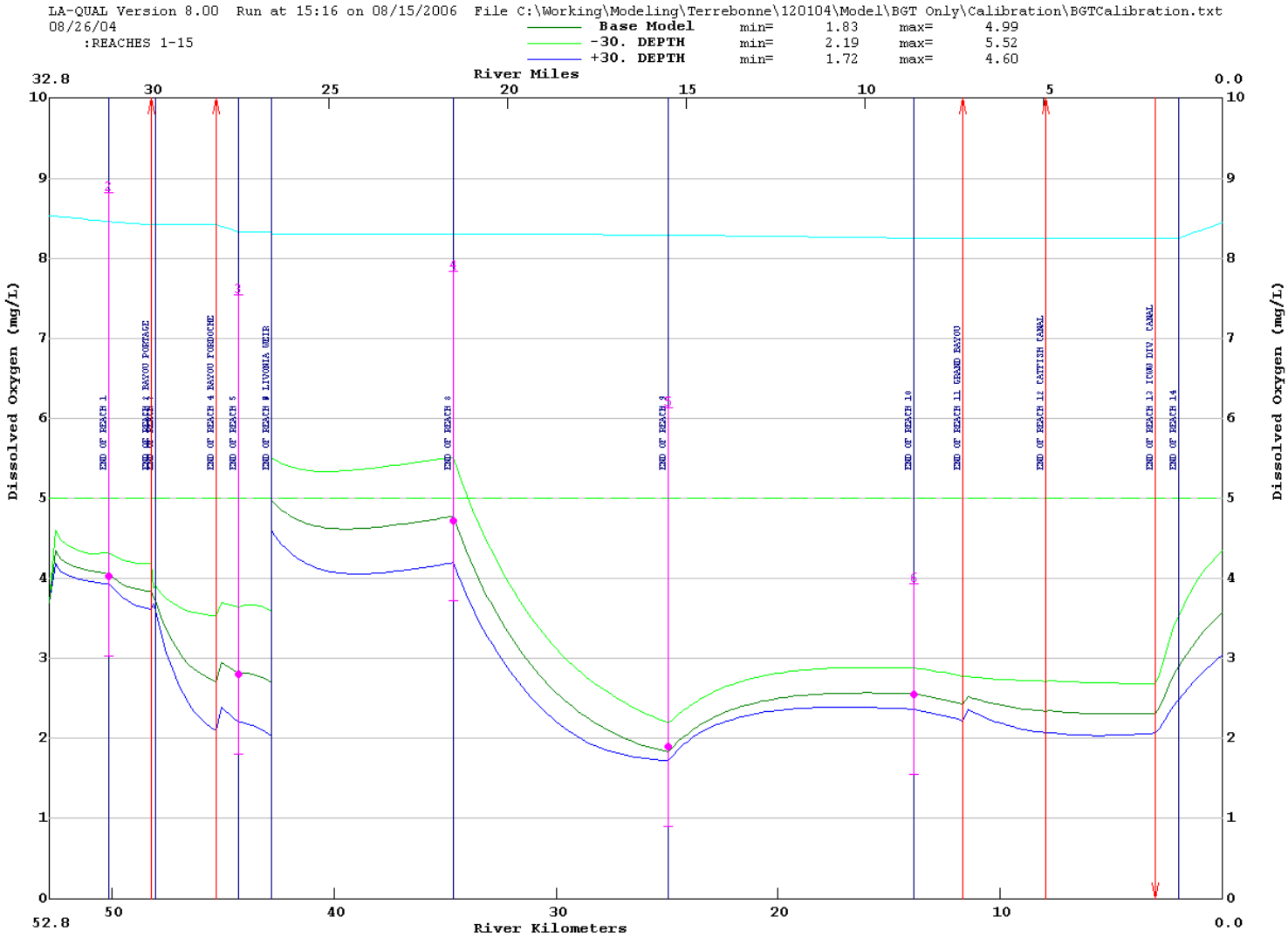

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. BOD DECA min= 2.28 max= 5.18
+30. BOD DECA min= 1.66 max= 4.83
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14

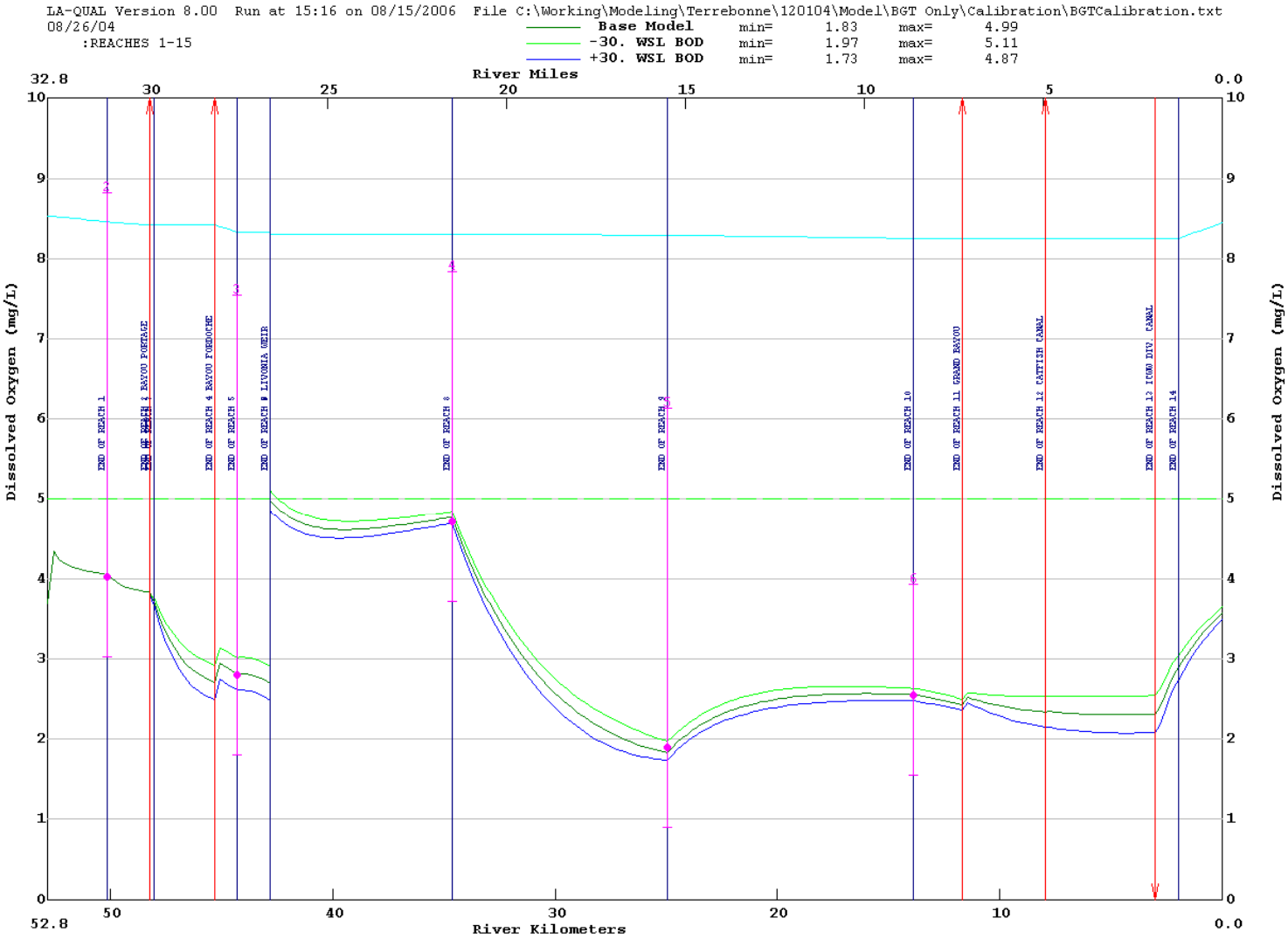

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. WSL FLOW min= 1.77 max= 4.68
+30. WSL FLOW min= 1.99 max= 5.24
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0

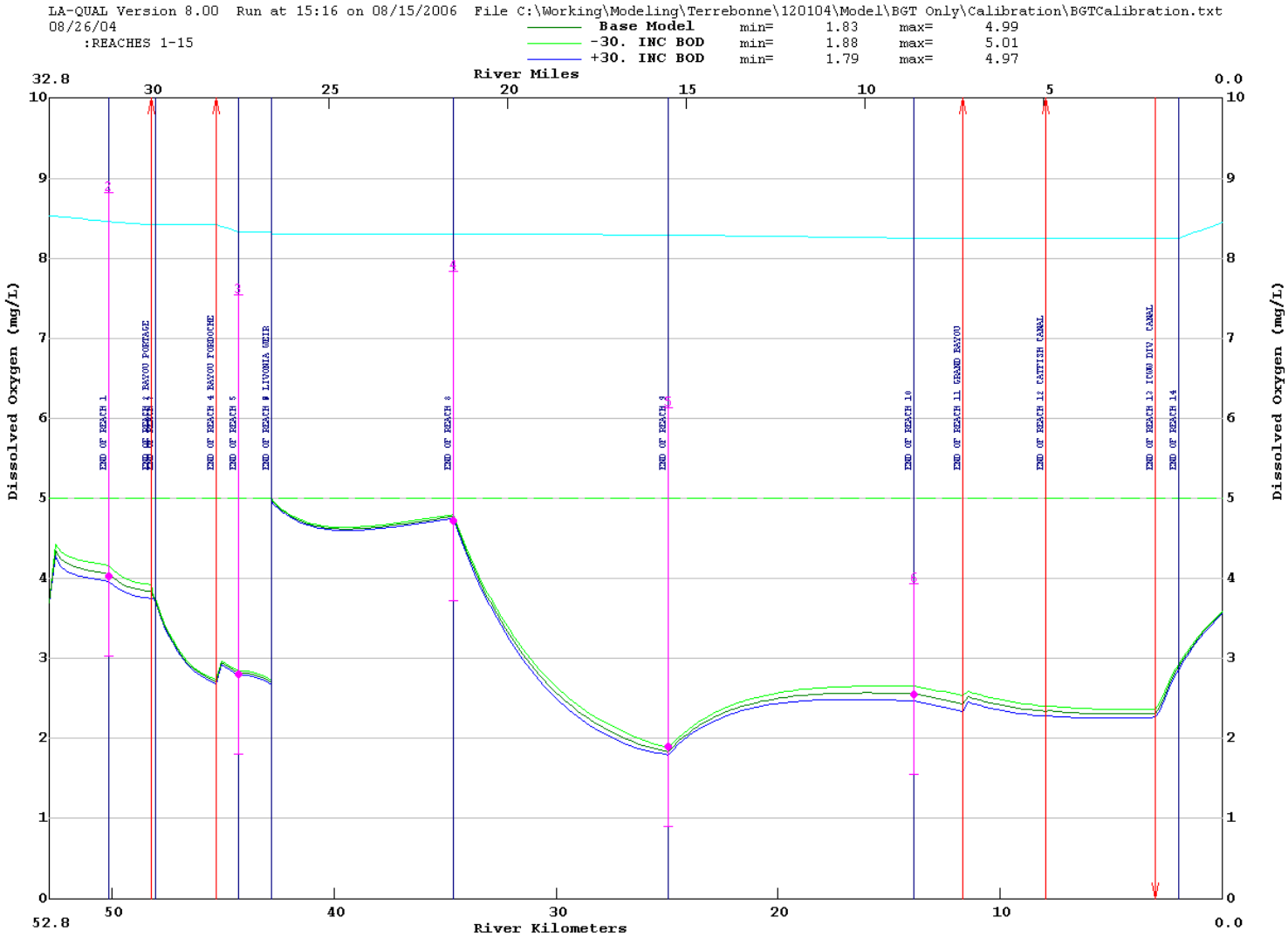

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. BOD SETT min= 1.72 max= 4.96
+30. BOD SETT min= 1.96 max= 5.01
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 8 LIVORNIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWO DIV. CANAL
END OF REACH 14

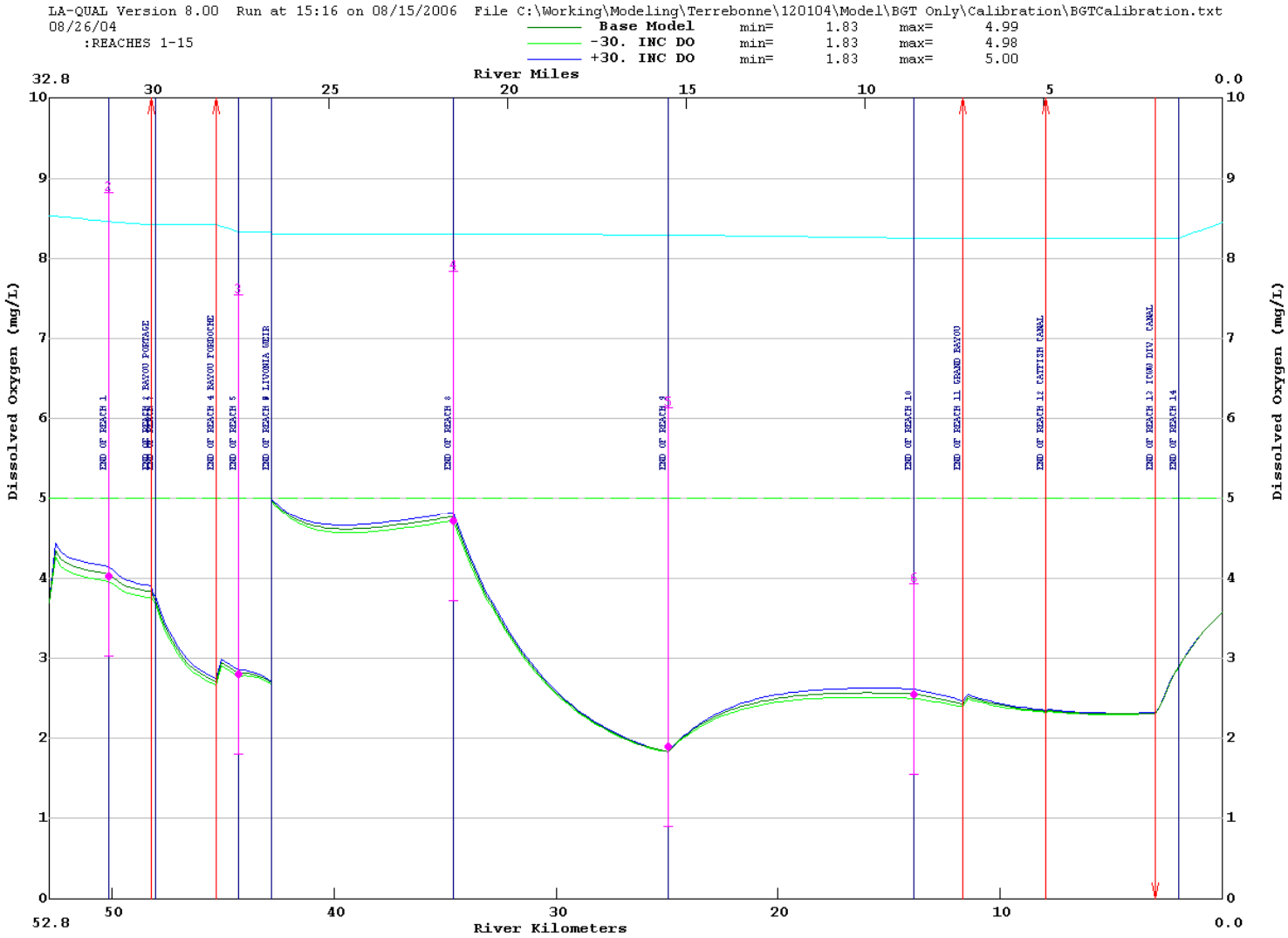

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. BASEFLOW min= 1.77 max= 4.88
+30. BASEFLOW min= 1.95 max= 5.09
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
END OF REACH 1
END OF REACH 2 BAYOU PORTAGE
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWN DIV. CANAL
END OF REACH 14
52.8
50
40
30
20
10
0.0
River Kilometers

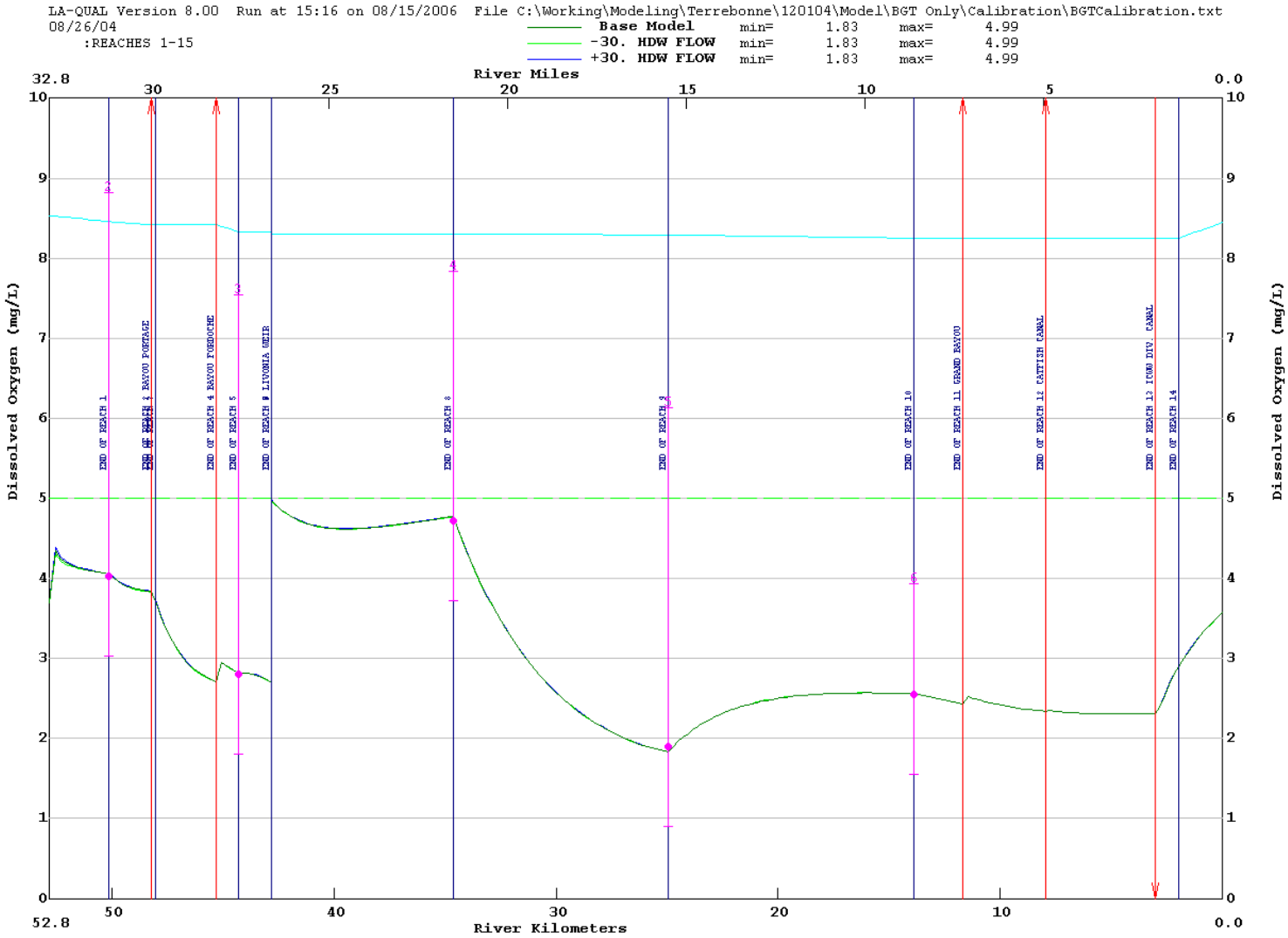

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. INC INFL min= 1.77 max= 4.89
+30. INC INFL min= 1.95 max= 5.09
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWN DIV. CANAL
END OF REACH 14

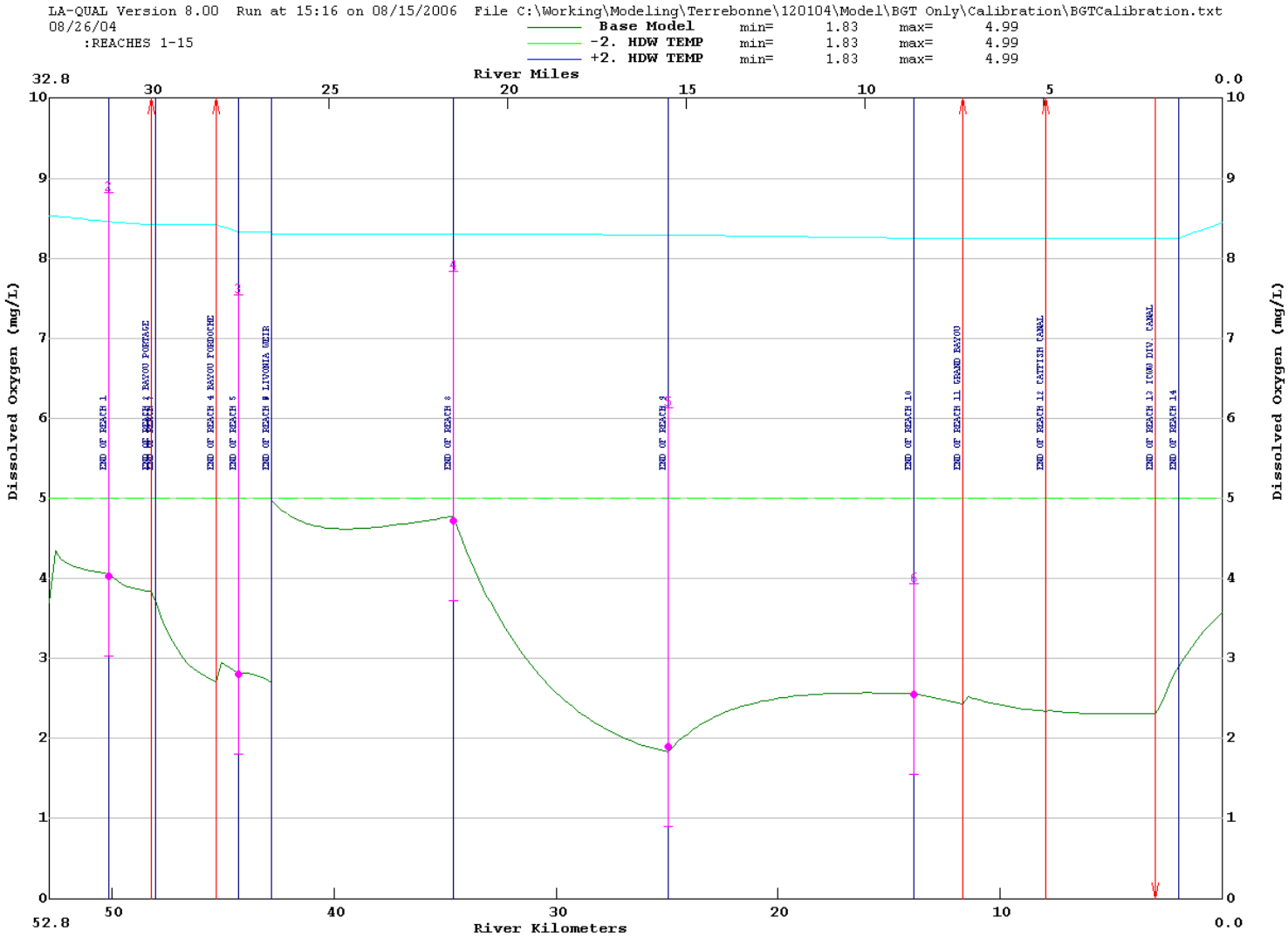

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. DEPTH min= 2.19 max= 5.52
+30. DEPTH min= 1.72 max= 4.60
River Miles
River Kilometers
Dissolved Oxygen (mg/L)
Dissolved Oxygen (mg/L)
32.8
30
25
20
15
10
5
0.0
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6 LIVORNIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWO DIV. CANAL
END OF REACH 14

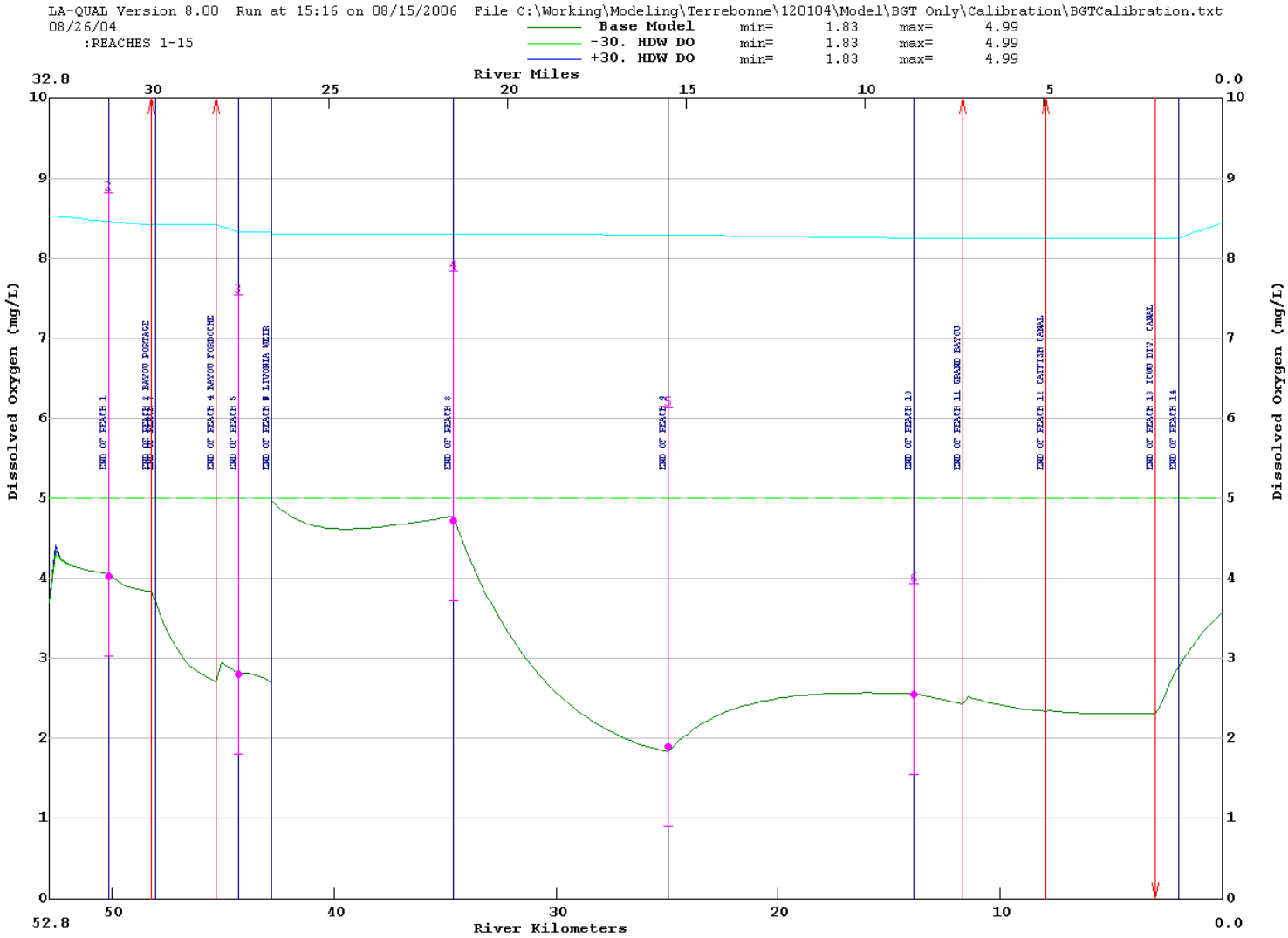

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. WSL BOD min= 1.97 max= 5.11
+30. WSL BOD min= 1.73 max= 4.87
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0

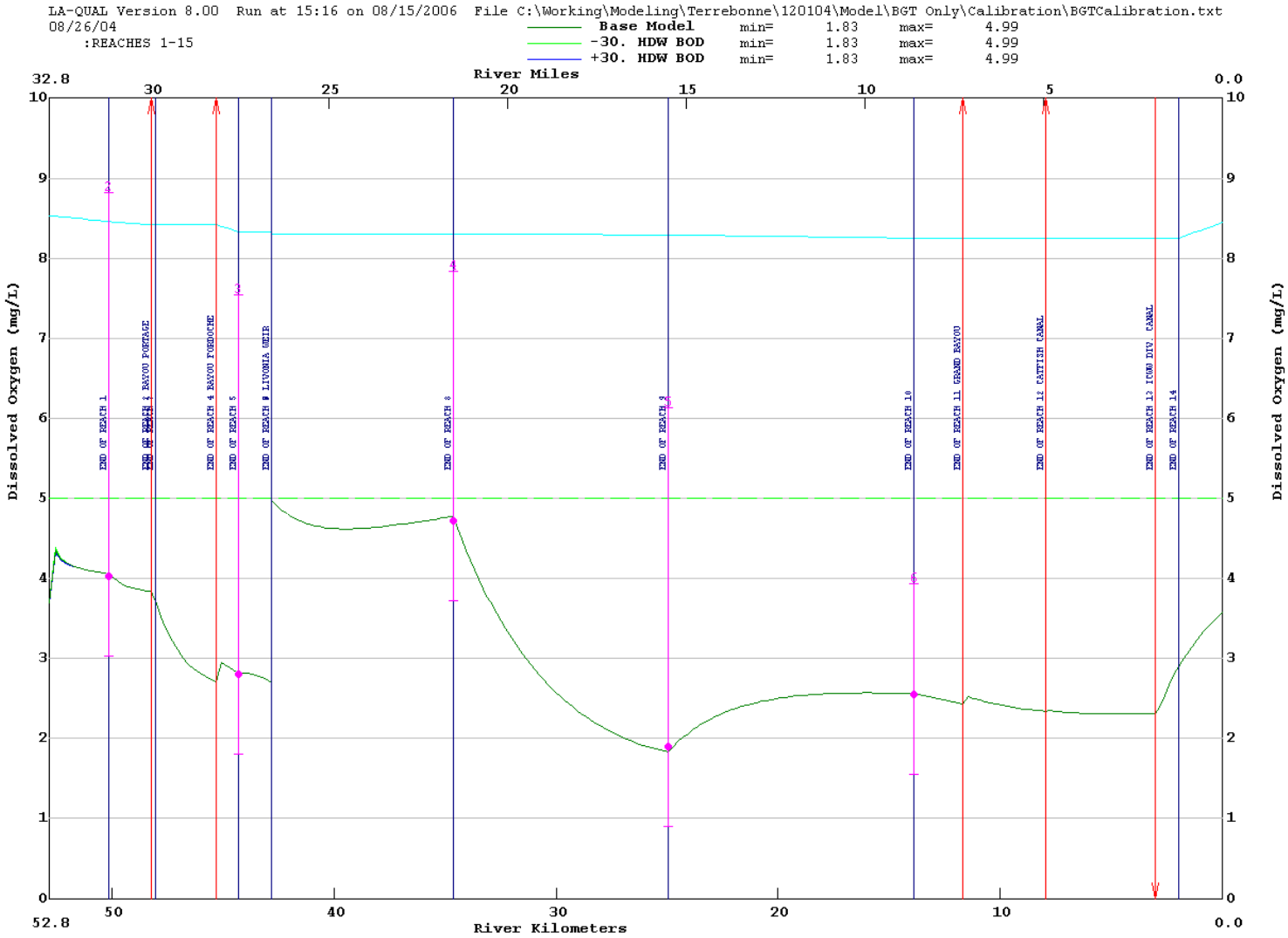

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. INC BOD min= 1.88 max= 5.01
+30. INC BOD min= 1.79 max= 4.97
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0

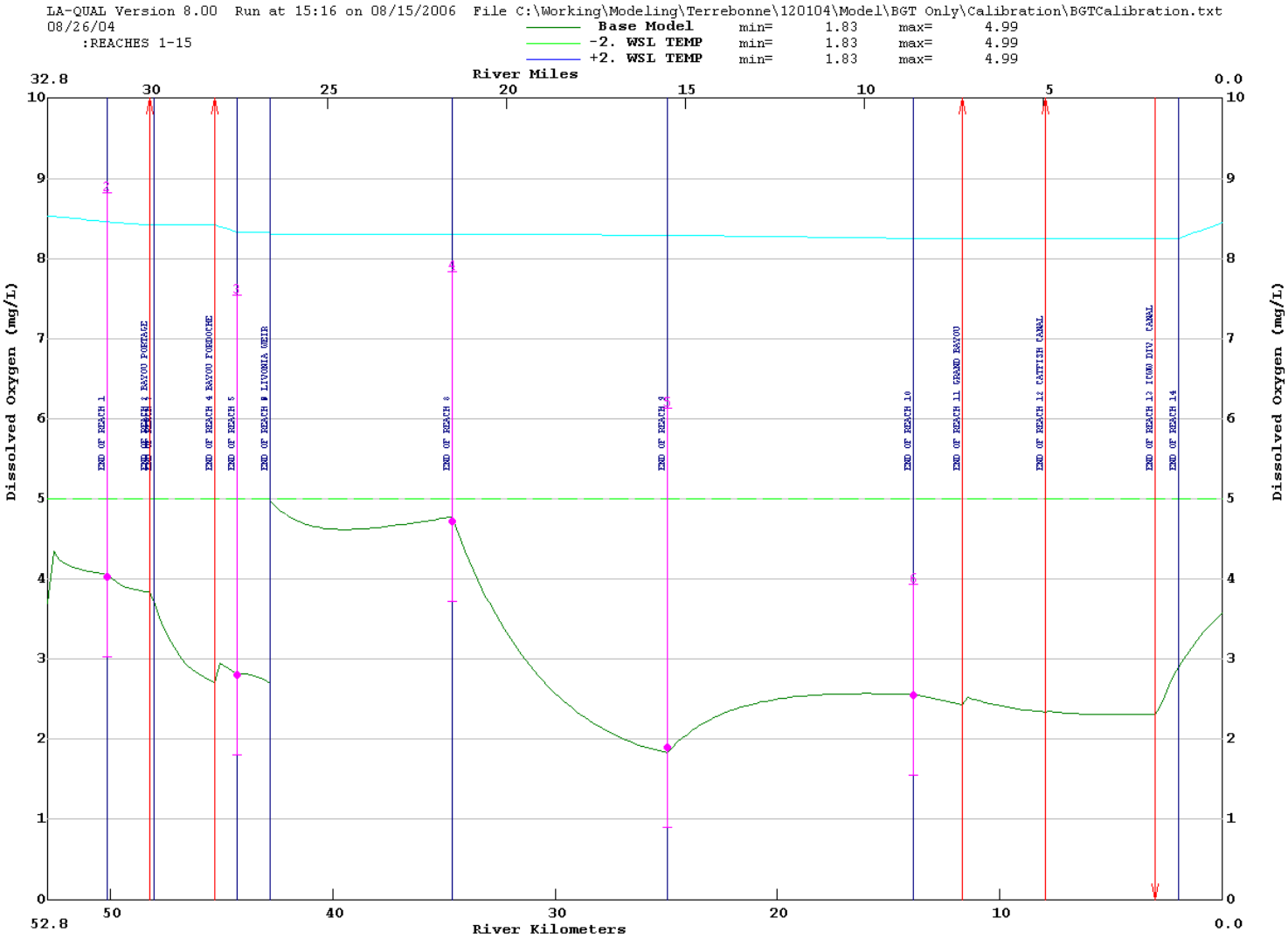

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. INC DO min= 1.83 max= 4.98
+30. INC DO min= 1.83 max= 5.00
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0

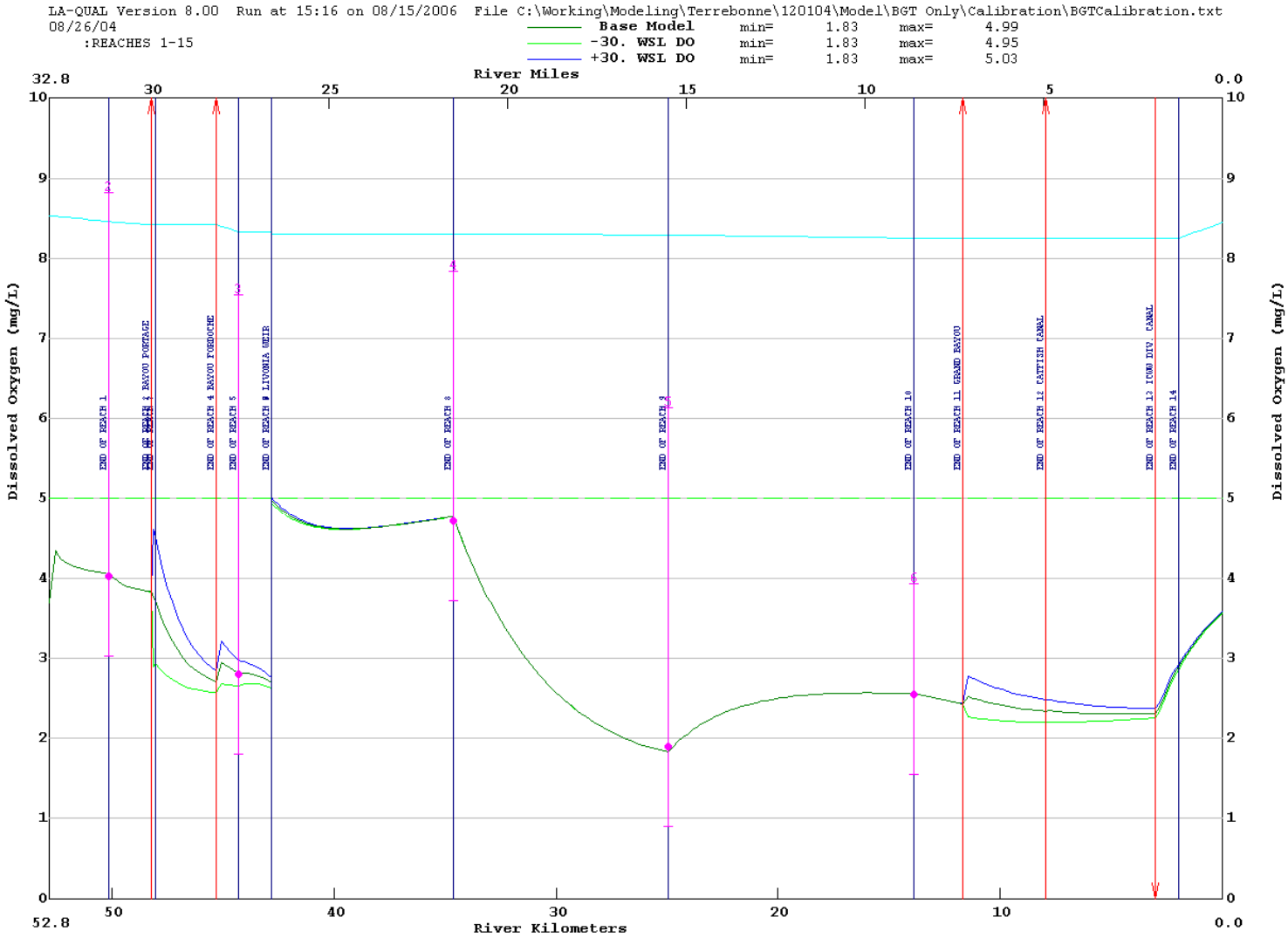

LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. HDW FLOW min= 1.83 max= 4.99
+30. HDW FLOW min= 1.83 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 7 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOMO DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-2. HDW TEMP min= 1.83 max= 4.99
+2. HDW TEMP min= 1.83 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWO DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. HDW DO min= 1.83 max= 4.99
+30. HDW DO min= 1.83 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0


LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. HDW BOD min= 1.83 max= 4.99
+30. HDW BOD min= 1.83 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORDOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 TOWN DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-2. WSL TEMP min= 1.83 max= 4.99
+2. WSL TEMP min= 1.83 max= 4.99
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0
END OF REACH 1
END OF REACH 4 BAYOU FORBOCHE
END OF REACH 5
END OF REACH 6 LIVONIA WEIR
END OF REACH 8
END OF REACH 9
END OF REACH 10
END OF REACH 11 GRAND BAYOU
END OF REACH 12 CATFISH CANAL
END OF REACH 13 ICWW DIV. CANAL
END OF REACH 14


LA-QUAL Version 8.00 Run at 15:16 on 08/15/2006 File C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
08/26/04
:REACHES 1-15
Base Model min= 1.83 max= 4.99
-30. WSL DO min= 1.83 max= 4.95
+30. WSL DO min= 1.83 max= 5.03
River Miles
32.8
30
25
20
15
10
5
0.0
Dissolved Oxygen (mg/L)
River Kilometers
52.8
50
40
30
20
10
0.0

Appendix I2 – Sensitivity Output Data Set

SENSITIVITY ANALYSIS SUMMARY

:REACHES 1-15
08/26/04

Plot 1 Base Model Minimum DO = 1.83

Parameter	%Param Chg	Min D.O.	%D.O. Chg	%Param Chg	Min D.O.	%D.O. Chg
Stream Baseflow	30.	1.95	6.6	-30.	1.77	-3.5
Stream Depth	30.	1.72	-6.0	-30.	2.19	19.6
Stream Reaeration	30.	3.17	73.0	-30.	0.81	-55.9
CBOD Aerobic Decay Rate	30.	1.66	-9.2	-30.	2.28	24.5
CBOD Settling Rate	30.	1.96	7.4	-30.	1.72	-6.0
Benthal Demand	30.	1.25	-32.0	-30.	2.95	60.9
Initial Temperature	2.	1.48	-19.3	-2.	2.46	34.6
Incremental Inflow	30.	1.95	6.5	-30.	1.77	-3.5
Incremental DO	30.	1.83	0.2	-30.	1.83	-0.2
Incremental CBOD	30.	1.79	-2.1	-30.	1.88	2.8
Headwater Flow	30.	1.83	0.0	-30.	1.83	0.0
Headwater Temperature	2.	1.83	0.0	-2.	1.83	0.0
Headwater DO	30.	1.83	0.0	-30.	1.83	0.0
Headwater CBOD	30.	1.83	0.0	-30.	1.83	0.0
Wasteload Flow	30.	1.99	8.8	-30.	1.77	-3.3
Wasteload Temperature	2.	1.83	0.0	-2.	1.83	0.0
Wasteload DO	30.	1.83	0.0	-30.	1.83	0.0
Wasteload CBOD	30.	1.73	-5.3	-30.	1.97	7.6
Non-Point Source CBOD	30.	1.56	-14.9	-30.	2.36	28.7

```
CNTROL01     BAYOU GROSS TETE CALIBRATION
CNTROL02     08/26/04
CNTROL12 YES METRIC UNITS
ENDATA01
MODOPT01  NO TEMPERATURE
MODOPT02  NO SALINITY
MODOPT03 YES CONSERVATIVE MATERIAL  I = CHLORIDES                  IN MG/L
MODOPT04 YES CONSERVATIVE MATERIAL II = SULFATES                   IN MG/L
MODOPT05 YES DISSOLVED OXYGEN
MODOPT06 YES BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07  NO BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08  NO NITROGEN
MODOPT09  NO PHOSPHORUS
MODOPT10  NO CHLOROPHYLL A
MODOPT11  NO MACROPHYTES
MODOPT12  NO COLIFORM
MODOPT13  NO NONCONSERVATIVE MATERIAL
ENDATA02
PROGRAM  KL MINIMUM                          =     0.7
PROGRAM  MAXIMUM ITERATION LIMIT             =  1000.0
PROGRAM  INHIBITION CONTROL VALUE            =     3.0
! Effective BOD due to algae value is within the range
! suggested in the LAQUAL User's Manual (ver. 5.01, rev. G, 6/27/2001)
PROGRAM  EFFECTIVE BOD DUE TO ALGAE          =     0.15
! Set to zero because of high diurnal DO changes
PROGRAM  ALGAE OXYGEN PRODUCTION             =     0.00
PROGRAM  K2 MAXIMUM                          =    25.0
PROGRAM  HYDRAULIC CALCULATION METHOD        =     2.0
PROGRAM  SETTLED RATE UNITS                  =     2.0
ENDATA03
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
ENDATA04
ENDATA05
ENDATA06
ENDATA07
!Reach Identification Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -- ******************************----------*********----------
REACH ID    1  GT   FALSE R CANAL-BGT 2               52.84     50.15     0.269
```

```
REACH ID    2  GT   BGT 2-B. PORTAGE                  50.15     48.26     0.210
REACH ID    3  GT   B. PORTAGE-UNNAMED CANAL          48.26     48.06     0.100
REACH ID    4  GT   UNNAMED CANAL-B. FORDOCHE         48.06     45.31     0.250
REACH ID    5  GT   B. FORDOCHE-BGT 3                45.31     44.30     0.202
REACH ID    6  GT   BGT 3-BGT 3A                     44.30     42.85     0.145
REACH ID    7  GT   BGT 3A-BGT 3B                    42.85     42.84     0.010
REACH ID    8  GT   BGT 3B-BGT 4                     42.84     34.63     0.1642
REACH ID    9  GT   BGT 4-BGT 5                      34.63     24.95     0.1936
REACH ID   10  GT   BGT 5-BGT 6                      24.95     13.90     0.221
REACH ID   11  GT   BGT 6-GRAND BAYOU                13.90     11.68     0.222
REACH ID   12  GT   GRAND BAYOU-CATFISH CANAL        11.68      7.93     0.250
REACH ID   13  GT   CATFISH CANAL-ICWW DIVERSION      7.93      3.02     0.1964
REACH ID   14  GT   ICWW DIVERSION-BGT 7             3.02      1.96     0.212
REACH ID   15  GT   BGT 7-INTRACOASTAL WATERWAY      1.96      0.00     0.245
ENDATA08
!Advective Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******--------*******
HYDR-1      1  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      2  0.0000 0.0000  32.92 0.0000  0.000  0.811   0.0001  0.035
HYDR-1      3  0.0000 0.0000  34.00 0.0000  0.000  0.825   0.0001  0.035
HYDR-1      4  0.0000 0.0000  36.00 0.0000  0.000  0.835   0.0001  0.035
HYDR-1      5  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      6  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      7  0.0000 0.0000  37.80 0.0000  0.000  0.847   0.0001  0.035
HYDR-1      8  0.0000 0.0000  22.71 0.0000  0.000  0.631   0.0001  0.035
HYDR-1      9  0.0000 0.0000  20.73 0.0000  0.000  1.283   0.0001  0.035
HYDR-1     10  0.0000 0.0000  22.00 0.0000  0.000  1.400   0.0001  0.035
HYDR-1     11  0.0000 0.0000  23.16 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     12  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     13  0.0000 0.0000  29.87 0.0000  0.000  1.554   0.0001  0.035
HYDR-1     14  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
HYDR-1     15  0.0000 0.0000  29.87 0.0000  0.000  0.655   0.0001  0.035
ENDATA09
!Dispersive Hydraulic Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----**********----------**********----------
ENDATA10
!Initial Conditions
```

```
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  --------********--------********--------********--------********
INITIAL     1     23.25     0.0   3.69    0.000   0.000   0.00  45.600   00.00
INITIAL     2     23.76     0.0   5.44    0.000   0.000   0.00  65.100   00.00
INITIAL     3     24.00     0.0   5.00    0.000   0.000   0.00  50.000   00.00
INITIAL     4     24.00     0.0   4.50    0.000   0.000   0.00  50.000   00.00
INITIAL     5     24.00     0.0   4.00    0.000   0.000   0.00  42.500   00.00
INITIAL     6     24.55     0.0   3.70    0.000   0.000   0.00  42.500   00.00
INITIAL     7     24.55     0.0   3.70    0.000   0.000   0.00  42.500   00.00
INITIAL     8     24.72     0.0   5.72    0.000   0.000   0.00  42.500   00.00
INITIAL     9     24.72     0.0   5.72    0.000   0.000   0.00  83.200   00.00
INITIAL    10     24.81     0.0   2.39    0.000   0.000   0.00  26.650   00.00
INITIAL    11     25.07     0.0   2.32    0.000   0.000   0.00  36.000   00.00
INITIAL    12     25.07     0.0   2.45    0.000   0.000   0.00  34.000   00.00
INITIAL    13     25.07     0.0   2.60    0.000   0.000   0.00  31.000   00.00
INITIAL    14     25.07     0.0   2.75    0.000   0.000   0.00  28.400   00.00
INITIAL    15     25.07     0.0   2.85    0.000   0.000   0.00  28.400   00.00
ENDATA11
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -----******-----  ******-------*******-------*******-------
COEF-1      1   15.0  0.00 0.0   0.0    1.350  0.121 0.05    0.00    0.0
COEF-1      2   15.0  0.00 0.0   0.0    1.500  0.107 0.05    0.00    0.0
COEF-1      3   15.0  0.00 0.0   0.0    3.000  0.102 0.05    0.00    0.0
COEF-1      4   15.0  0.00 0.0   0.0    3.750  0.098 0.05    0.00    0.0
COEF-1      5   15.0  0.00 0.0   0.0    3.750  0.095 0.05    0.00    0.0
COEF-1      6   15.0  0.00 0.0   0.0    3.500  0.093 0.05    0.00    0.0
COEF-1      7   15.0  0.00 0.0   0.0    2.000  0.098 0.05    0.00    0.0
COEF-1      8   15.0  0.00 0.0   0.0    3.250  0.105 0.05    0.00    0.0
COEF-1      9    4.0  0.00 0.0   0.0    2.250  0.106 0.05    0.00    0.0
COEF-1     10    4.0  0.00 0.0   0.0    1.350  0.099 0.05    0.00    0.0
COEF-1     11    4.0  0.00 0.0   0.0    1.400  0.093 0.05    0.00    0.0
COEF-1     12    4.0  0.00 0.0   0.0    1.500  0.090 0.05    0.00    0.0
COEF-1     13    4.0  0.00 0.0   0.0    1.600  0.086 0.05    0.00    0.0
COEF-1     14   15.0  0.00 0.0   0.0    3.500  0.084 0.05    0.00    0.0
COEF-1     15   15.0  0.00 0.0   0.0    3.500  0.082 0.05    0.00    0.0
ENDATA12
!Nitrogen and Phosphorus Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
```

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!         ***  -------*******-------*******-------*******-------
ENDATA13
!Algae and Macrophyte Coefficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******-------*******       -------*******
ENDATA14
!Coliform and Nonconservative Cofficients
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  -------*******-------*******
ENDATA15
!Incremental Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------*********
INCR-1      1    0.0     0.06000           0.0        3.50     5.0
INCR-1      2    0.0     0.04000           0.0        3.50     5.0
INCR-1      3    0.0     0.02500           0.0        3.50     5.0
INCR-1      4    0.0     0.05000           0.0        3.50     5.0
INCR-1      5    0.0     0.03000           0.0        3.50     5.0
INCR-1      6   -0.15    0.00000           0.0        0.00     0.0
INCR-1      7    0.0     0.00000           0.0        0.00     0.0
INCR-1      8    0.0     0.13000           0.0        3.50     5.0
INCR-1      9   -0.008   0.00000           0.0        0.00     0.0
INCR-1     10    0.0     0.22600           0.0        3.50     5.0
INCR-1     11    0.0     0.00000           0.0        0.00     0.0
INCR-1     12    0.0     0.00000           0.0        0.00     0.0
INCR-1     13    0.0     0.00000           0.0        0.00     0.0
INCR-1     14    0.0     0.00000           0.0        0.00     0.0
INCR-1     15    0.0     0.00000           0.0        0.00     0.0
ENDATA16
!Incremental Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!         ***  ---------*********---------*********---------
INCR-2      1      4.25    8.57     0.00     0.0      0.00
INCR-2      2      3.75    8.57     0.00     0.0      0.00
INCR-2      3      3.50    8.57     0.00     0.0      0.00
INCR-2      4      3.25    8.57     0.00     0.0      0.00
INCR-2      5      2.75    8.57     0.00     0.0      0.00
```

```
INCR-2      6      0.00    0.00     0.00     0.0      0.00
INCR-2      7      0.00    0.00     0.00     0.0      0.00
INCR-2      8      4.75    8.57     0.00     0.0      0.00
INCR-2      9      0.00    0.00     0.00     0.0      0.00
INCR-2     10      2.25    8.57     0.00     0.0      0.00
INCR-2     11      0.00    0.00     0.00     0.0      0.00
INCR-2     12      0.00    0.00     0.00     0.0      0.00
INCR-2     13      0.00    0.00     0.00     0.0      0.00
INCR-2     14      0.00    0.00     0.00     0.0      0.00
INCR-2     15      0.00    0.00     0.00     0.0      0.00
ENDATA17
!Incremental Data for Phosphorus, Chlorophyll, Coliform and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!         ***  ---------*********---------*********
INCR-3      1      0.000    0.000    0.000   0.0000
INCR-3      2      0.000    0.000    0.000   0.0000
INCR-3      3      0.000    0.000    0.000   0.0000
INCR-3      4      0.000    0.000    0.000   0.0000
INCR-3      5      0.000    0.000    0.000   0.0000
INCR-3      6      0.000    0.000    0.000   0.0000
INCR-3      7      0.000    0.000    0.000   0.0000
INCR-3      8      0.000    0.000    0.000   0.0000
INCR-3      9      0.000    0.000    0.000   0.0000
INCR-3     10      0.000    0.000    0.000   0.0000
INCR-3     11      0.000    0.000    0.000   0.0000
INCR-3     12      0.000    0.000    0.000   0.0000
INCR-3     13      0.000    0.000    0.000   0.0000
INCR-3     14      0.000    0.000    0.000   0.0000
INCR-3     15      0.000    0.000    0.000   0.0000
ENDATA18
!Nonpoint Source Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!234567890123456789012345678901234567890123456789012345678901234567890123456789
!         ***  ---------*********---------*********---------
NONPOINT    1    225.00     0.00    0.0      0.00     0.0
NONPOINT    2    175.00     0.00    0.0      0.00     0.0
NONPOINT    3     25.00     0.00    0.0      0.00     0.0
NONPOINT    4    225.00     0.00    0.0      0.00     0.0
NONPOINT    5     75.00     0.00    0.0      0.00     0.0
NONPOINT    6    175.00     0.00    0.0      0.00     0.0
```

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NONPOINT    7      0.00     0.00    0.0      0.00     0.0
NONPOINT    8    260.00     0.00    0.0      0.00     0.0
NONPOINT    9    600.00     0.00    0.0      0.00     0.0
NONPOINT   10   1075.00     0.00    0.0      0.00     0.0
NONPOINT   11    275.00     0.00    0.0      0.00     0.0
NONPOINT   12    325.00     0.00    0.0      0.00     0.0
NONPOINT   13    425.00     0.00    0.0      0.00     0.0
NONPOINT   14     70.00     0.00    0.0      0.00     0.0
NONPOINT   15    125.00     0.00    0.0      0.00     0.0
ENDATA19
!Headwater Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  -------------------- *** --------********--------********--------
HDWTR-1     1  False River Overflow  0.  0.00453  23.25  0.0       8.40   16.50
ENDATA20
!Headwater Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********---------
HDWTR-2     1      3.69    11.63     0.00   0.000    0.00
ENDATA21
!Headwater Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********
HDWTR-3     1      0.00     0.00   0.00    0.00
ENDATA22
!Junction Data
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        **** ----  ************************************************************
ENDATA23
!Wasteload Data for Flow, Temperature, Salinity, and Conservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  --------------------*********---------*********---------*********
WSTLD-1    20  BAYOU PORTAGE         0.50       21.50     0.00     8.00    12.50
WSTLD-1    33  BAYOU FORDOCHE        0.10       21.72     0.00     6.20     5.90
WSTLD-1   209  GRAND  BAYOU          0.47459    21.70     0.00     7.40    15.30
WSTLD-1   224  CATFISH CANAL         0.00651    19.10     0.00    12.00    20.90
```

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WSTLD-1   249  ICWW DIVERSION       -0.85       25.30     0.00     4.40     7.50
ENDATA24
!Wasteload Data for DO, BOD, and Nitrogen
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********-----*********---------*****---------
WSTLD-2    20      3.78    15.15  0.0     0.00     0.00  0.0     0.00
WSTLD-2    33      4.84    15.92  0.0     0.00     0.00  0.0     0.00
WSTLD-2   209      2.77    16.47  0.0     0.00     0.00  0.0     0.00
WSTLD-2   224      4.26    24.13  0.0     0.00     0.00  0.0     0.00
WSTLD-2   249      1.50    18.51  0.0     0.00     0.00  0.0     0.00
ENDATA25
!Wasteload Data for Phosphorus, Chlorophyll, Coliform, and Nonconservatives
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ---------*********---------*********
WSTLD-3    20       0.00     0.00     0.00     0.00
WSTLD-3    33       0.00     0.00     0.00     0.00
WSTLD-3   209       0.00     0.00     0.00     0.00
WSTLD-3   224       0.00     0.00     0.00     0.00
WSTLD-3   249       0.00     0.00     0.00     0.00
ENDATA26
LOWER BC TEMPERATURE                          =  23.84
LOWER BC SALINITY                             =   0.00
LOWER BC CONSERVATIVE MATERIAL I              =  15.90
LOWER BC CONSERVATIVE MATERIAL II             =  35.20
LOWER BC DISSOLVED OXYGEN                     =   2.04
LOWER BC BOD1 BIOCHEMICAL OXYGEN DEMAND       =   6.48
LOWER BC BOD2 BIOCHEMICAL OXYGEN DEMAND       =   0.00
LOWER BC ORGANIC NITROGEN                     =   0.00
LOWER BC AMMONIA NITROGEN                     =   0.00
LOWER BC NITRATE + NITRITE                    =   0.00
LOWER BC PHOSPHORUS                           =   0.00
LOWER BC CHLOROPHYLL A                        =  14.60
LOWER BC COLIFORM                             =   0.00
LOWER BC NONCONSERVATIVE MATERIAL             =   0.00
ENDATA27
!DAM DATA
!--------1---------2---------3---------4---------5---------6---------7---------8
!2345678901234567890123456789012345678901234567890123456789012345678901234567890
!        ****  ------------------- ** --------********--------
```

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DAM DATA   48        Livonia Weir    1    0.85    0.75   1.622
ENDATA28
SENSIT   BASEFLOW   30.0  -30.0
SENSIT   DEPTH      30.0  -30.0
SENSITIV REAERATI   30.0  -30.0
SENSIT   BOD DECA   30.0  -30.0
SENSIT   BOD SETT   30.0  -30.0
SENSIT   BENTHAL    30.0  -30.0
SENSIT   TEMPERAT    2.0   -2.0
SENSIT   INC INFL   30.0  -30.0
SENSIT   INC DO     30.0  -30.0
SENSIT   INC BOD    30.0  -30.0
SENSIT   HDW FLOW   30.0  -30.0
SENSIT   HDW TEMP    2.0   -2.0
SENSIT   HDW DO     30.0  -30.0
SENSIT   HDW BOD    30.0  -30.0
SENSIT   WSL FLOW   30.0  -30.0
SENSIT   WSL TEMP    2.0   -2.0
SENSIT   WSL DO     30.0  -30.0
SENSIT   WSL BOD    30.0  -30.0
SENSIT   NPS BOD    30.0  -30.0
ENDATA29
NUMBER OF PLOTS = 5
NUMBER OF REACHES IN PLOT 5 =  15
PLOT RCH  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15
NUMBER OF REACHES IN PLOT 1 =   5
PLOT RCH  1  2  3  4  5
NUMBER OF REACHES IN PLOT 2 =   3
PLOT RCH  6  7  8
NUMBER OF REACHES IN PLOT 3 =   4
PLOT RCH  8  9 10 11
NUMBER OF REACHES IN PLOT 4 =   5
PLOT RCH 11 12 13 14 15
ENDATA30
OVERLAY 1 OVERLAY BGT.TXT                    :REACHES 1-15
OVERLAY 2 OVERLAY BGT.TXT                    :REACHES 1-5
OVERLAY 3 OVERLAY BGT.TXT                    :REACHES 6-8
OVERLAY 4 OVERLAY BGT.TXT                    :REACHES 8-11
OVERLAY 5 OVERLAY BGT.TXT                    :REACHES 11-15
ENDATA31
```

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LA-QUAL Version 8.00
Louisiana Department of Environmental Quality

Input file is C:\Working\Modeling\Terrebonne\120104\Model\BGT Only\Calibration\BGTCalibration.txt
Output produced at 09:11 on 08/16/2006

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

CARD TYPE       CONTROL TITLES

TITLE01         BAYOU GROSS TETE CALIBRATION
TITLE02         08/26/04
CNTROL12  YES   METRIC UNITS
ENDATA01

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

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03  YES   CONSERVATIVE MATERIAL  I = CHLORIDES                 IN MG/L
MODOPT04  YES   CONSERVATIVE MATERIAL II = SULFATES                  IN MG/L
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND
MODOPT08   NO   NITROGEN
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORM
MODOPT13   NO   NONCONSERVATIVE MATERIAL
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         KL MINIMUM                          =        0.70000 meters/day
PROGRAM         MAXIMUM ITERATION LIMIT             =     1000.00000
PROGRAM         INHIBITION CONTROL VALUE            =        3.00000 (inhibit all rates but SOD)
PROGRAM         EFFECTIVE BOD DUE TO ALGAE          =        0.15000 mg/L BOD per ug/L chl a
PROGRAM         ALGAE OXYGEN PRODUCTION             =        0.00000 mg O/ug chl a/day
PROGRAM         K2 MAXIMUM                          =       25.00000 per day
```

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PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         SETTLED RATE UNITS                 =         2.00000 (values entered as per 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

$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                        BEGIN          END      ELEM     REACH      ELEMS   BEGIN     END
CARD TYPE  REACH  ID  NAME                              REACH        REACH    LENGTH   LENGTH     PER RCH   ELEM     ELEM
                                                           km           km       km       km                 NUM      NUM

REACH ID      1   GT    FALSE R CANAL-BGT 2             52.84  TO    50.15   0.2690     2.69       10        1      10
REACH ID      2   GT    BGT 2-B. PORTAGE                50.15  TO    48.26   0.2100     1.89        9       11      19
REACH ID      3   GT    B. PORTAGE-UNNAMED CANAL        48.26  TO    48.06   0.1000     0.20        2       20      21
REACH ID      4   GT    UNNAMED CANAL-B. FORDOCHE       48.06  TO    45.31   0.2500     2.75       11       22      32
REACH ID      5   GT    B. FORDOCHE-BGT 3               45.31  TO    44.30   0.2020     1.01        5       33      37
REACH ID      6   GT    BGT 3-BGT 3A                    44.30  TO    42.85   0.1450     1.45       10       38      47
REACH ID      7   GT    BGT 3A-BGT 3B                   42.85  TO    42.84   0.0100     0.01        1       48      48
REACH ID      8   GT    BGT 3B-BGT 4                    42.84  TO    34.63   0.1642     8.21       50       49      98
REACH ID      9   GT    BGT 4-BGT 5                     34.63  TO    24.95   0.1936     9.68       50       99     148
REACH ID     10   GT    BGT 5-BGT 6                     24.95  TO    13.90   0.2210    11.05       50      149     198
REACH ID     11   GT    BGT 6-GRAND BAYOU               13.90  TO    11.68   0.2220     2.22       10      199     208
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REACH ID     12   GT    GRAND BAYOU-CATFISH CANAL          11.68  TO    7.93   0.2500     3.75      15      209    223
REACH ID     13   GT    CATFISH CANAL-ICWW DIVERSION        7.93  TO    3.02   0.1964     4.91      25      224    248
REACH ID     14   GT    ICWW DIVERSION-BGT 7                3.02  TO    1.96   0.2120     1.06       5      249    253
REACH ID     15   GT    BGT 7-INTRACOASTAL WATERWAY         1.96  TO    0.00   0.2450     1.96       8      254    261
ENDATA08

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

CARD TYPE  REACH  ID       WIDTH       WIDTH       WIDTH       DEPTH       DEPTH       DEPTH      SLOPE    MANNINGS
                             "A"         "B"         "C"         "D"         "E"         "F"                   "N"

HYDR-1         1   GT       0.000       0.000      32.920       0.000       0.000       0.811     0.00010   0.035
HYDR-1         2   GT       0.000       0.000      32.920       0.000       0.000       0.811     0.00010   0.035
HYDR-1         3   GT       0.000       0.000      34.000       0.000       0.000       0.825     0.00010   0.035
HYDR-1         4   GT       0.000       0.000      36.000       0.000       0.000       0.835     0.00010   0.035
HYDR-1         5   GT       0.000       0.000      37.800       0.000       0.000       0.847     0.00010   0.035
HYDR-1         6   GT       0.000       0.000      37.800       0.000       0.000       0.847     0.00010   0.035
HYDR-1         7   GT       0.000       0.000      37.800       0.000       0.000       0.847     0.00010   0.035
HYDR-1         8   GT       0.000       0.000      22.710       0.000       0.000       0.631     0.00010   0.035
HYDR-1         9   GT       0.000       0.000      20.730       0.000       0.000       1.283     0.00010   0.035
HYDR-1        10   GT       0.000       0.000      22.000       0.000       0.000       1.400     0.00010   0.035
HYDR-1        11   GT       0.000       0.000      23.160       0.000       0.000       1.554     0.00010   0.035
HYDR-1        12   GT       0.000       0.000      29.870       0.000       0.000       1.554     0.00010   0.035
HYDR-1        13   GT       0.000       0.000      29.870       0.000       0.000       1.554     0.00010   0.035
HYDR-1        14   GT       0.000       0.000      29.870       0.000       0.000       0.655     0.00010   0.035
HYDR-1        15   GT       0.000       0.000      29.870       0.000       0.000       0.655     0.00010   0.035
ENDATA09

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

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

ENDATA10

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

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

INITIAL             1   GT       23.25       0.00       3.69       0.00       0.00       0.00      45.60       0.00
INITIAL             2   GT       23.76       0.00       5.44       0.00       0.00       0.00      65.10       0.00
INITIAL             3   GT       24.00       0.00       5.00       0.00       0.00       0.00      50.00       0.00
INITIAL             4   GT       24.00       0.00       4.50       0.00       0.00       0.00      50.00       0.00
INITIAL             5   GT       24.00       0.00       4.00       0.00       0.00       0.00      42.50       0.00
```

INITIAL	6	GT	24.55	0.00	3.70	0.00	0.00	0.00	42.50	0.00
INITIAL	7	GT	24.55	0.00	3.70	0.00	0.00	0.00	42.50	0.00
INITIAL	8	GT	24.72	0.00	5.72	0.00	0.00	0.00	42.50	0.00
INITIAL	9	GT	24.72	0.00	5.72	0.00	0.00	0.00	83.20	0.00
INITIAL	10	GT	24.81	0.00	2.39	0.00	0.00	0.00	26.65	0.00
INITIAL	11	GT	25.07	0.00	2.32	0.00	0.00	0.00	36.00	0.00
INITIAL	12	GT	25.07	0.00	2.45	0.00	0.00	0.00	34.00	0.00
INITIAL	13	GT	25.07	0.00	2.60	0.00	0.00	0.00	31.00	0.00
INITIAL	14	GT	25.07	0.00	2.75	0.00	0.00	0.00	28.40	0.00
INITIAL	15	GT	25.07	0.00	2.85	0.00	0.00	0.00	28.40	0.00

ENDATA11

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

CARD TYPE	RCH NUM	RCH ID	K2 OPT	K2 "A"	K2 "B"	K2 "C"	BKGRND SOD g/m²/d	BOD DECAY per day	BOD SETT m/d	BOD CONV TO SOD	ANAER BOD2 DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	GT	15 LOUISIANA	0.000	0.000	0.000	1.350	0.121	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	GT	15 LOUISIANA	0.000	0.000	0.000	1.500	0.107	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	GT	15 LOUISIANA	0.000	0.000	0.000	3.000	0.102	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	GT	15 LOUISIANA	0.000	0.000	0.000	3.750	0.098	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	GT	15 LOUISIANA	0.000	0.000	0.000	3.750	0.095	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	GT	15 LOUISIANA	0.000	0.000	0.000	3.500	0.093	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	GT	15 LOUISIANA	0.000	0.000	0.000	2.000	0.098	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	GT	15 LOUISIANA	0.000	0.000	0.000	3.250	0.105	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	GT	4 OWENS <5 FPS	0.000	0.000	0.000	2.250	0.106	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.350	0.099	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	11	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.400	0.093	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	12	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.500	0.090	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	13	GT	4 OWENS <5 FPS	0.000	0.000	0.000	1.600	0.086	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	14	GT	15 LOUISIANA	0.000	0.000	0.000	3.500	0.084	0.050	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	15	GT	15 LOUISIANA	0.000	0.000	0.000	3.500	0.082	0.050	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    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

ENDATA15

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

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

INCR-1             1   GT       0.00000     0.06000      0.00      0.00      3.50      5.00   0.02230   0.00000
INCR-1             2   GT       0.00000     0.04000      0.00      0.00      3.50      5.00   0.02116   0.00000
INCR-1             3   GT       0.00000     0.02500      0.00      0.00      3.50      5.00   0.12500   0.00000
INCR-1             4   GT       0.00000     0.05000      0.00      0.00      3.50      5.00   0.01818   0.00000
INCR-1             5   GT       0.00000     0.03000      0.00      0.00      3.50      5.00   0.02970   0.00000
INCR-1             6   GT      -0.15000     0.00000      0.00      0.00      0.00      0.00   0.00000  -0.10345
INCR-1             7   GT       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1             8   GT       0.00000     0.13000      0.00      0.00      3.50      5.00   0.01583   0.00000
INCR-1             9   GT      -0.00800     0.00000      0.00      0.00      0.00      0.00   0.00000  -0.00083
INCR-1            10   GT       0.00000     0.22600      0.00      0.00      3.50      5.00   0.02045   0.00000
INCR-1            11   GT       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1            12   GT       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1            13   GT       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1            14   GT       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1            15   GT       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
ENDATA16

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

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

INCR-2             1   GT        4.25      8.57      0.00      0.00      0.00      0.00
INCR-2             2   GT        3.75      8.57      0.00      0.00      0.00      0.00
INCR-2             3   GT        3.50      8.57      0.00      0.00      0.00      0.00
INCR-2             4   GT        3.25      8.57      0.00      0.00      0.00      0.00
INCR-2             5   GT        2.75      8.57      0.00      0.00      0.00      0.00
INCR-2             6   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2             7   GT        0.00      0.00      0.00      0.00      0.00      0.00
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INCR-2            8   GT        4.75      8.57      0.00      0.00      0.00      0.00
INCR-2            9   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           10   GT        2.25      8.57      0.00      0.00      0.00      0.00
INCR-2           11   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           12   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           13   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           14   GT        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           15   GT        0.00      0.00      0.00      0.00      0.00      0.00
ENDATA17

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

 CARD TYPE      REACH  ID        PHOS     CHL A      COLI       NCM

INCR-3            1   GT        0.00      0.00      0.00      0.00
INCR-3            2   GT        0.00      0.00      0.00      0.00
INCR-3            3   GT        0.00      0.00      0.00      0.00
INCR-3            4   GT        0.00      0.00      0.00      0.00
INCR-3            5   GT        0.00      0.00      0.00      0.00
INCR-3            6   GT        0.00      0.00      0.00      0.00
INCR-3            7   GT        0.00      0.00      0.00      0.00
INCR-3            8   GT        0.00      0.00      0.00      0.00
INCR-3            9   GT        0.00      0.00      0.00      0.00
INCR-3           10   GT        0.00      0.00      0.00      0.00
INCR-3           11   GT        0.00      0.00      0.00      0.00
INCR-3           12   GT        0.00      0.00      0.00      0.00
INCR-3           13   GT        0.00      0.00      0.00      0.00
INCR-3           14   GT        0.00      0.00      0.00      0.00
INCR-3           15   GT        0.00      0.00      0.00      0.00
ENDATA18

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

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

NONPOINT          1   GT      225.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          2   GT      175.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          3   GT       25.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          4   GT      225.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          5   GT       75.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          6   GT      175.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          7   GT        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          8   GT      260.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          9   GT      600.00      0.00      0.00      0.00      0.00      0.00
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NONPOINT         10   GT     1075.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         11   GT      275.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         12   GT      325.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         13   GT      425.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         14   GT       70.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         15   GT      125.00      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      MG/L

HDWTR-1           1     False River Overflow    0   0.00453    0.160   23.25     0.00     8.400    16.500
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     False River Overflow       3.69     11.63      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     False River Overflow       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       FLOW     FLOW    TEMP    SALIN      CM-I     CM-II
                                                     m³/s        cfs      MGD   deg C      ppt      MG/L      MG/L
```

WSTLD-1	20	48.26	BAYOU PORTAGE	0.50000	17.65537	11.413	21.50	0.00	8.000	12.500
WSTLD-1	33	45.31	BAYOU FORDOCHE	0.10000	3.53107	2.283	21.72	0.00	6.200	5.900
WSTLD-1	209	11.68	GRAND BAYOU	0.47459	16.75812	10.833	21.70	0.00	7.400	15.300
WSTLD-1	224	7.93	CATFISH CANAL	0.00651	0.22987	0.149	19.10	0.00	12.000	20.900
WSTLD-1	249	3.02	ICWW DIVERSION	-0.85000	-30.01413	-19.402	25.30	0.00	4.400	7.500

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-2	20	BAYOU PORTAGE	3.78	15.15	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	33	BAYOU FORDOCHE	4.84	15.92	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	209	GRAND BAYOU	2.77	16.47	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	224	CATFISH CANAL	4.26	24.13	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-2	249	ICWW DIVERSION	1.50	18.51	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-3	20	BAYOU PORTAGE	0.00	0.00	0.00	0.00
WSTLD-3	33	BAYOU FORDOCHE	0.00	0.00	0.00	0.00
WSTLD-3	209	GRAND BAYOU	0.00	0.00	0.00	0.00
WSTLD-3	224	CATFISH CANAL	0.00	0.00	0.00	0.00
WSTLD-3	249	ICWW DIVERSION	0.00	0.00	0.00	0.00

ENDATA26

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

CARD TYPE	CONSTITUENT		CONCENTRATION	
LOWER BC	TEMPERATURE	=	23.840	deg C
LOWER BC	SALINITY	=	0.000	ppt
LOWER BC	CONSERVATIVE MATERIAL I	=	15.900	MG/L
LOWER BC	CONSERVATIVE MATERIAL II	=	35.200	MG/L
LOWER BC	DISSOLVED OXYGEN	=	2.040	mg/L
LOWER BC	BOD1 BIOCHEMICAL OXYGEN DEMAND	=	6.480	mg/L
LOWER BC	BOD2 BIOCHEMICAL OXYGEN DEMAND	=	0.000	mg/L
LOWER BC	ORGANIC NITROGEN	=	0.000	mg/L
LOWER BC	AMMONIA NITROGEN	=	0.000	mg/L

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LOWER BC     NITRATE + NITRITE                =      0.000     mg/L
LOWER BC     PHOSPHORUS                       =      0.000     mg/L
LOWER BC     CHLOROPHYLL A                    =     14.600     µg/L
LOWER BC     COLIFORM                         =      0.000     #/100 mL
LOWER BC     NONCONSERVATIVE MATERIAL         =      0.000
ENDATA27

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

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

DAM DATA         48           Livonia Weir      1     0.850     0.750     1.622
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

SENSIT           BASEFLOW      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           DEPTH         30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSITIV         REAERATI      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           BOD DECA      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           BOD SETT      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           BENTHAL       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           TEMPERAT       2.0      -2.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           INC INFL      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           INC DO        30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           INC BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW FLOW      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW TEMP       2.0      -2.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW DO        30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           HDW BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL FLOW      30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL TEMP       2.0      -2.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL DO        30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           WSL BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
SENSIT           NPS BOD       30.0     -30.0       0.0       0.0       0.0       0.0       0.0       0.0
ENDATA29

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


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

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


OVERLAY 1 OVERLAY BGT.TXT                     :REACHES 1-15
OVERLAY 2 OVERLAY BGT.TXT                     :REACHES 1-5
OVERLAY 3 OVERLAY BGT.TXT                     :REACHES 6-8
OVERLAY 4 OVERLAY BGT.TXT                     :REACHES 8-11
OVERLAY 5 OVERLAY BGT.TXT                     :REACHES 11-15
ENDATA31



     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....OXYGEN DEPENDENT RATES CONVERGENT IN   2 ITERATIONS
     .....CONSTITUENT CALCULATIONS COMPLETED
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
     .....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15


FINAL REPORT    False River Overflow                          BAYOU GROSS TETE CALIBRATION
REACH NO.  1      FALSE R CANAL-BGT 2                         08/26/04


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

 ELEM  TYPE        FLOW     TEMP     SALN     CM-I    CM-II     DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN    NH3  NO3+2   PHOS  CHL A     COLI     NCM
 NO.                      deg C      ppt     MG/L     MG/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL
```

1	HDWTR	0.00453	23.25	0.00	8.40	16.50	3.69	4.79	0.00	11.63	0.00	0.00	0.00	0.00	0.00	45.60	0.00	0.00
EACH	INCR	0.00600	0.00	0.00	3.50	5.00	4.25	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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	52.84	52.57	0.01053	0.0	0.00039	7.89	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.000
2	52.57	52.30	0.01653	0.0	0.00062	5.03	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.001
3	52.30	52.03	0.02253	0.0	0.00084	3.69	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.000	0.001
4	52.03	51.76	0.02853	0.0	0.00107	2.91	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
5	51.76	51.49	0.03453	0.0	0.00129	2.41	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.001
6	51.49	51.23	0.04053	0.0	0.00152	2.05	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
7	51.23	50.96	0.04653	0.0	0.00174	1.79	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
8	50.96	50.69	0.05253	0.0	0.00197	1.58	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
9	50.69	50.42	0.05853	0.0	0.00219	1.42	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
10	50.42	50.15	0.06453	0.0	0.00242	1.29	0.81	32.92	7181.79	8855.48	26.70	0.00	0.000	0.001	0.002
TOT						30.06			71817.94	88554.79					
AVG					0.0010		0.81	32.92			26.70				
CUM						30.06									

********** 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	52.571	8.53	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	52.302	8.52	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	52.033	8.51	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	51.764	8.50	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	51.495	8.50	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	51.226	8.49	0.92	0.14	0.05	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	50.957	8.48	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	50.688	8.47	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.70	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	50.419	8.46	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	50.150	8.46	0.93	0.14	0.05	0.00	0.00	0.00	0.00	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.86	0.12	0.05	0.00	0.00	0.00	0.00	1.35			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
1	52.571	23.30	0.00	5.62	9.97	4.35	12.47	0.00	19.60	0.00	0.00	0.00	0.00	0.00	0.00	47.55	0.00	0.	0.00
2	52.302	23.35	0.00	4.85	8.17	4.23	13.52	0.00	20.95	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.	0.00
3	52.033	23.40	0.00	4.49	7.32	4.18	13.80	0.00	21.52	0.00	0.00	0.00	0.00	0.00	0.00	51.45	0.00	0.	0.00
4	51.764	23.45	0.00	4.28	6.84	4.14	13.89	0.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	53.40	0.00	0.	0.00
5	51.495	23.50	0.00	4.15	6.52	4.12	13.92	0.00	22.23	0.00	0.00	0.00	0.00	0.00	0.00	55.35	0.00	0.	0.00
6	51.226	23.56	0.00	4.05	6.29	4.11	13.93	0.00	22.53	0.00	0.00	0.00	0.00	0.00	0.00	57.30	0.00	0.	0.00
7	50.957	23.61	0.00	3.98	6.13	4.09	13.93	0.00	22.82	0.00	0.00	0.00	0.00	0.00	0.00	59.25	0.00	0.	0.00
8	50.688	23.66	0.00	3.92	6.00	4.08	13.92	0.00	23.10	0.00	0.00	0.00	0.00	0.00	0.00	61.20	0.00	0.	0.00
9	50.419	23.71	0.00	3.88	5.89	4.07	13.91	0.00	23.38	0.00	0.00	0.00	0.00	0.00	0.00	63.15	0.00	0.	0.00
10	50.150	23.76	0.00	3.85	5.81	4.05	13.90	0.00	23.66	0.00	0.00	0.00	0.00	0.00	0.00	65.10	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 2 BGT 2-B. PORTAGE 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
11	UPR RCH	0.06453	23.76	0.00	3.85	5.81	4.05	13.90	0.00	23.66	0.00	0.00	0.00	0.00	0.00	65.10	0.00	0.00
EACH	INCR	0.00444	0.00	0.00	3.50	5.00	3.75	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
11	50.15	49.94	0.06897	0.0	0.00258	0.94	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.003
12	49.94	49.73	0.07342	0.0	0.00275	0.88	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.001	0.003
13	49.73	49.52	0.07786	0.0	0.00292	0.83	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
14	49.52	49.31	0.08231	0.0	0.00308	0.79	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003

15	49.31	49.10	0.08675	0.0	0.00325	0.75	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
16	49.10	48.89	0.09120	0.0	0.00342	0.71	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.003
17	48.89	48.68	0.09564	0.0	0.00358	0.68	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.004
18	48.68	48.47	0.10009	0.0	0.00375	0.65	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.004
19	48.47	48.26	0.10453	0.0	0.00392	0.62	0.81	32.92	5606.60	6913.20	26.70	0.00	0.000	0.002	0.004
TOT						6.85			50459.45	62218.80					
AVG					0.0032		0.81	32.92			26.70				
CUM						36.91									

********** 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
11	49.940	8.45	0.93	0.13	0.05	0.00	0.00	0.00	0.00	1.90	1.90	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	49.730	8.45	0.93	0.13	0.05	0.00	0.00	0.00	0.00	1.91	1.91	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	49.520	8.44	0.94	0.13	0.05	0.00	0.00	0.00	0.00	1.91	1.91	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	49.310	8.44	0.94	0.13	0.05	0.00	0.00	0.00	0.00	1.91	1.91	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	49.100	8.43	0.94	0.13	0.05	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	0.00	0.00	0.00	0.00	0.00
16	48.890	8.43	0.95	0.13	0.05	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	0.00	0.00	0.00	0.00	0.00
17	48.680	8.43	0.95	0.13	0.05	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	0.00	0.00	0.00	0.00	0.00
18	48.470	8.42	0.96	0.13	0.05	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	48.260	8.42	0.96	0.13	0.05	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.88	0.11	0.05	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
11	49.940	23.79	0.00	3.82	5.76	4.00	14.36	0.00	23.87	0.00	0.00	0.00	0.00	0.00	0.00	63.42	0.00	0.	0.00
12	49.730	23.81	0.00	3.80	5.71	3.96	14.70	0.00	23.97	0.00	0.00	0.00	0.00	0.00	0.00	61.74	0.00	0.	0.00
13	49.520	23.84	0.00	3.79	5.67	3.92	14.97	0.00	23.98	0.00	0.00	0.00	0.00	0.00	0.00	60.07	0.00	0.	0.00
14	49.310	23.87	0.00	3.77	5.64	3.89	15.17	0.00	23.93	0.00	0.00	0.00	0.00	0.00	0.00	58.39	0.00	0.	0.00
15	49.100	23.89	0.00	3.76	5.60	3.87	15.33	0.00	23.84	0.00	0.00	0.00	0.00	0.00	0.00	56.71	0.00	0.	0.00
16	48.890	23.92	0.00	3.74	5.57	3.86	15.46	0.00	23.71	0.00	0.00	0.00	0.00	0.00	0.00	55.03	0.00	0.	0.00
17	48.680	23.95	0.00	3.73	5.55	3.85	15.56	0.00	23.56	0.00	0.00	0.00	0.00	0.00	0.00	53.36	0.00	0.	0.00

18	48.470	23.97	0.00	3.72	5.52	3.84	15.64	0.00	23.39	0.00	0.00	0.00	0.00	0.00	0.00	51.68	0.00	0.	0.00
19	48.260	24.00	0.00	3.75	5.55	3.83	15.70	0.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 3 B. PORTAGE-UNNAMED CANAL 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
20	UPR RCH	0.10453	24.00	0.00	3.75	5.55	3.83	15.70	0.00	23.20	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
EACH	INCR	0.01250	0.00	0.00	3.50	5.00	3.50	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	
20	WSTLD	0.50000	21.50	0.00	8.00	12.50	3.78	15.15	0.00	15.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
20	48.26	48.16	0.61703	81.0	0.02200	0.05	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.012	0.022
21	48.16	48.06	0.62953	79.4	0.02244	0.05	0.82	34.00	2805.00	3400.00	28.05	0.00	0.000	0.012	0.022
TOT						0.10			5610.00	6800.00					
AVG					0.0222		0.82	34.00			28.05				
CUM						37.02									

********** 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
20	48.160	8.42	1.28	0.12	0.05	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	0.00	0.00
21	48.060	8.42	1.29	0.12	0.05	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	0.00	0.00
AVG 20 DEG C RATE			1.19	0.10	0.05	0.00	0.00	0.00	0.00	3.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
20	48.160	24.00	0.00	7.18	11.16	3.75	15.20	0.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.	0.00
21	48.060	24.00	0.00	7.11	11.04	3.72	15.16	0.00	22.66	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 4 UNNAMED CANAL-B. FORDOCHE 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
22	UPR RCH	0.62953	24.00	0.00	7.11	11.04	3.72	15.16	0.00	22.66	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00
EACH	INCR	0.00455	0.00	0.00	3.50	5.00	3.25	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00		

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
22	48.06	47.81	0.63408	78.9	0.02109	0.14	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.021
23	47.81	47.56	0.63862	78.3	0.02124	0.14	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.021
24	47.56	47.31	0.64317	77.7	0.02140	0.14	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.021
25	47.31	47.06	0.64771	77.2	0.02155	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
26	47.06	46.81	0.65226	76.7	0.02170	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
27	46.81	46.56	0.65680	76.1	0.02185	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
28	46.56	46.31	0.66135	75.6	0.02200	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
29	46.31	46.06	0.66589	75.1	0.02215	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
30	46.06	45.81	0.67044	74.6	0.02230	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.012	0.022
31	45.81	45.56	0.67498	74.1	0.02245	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.013	0.022
32	45.56	45.31	0.67953	73.6	0.02261	0.13	0.83	36.00	7515.00	9000.00	30.06	0.00	0.000	0.013	0.023
TOT						1.46			82665.00	99000.00					
AVG					0.0218		0.83	36.00			30.06				

CUM 38.48

********** 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
22	47.810	8.42	1.25	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	47.560	8.42	1.25	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	47.310	8.42	1.25	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	47.060	8.42	1.26	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	46.810	8.42	1.26	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	46.560	8.42	1.26	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	46.310	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	46.060	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	45.810	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	45.560	8.42	1.27	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	45.310	8.42	1.28	0.12	0.05	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.17	0.10	0.05	0.00	0.00	0.00	0.00	3.75			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
22	47.810	24.00	0.00	7.08	11.00	3.52	15.13	0.00	22.53	0.00	0.00	0.00	0.00	0.00	0.00	49.32	0.00	0.	0.00
23	47.560	24.00	0.00	7.06	10.95	3.35	15.10	0.00	22.39	0.00	0.00	0.00	0.00	0.00	0.00	48.64	0.00	0.	0.00
24	47.310	24.00	0.00	7.03	10.91	3.21	15.07	0.00	22.26	0.00	0.00	0.00	0.00	0.00	0.00	47.95	0.00	0.	0.00
25	47.060	24.00	0.00	7.01	10.87	3.10	15.04	0.00	22.13	0.00	0.00	0.00	0.00	0.00	0.00	47.27	0.00	0.	0.00
26	46.810	24.00	0.00	6.98	10.83	3.00	15.01	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	46.59	0.00	0.	0.00
27	46.560	24.00	0.00	6.96	10.79	2.93	14.98	0.00	21.87	0.00	0.00	0.00	0.00	0.00	0.00	45.91	0.00	0.	0.00
28	46.310	24.00	0.00	6.94	10.75	2.86	14.96	0.00	21.74	0.00	0.00	0.00	0.00	0.00	0.00	45.23	0.00	0.	0.00
29	46.060	24.00	0.00	6.91	10.71	2.81	14.93	0.00	21.62	0.00	0.00	0.00	0.00	0.00	0.00	44.55	0.00	0.	0.00
30	45.810	24.00	0.00	6.89	10.67	2.77	14.91	0.00	21.49	0.00	0.00	0.00	0.00	0.00	0.00	43.86	0.00	0.	0.00
31	45.560	24.00	0.00	6.87	10.63	2.73	14.89	0.00	21.36	0.00	0.00	0.00	0.00	0.00	0.00	43.18	0.00	0.	0.00
32	45.310	24.00	0.00	6.84	10.59	2.71	14.86	0.00	21.24	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 5 B. FORDOCHE-BGT 3 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
33	UPR RCH	0.67953	24.00	0.00	6.84	10.59	2.71	14.86	0.00	21.24	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
EACH	INCR	0.00600	0.00	0.00	3.50	5.00	2.75	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	
33	WSTLD	0.10000	21.72	0.00	6.20	5.90	4.84	15.92	0.00	15.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
33	45.31	45.11	0.78553	76.4	0.02454	0.10	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
34	45.11	44.91	0.79153	75.8	0.02472	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
35	44.91	44.70	0.79753	75.2	0.02491	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
36	44.70	44.50	0.80353	74.7	0.02510	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
37	44.50	44.30	0.80953	74.1	0.02528	0.09	0.85	37.80	6467.35	7635.60	32.02	0.00	0.000	0.014	0.025
TOT						0.47			32336.76	38178.00					
AVG					0.0249		0.85	37.80			32.02				
CUM						38.95									

********** 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
33	45.108	8.40	1.30	0.11	0.06	0.00	0.00	0.00	0.00	4.86	4.86	4.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	44.906	8.38	1.30	0.12	0.06	0.00	0.00	0.00	0.00	4.89	4.89	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	44.704	8.37	1.31	0.12	0.06	0.00	0.00	0.00	0.00	4.93	4.93	4.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	44.502	8.35	1.31	0.12	0.06	0.00	0.00	0.00	0.00	4.96	4.96	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	44.300	8.33	1.32	0.12	0.06	0.00	0.00	0.00	0.00	4.99	4.99	4.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.20	0.09	0.05	0.00	0.00	0.00	0.00	3.75			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
33	45.108	24.11	0.00	6.74	9.95	2.94	14.93	0.00	21.30	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
34	44.906	24.22	0.00	6.71	9.92	2.91	14.86	0.00	21.24	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
35	44.704	24.33	0.00	6.69	9.88	2.87	14.79	0.00	21.17	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
36	44.502	24.44	0.00	6.66	9.84	2.84	14.73	0.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
37	44.300	24.55	0.00	6.64	9.81	2.81	14.66	0.00	21.04	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 6 BGT 3-BGT 3A 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
38	UPR RCH	0.80953	24.55	0.00	6.64	9.81	2.81	14.66	0.00	21.04	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
EACH	INCR	-0.01500																

********** 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
38	44.30	44.15	0.79453	74.1	0.02482	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.014	0.025
39	44.15	44.01	0.77953	74.1	0.02435	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.014	0.024
40	44.01	43.86	0.76453	74.1	0.02388	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.024
41	43.86	43.72	0.74953	74.1	0.02341	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.023
42	43.72	43.57	0.73453	74.1	0.02294	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.023
43	43.57	43.43	0.71953	74.1	0.02247	0.07	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.013	0.022
44	43.43	43.28	0.70453	74.1	0.02201	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.022
45	43.28	43.14	0.68953	74.1	0.02154	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.022
46	43.14	42.99	0.67453	74.1	0.02107	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.021

47	42.99	42.85	0.65953	74.1	0.02060	0.08	0.85	37.80	4642.41	5481.00	32.02	0.00	0.000	0.012	0.021							
TOT						0.74			46424.07	54810.00												
AVG					0.0226		0.85	37.80			32.02											
CUM						39.69																

********** 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
38	44.155	8.33	1.31	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	44.010	8.33	1.30	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	43.865	8.33	1.30	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	43.720	8.33	1.29	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	43.575	8.33	1.28	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	43.430	8.33	1.27	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	43.285	8.33	1.26	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	43.140	8.33	1.25	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	42.995	8.33	1.24	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	42.850	8.33	1.23	0.11	0.06	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.17	0.09	0.05	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
38	44.155	24.55	0.00	6.64	9.81	2.81	14.75	0.00	21.12	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
39	44.010	24.55	0.00	6.64	9.81	2.81	14.83	0.00	21.20	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
40	43.865	24.55	0.00	6.64	9.81	2.81	14.91	0.00	21.29	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
41	43.720	24.55	0.00	6.64	9.81	2.80	15.00	0.00	21.37	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
42	43.575	24.55	0.00	6.64	9.81	2.79	15.09	0.00	21.46	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
43	43.430	24.55	0.00	6.64	9.81	2.78	15.17	0.00	21.55	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
44	43.285	24.55	0.00	6.64	9.81	2.76	15.26	0.00	21.63	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
45	43.140	24.55	0.00	6.64	9.81	2.74	15.35	0.00	21.72	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
46	42.995	24.55	0.00	6.64	9.81	2.72	15.44	0.00	21.81	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00
47	42.850	24.55	0.00	6.64	9.81	2.69	15.53	0.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 7 BGT 3A-BGT 3B 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
48	UPR RCH	0.65953	24.55	0.00	6.64	9.81	2.69	15.53	0.00	21.90	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
48	DAM	Livonia Weir ADDS 2.30 MG/L DISSOLVED OXYGEN GIVING 4.99 MG/L D.O. FOR THE UPR RCH INPUT																

********** 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
48	42.85	42.84	0.65953	74.1	0.02060	0.01	0.85	37.80	320.17	378.00	32.02	0.00	0.000	0.012	0.021
TOT						0.01			320.17	378.00					
AVG					0.0206		0.85	37.80			32.02				
CUM						39.69									

********** 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
48	42.840	8.31	1.24	0.12	0.06	0.00	0.00	0.00	0.00	2.69	2.69	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.13	0.10	0.05	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

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

NO.	DIST	DEG C	PPT	MG/L	MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	g/m³	#/100mL	
48	42.840	24.72	0.00	6.64	9.81	4.98	15.51	0.00	21.89	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 8 BGT 3B-BGT 4 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
49	UPR RCH	0.65953	24.72	0.00	6.64	9.81	4.98	15.51	0.00	21.89	0.00	0.00	0.00	0.00	0.00	42.50	0.00	0.00
EACH	INCR	0.00260	0.00	0.00	3.50	5.00	4.75	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
49	42.84	42.68	0.66213	73.8	0.04621	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.020	0.046
50	42.68	42.51	0.66473	73.5	0.04639	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.046
51	42.51	42.35	0.66733	73.3	0.04657	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
52	42.35	42.18	0.66993	73.0	0.04675	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
53	42.18	42.02	0.67253	72.7	0.04693	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
54	42.02	41.85	0.67513	72.4	0.04711	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
55	41.85	41.69	0.67773	72.1	0.04729	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
56	41.69	41.53	0.68033	71.9	0.04748	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.047
57	41.53	41.36	0.68293	71.6	0.04766	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
58	41.36	41.20	0.68553	71.3	0.04784	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
59	41.20	41.03	0.68813	71.0	0.04802	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
60	41.03	40.87	0.69073	70.8	0.04820	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
61	40.87	40.71	0.69333	70.5	0.04838	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.048
62	40.71	40.54	0.69593	70.2	0.04856	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.021	0.049
63	40.54	40.38	0.69853	70.0	0.04875	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
64	40.38	40.21	0.70113	69.7	0.04893	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
65	40.21	40.05	0.70373	69.5	0.04911	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
66	40.05	39.88	0.70633	69.2	0.04929	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
67	39.88	39.72	0.70893	69.0	0.04947	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.049
68	39.72	39.56	0.71153	68.7	0.04965	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050

69	39.56	39.39	0.71413	68.5	0.04983	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
70	39.39	39.23	0.71673	68.2	0.05002	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
71	39.23	39.06	0.71933	68.0	0.05020	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
72	39.06	38.90	0.72193	67.7	0.05038	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.050
73	38.90	38.74	0.72453	67.5	0.05056	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.051
74	38.74	38.57	0.72713	67.2	0.05074	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.022	0.051
75	38.57	38.41	0.72973	67.0	0.05092	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
76	38.41	38.24	0.73233	66.7	0.05110	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
77	38.24	38.08	0.73493	66.5	0.05129	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
78	38.08	37.91	0.73753	66.3	0.05147	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.051
79	37.91	37.75	0.74013	66.0	0.05165	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
80	37.75	37.59	0.74273	65.8	0.05183	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
81	37.59	37.42	0.74533	65.6	0.05201	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
82	37.42	37.26	0.74793	65.4	0.05219	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
83	37.26	37.09	0.75053	65.1	0.05237	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.052
84	37.09	36.93	0.75313	64.9	0.05256	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
85	36.93	36.76	0.75573	64.7	0.05274	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
86	36.76	36.60	0.75833	64.5	0.05292	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
87	36.60	36.44	0.76093	64.2	0.05310	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.023	0.053
88	36.44	36.27	0.76353	64.0	0.05328	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.053
89	36.27	36.11	0.76613	63.8	0.05346	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.053
90	36.11	35.94	0.76873	63.6	0.05364	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
91	35.94	35.78	0.77133	63.4	0.05383	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
92	35.78	35.62	0.77393	63.2	0.05401	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
93	35.62	35.45	0.77653	62.9	0.05419	0.04	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
94	35.45	35.29	0.77913	62.7	0.05437	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.054
95	35.29	35.12	0.78173	62.5	0.05455	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
96	35.12	34.96	0.78433	62.3	0.05473	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
97	34.96	34.79	0.78693	62.1	0.05491	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
98	34.79	34.63	0.78953	61.9	0.05510	0.03	0.63	22.71	2352.99	3728.98	14.33	0.00	0.000	0.024	0.055
TOT						1.88			117649.32	186449.16					
AVG					0.0505		0.63	22.71			14.33				
CUM						41.57									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
49	42.676	8.31	2.30	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	42.512	8.31	2.30	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

51	42.347	8.31	2.31	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	42.183	8.31	2.31	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	42.019	8.31	2.32	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	41.855	8.31	2.32	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	41.691	8.31	2.32	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	41.526	8.31	2.33	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	41.362	8.31	2.33	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	41.198	8.31	2.34	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	41.034	8.31	2.34	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	40.870	8.31	2.35	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	40.705	8.31	2.35	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	40.541	8.31	2.36	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	40.377	8.31	2.36	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	40.213	8.31	2.36	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	40.049	8.31	2.37	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	39.884	8.31	2.37	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	39.720	8.31	2.38	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	39.556	8.31	2.38	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	39.392	8.31	2.39	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	39.228	8.31	2.39	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	39.063	8.31	2.40	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	38.899	8.31	2.40	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	38.735	8.31	2.41	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	38.571	8.31	2.41	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.407	8.31	2.41	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	38.242	8.31	2.42	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	38.078	8.31	2.42	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	37.914	8.31	2.43	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	37.750	8.31	2.43	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	37.586	8.31	2.44	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	37.421	8.31	2.44	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	37.257	8.31	2.45	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	37.093	8.31	2.45	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	36.929	8.31	2.45	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	36.765	8.31	2.46	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	36.600	8.31	2.46	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	36.436	8.31	2.47	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	36.272	8.31	2.47	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	36.108	8.31	2.48	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	35.944	8.31	2.48	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	35.779	8.31	2.49	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	35.615	8.31	2.49	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	35.451	8.31	2.50	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	35.287	8.31	2.50	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

95	35.123	8.31	2.50	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	34.958	8.31	2.51	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	34.794	8.31	2.51	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	34.630	8.31	2.52	0.13	0.06	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			2.20	0.10	0.05	0.00	0.00	0.00	0.00	3.25			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
49	42.676	24.72	0.00	6.63	9.79	4.93	15.46	0.00	21.95	0.00	0.00	0.00	0.00	0.00	0.00	43.31	0.00	0.	0.00
50	42.512	24.72	0.00	6.62	9.77	4.89	15.40	0.00	22.02	0.00	0.00	0.00	0.00	0.00	0.00	44.13	0.00	0.	0.00
51	42.347	24.72	0.00	6.60	9.75	4.85	15.35	0.00	22.09	0.00	0.00	0.00	0.00	0.00	0.00	44.94	0.00	0.	0.00
52	42.183	24.72	0.00	6.59	9.73	4.81	15.30	0.00	22.16	0.00	0.00	0.00	0.00	0.00	0.00	45.76	0.00	0.	0.00
53	42.019	24.72	0.00	6.58	9.72	4.78	15.24	0.00	22.23	0.00	0.00	0.00	0.00	0.00	0.00	46.57	0.00	0.	0.00
54	41.855	24.72	0.00	6.57	9.70	4.76	15.19	0.00	22.30	0.00	0.00	0.00	0.00	0.00	0.00	47.38	0.00	0.	0.00
55	41.691	24.72	0.00	6.56	9.68	4.73	15.14	0.00	22.37	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.	0.00
56	41.526	24.72	0.00	6.54	9.66	4.71	15.09	0.00	22.45	0.00	0.00	0.00	0.00	0.00	0.00	49.01	0.00	0.	0.00
57	41.362	24.72	0.00	6.53	9.64	4.69	15.05	0.00	22.52	0.00	0.00	0.00	0.00	0.00	0.00	49.83	0.00	0.	0.00
58	41.198	24.72	0.00	6.52	9.63	4.68	15.00	0.00	22.59	0.00	0.00	0.00	0.00	0.00	0.00	50.64	0.00	0.	0.00
59	41.034	24.72	0.00	6.51	9.61	4.66	14.95	0.00	22.67	0.00	0.00	0.00	0.00	0.00	0.00	51.45	0.00	0.	0.00
60	40.870	24.72	0.00	6.50	9.59	4.65	14.90	0.00	22.74	0.00	0.00	0.00	0.00	0.00	0.00	52.27	0.00	0.	0.00
61	40.705	24.72	0.00	6.49	9.57	4.64	14.86	0.00	22.82	0.00	0.00	0.00	0.00	0.00	0.00	53.08	0.00	0.	0.00
62	40.541	24.72	0.00	6.48	9.56	4.63	14.81	0.00	22.90	0.00	0.00	0.00	0.00	0.00	0.00	53.90	0.00	0.	0.00
63	40.377	24.72	0.00	6.47	9.54	4.63	14.77	0.00	22.98	0.00	0.00	0.00	0.00	0.00	0.00	54.71	0.00	0.	0.00
64	40.213	24.72	0.00	6.45	9.52	4.62	14.73	0.00	23.05	0.00	0.00	0.00	0.00	0.00	0.00	55.52	0.00	0.	0.00
65	40.049	24.72	0.00	6.44	9.51	4.62	14.68	0.00	23.13	0.00	0.00	0.00	0.00	0.00	0.00	56.34	0.00	0.	0.00
66	39.884	24.72	0.00	6.43	9.49	4.62	14.64	0.00	23.21	0.00	0.00	0.00	0.00	0.00	0.00	57.15	0.00	0.	0.00
67	39.720	24.72	0.00	6.42	9.47	4.61	14.60	0.00	23.29	0.00	0.00	0.00	0.00	0.00	0.00	57.97	0.00	0.	0.00
68	39.556	24.72	0.00	6.41	9.46	4.61	14.56	0.00	23.37	0.00	0.00	0.00	0.00	0.00	0.00	58.78	0.00	0.	0.00
69	39.392	24.72	0.00	6.40	9.44	4.61	14.52	0.00	23.46	0.00	0.00	0.00	0.00	0.00	0.00	59.59	0.00	0.	0.00
70	39.228	24.72	0.00	6.39	9.42	4.61	14.48	0.00	23.54	0.00	0.00	0.00	0.00	0.00	0.00	60.41	0.00	0.	0.00
71	39.063	24.72	0.00	6.38	9.41	4.62	14.44	0.00	23.62	0.00	0.00	0.00	0.00	0.00	0.00	61.22	0.00	0.	0.00
72	38.899	24.72	0.00	6.37	9.39	4.62	14.40	0.00	23.70	0.00	0.00	0.00	0.00	0.00	0.00	62.04	0.00	0.	0.00
73	38.735	24.72	0.00	6.36	9.38	4.62	14.36	0.00	23.79	0.00	0.00	0.00	0.00	0.00	0.00	62.85	0.00	0.	0.00
74	38.571	24.72	0.00	6.35	9.36	4.62	14.32	0.00	23.87	0.00	0.00	0.00	0.00	0.00	0.00	63.66	0.00	0.	0.00
75	38.407	24.72	0.00	6.34	9.35	4.63	14.28	0.00	23.96	0.00	0.00	0.00	0.00	0.00	0.00	64.48	0.00	0.	0.00
76	38.242	24.72	0.00	6.33	9.33	4.63	14.25	0.00	24.04	0.00	0.00	0.00	0.00	0.00	0.00	65.29	0.00	0.	0.00
77	38.078	24.72	0.00	6.32	9.31	4.64	14.21	0.00	24.13	0.00	0.00	0.00	0.00	0.00	0.00	66.11	0.00	0.	0.00

78	37.914	24.72	0.00	6.31	9.30	4.64	14.18	0.00	24.21	0.00	0.00	0.00	0.00	0.00	0.00	66.92	0.00	0.	0.00
79	37.750	24.72	0.00	6.30	9.28	4.65	14.14	0.00	24.30	0.00	0.00	0.00	0.00	0.00	0.00	67.73	0.00	0.	0.00
80	37.586	24.72	0.00	6.29	9.27	4.65	14.11	0.00	24.39	0.00	0.00	0.00	0.00	0.00	0.00	68.55	0.00	0.	0.00
81	37.421	24.72	0.00	6.28	9.25	4.66	14.07	0.00	24.48	0.00	0.00	0.00	0.00	0.00	0.00	69.36	0.00	0.	0.00
82	37.257	24.72	0.00	6.27	9.24	4.66	14.04	0.00	24.56	0.00	0.00	0.00	0.00	0.00	0.00	70.18	0.00	0.	0.00
83	37.093	24.72	0.00	6.26	9.23	4.67	14.00	0.00	24.65	0.00	0.00	0.00	0.00	0.00	0.00	70.99	0.00	0.	0.00
84	36.929	24.72	0.00	6.25	9.21	4.67	13.97	0.00	24.74	0.00	0.00	0.00	0.00	0.00	0.00	71.80	0.00	0.	0.00
85	36.765	24.72	0.00	6.24	9.20	4.68	13.94	0.00	24.83	0.00	0.00	0.00	0.00	0.00	0.00	72.62	0.00	0.	0.00
86	36.600	24.72	0.00	6.23	9.18	4.69	13.91	0.00	24.92	0.00	0.00	0.00	0.00	0.00	0.00	73.43	0.00	0.	0.00
87	36.436	24.72	0.00	6.22	9.17	4.69	13.87	0.00	25.01	0.00	0.00	0.00	0.00	0.00	0.00	74.25	0.00	0.	0.00
88	36.272	24.72	0.00	6.21	9.15	4.70	13.84	0.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	75.06	0.00	0.	0.00
89	36.108	24.72	0.00	6.20	9.14	4.71	13.81	0.00	25.19	0.00	0.00	0.00	0.00	0.00	0.00	75.87	0.00	0.	0.00
90	35.944	24.72	0.00	6.19	9.13	4.71	13.78	0.00	25.28	0.00	0.00	0.00	0.00	0.00	0.00	76.69	0.00	0.	0.00
91	35.779	24.72	0.00	6.19	9.11	4.72	13.75	0.00	25.38	0.00	0.00	0.00	0.00	0.00	0.00	77.50	0.00	0.	0.00
92	35.615	24.72	0.00	6.18	9.10	4.73	13.72	0.00	25.47	0.00	0.00	0.00	0.00	0.00	0.00	78.32	0.00	0.	0.00
93	35.451	24.72	0.00	6.17	9.08	4.73	13.69	0.00	25.56	0.00	0.00	0.00	0.00	0.00	0.00	79.13	0.00	0.	0.00
94	35.287	24.72	0.00	6.16	9.07	4.74	13.66	0.00	25.66	0.00	0.00	0.00	0.00	0.00	0.00	79.94	0.00	0.	0.00
95	35.123	24.72	0.00	6.15	9.06	4.75	13.64	0.00	25.75	0.00	0.00	0.00	0.00	0.00	0.00	80.76	0.00	0.	0.00
96	34.958	24.72	0.00	6.14	9.04	4.75	13.61	0.00	25.84	0.00	0.00	0.00	0.00	0.00	0.00	81.57	0.00	0.	0.00
97	34.794	24.72	0.00	6.13	9.03	4.76	13.58	0.00	25.94	0.00	0.00	0.00	0.00	0.00	0.00	82.39	0.00	0.	0.00
98	34.630	24.72	0.00	6.12	9.02	4.77	13.55	0.00	26.03	0.00	0.00	0.00	0.00	0.00	0.00	83.20	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 9 BGT 4-BGT 5 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
99	UPR RCH	0.78953	24.72	0.00	6.12	9.02	4.77	13.55	0.00	26.03	0.00	0.00	0.00	0.00	0.00	83.20	0.00	0.00
EACH	INCR	-0.00016																

********** 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
99	34.63	34.44	0.78937	61.9	0.02968	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
100	34.44	34.24	0.78921	61.9	0.02967	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030

101	34.24	34.05	0.78905	61.9	0.02967	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
102	34.05	33.86	0.78889	61.9	0.02966	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
103	33.86	33.66	0.78873	61.9	0.02966	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
104	33.66	33.47	0.78857	61.9	0.02965	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
105	33.47	33.27	0.78841	61.9	0.02964	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
106	33.27	33.08	0.78825	61.9	0.02964	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
107	33.08	32.89	0.78809	61.9	0.02963	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
108	32.89	32.69	0.78793	61.9	0.02963	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
109	32.69	32.50	0.78777	61.9	0.02962	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
110	32.50	32.31	0.78761	61.9	0.02961	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
111	32.31	32.11	0.78745	61.9	0.02961	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
112	32.11	31.92	0.78729	61.9	0.02960	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
113	31.92	31.73	0.78713	61.9	0.02960	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
114	31.73	31.53	0.78697	61.9	0.02959	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
115	31.53	31.34	0.78681	61.9	0.02958	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
116	31.34	31.15	0.78665	61.9	0.02958	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
117	31.15	30.95	0.78649	61.9	0.02957	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
118	30.95	30.76	0.78633	61.9	0.02957	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
119	30.76	30.56	0.78617	61.9	0.02956	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
120	30.56	30.37	0.78601	61.9	0.02955	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
121	30.37	30.18	0.78585	61.9	0.02955	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
122	30.18	29.98	0.78569	61.9	0.02954	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
123	29.98	29.79	0.78553	61.9	0.02954	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
124	29.79	29.60	0.78537	61.9	0.02953	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
125	29.60	29.40	0.78521	61.9	0.02952	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
126	29.40	29.21	0.78505	61.9	0.02952	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
127	29.21	29.02	0.78489	61.9	0.02951	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
128	29.02	28.82	0.78473	61.9	0.02950	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.030
129	28.82	28.63	0.78457	61.9	0.02950	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
130	28.63	28.43	0.78441	61.9	0.02949	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
131	28.43	28.24	0.78425	61.9	0.02949	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
132	28.24	28.05	0.78409	61.9	0.02948	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
133	28.05	27.85	0.78393	61.9	0.02947	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
134	27.85	27.66	0.78377	61.9	0.02947	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
135	27.66	27.47	0.78361	61.9	0.02946	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
136	27.47	27.27	0.78345	61.9	0.02946	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
137	27.27	27.08	0.78329	61.9	0.02945	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
138	27.08	26.89	0.78313	61.9	0.02944	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.024	0.029
139	26.89	26.69	0.78297	61.9	0.02944	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
140	26.69	26.50	0.78281	61.9	0.02943	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
141	26.50	26.31	0.78265	61.9	0.02943	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
142	26.31	26.11	0.78249	61.9	0.02942	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
143	26.11	25.92	0.78233	61.9	0.02941	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
144	25.92	25.72	0.78217	61.9	0.02941	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029

145	25.72	25.53	0.78201	61.9	0.02940	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
146	25.53	25.34	0.78185	61.9	0.02940	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
147	25.34	25.14	0.78169	61.9	0.02939	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
148	25.14	24.95	0.78153	61.9	0.02938	0.08	1.28	20.73	5149.10	4013.33	26.60	0.00	0.000	0.023	0.029
TOT						3.79			257454.88	200666.41					
AVG					0.0295		1.28	20.73			26.60				
CUM						45.37									

********** 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
99	34.436	8.31	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	34.243	8.31	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	34.049	8.31	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	33.856	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	33.662	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	33.468	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	33.275	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	33.081	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	32.888	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	32.694	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	32.500	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	32.307	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	32.113	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	31.920	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	31.726	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	31.532	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	31.339	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.03	3.03	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	31.145	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	30.952	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	30.758	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	30.564	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	30.371	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	30.177	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	29.984	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	29.790	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	29.596	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	29.403	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	29.209	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

127	29.016	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	28.822	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	28.628	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	28.435	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	28.241	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	28.048	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	27.854	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	27.660	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	27.467	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	27.273	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	27.080	8.30	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	26.886	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	26.692	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	26.499	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	26.305	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	26.112	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	25.918	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	25.724	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	25.531	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.04	3.04	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	25.337	8.29	0.60	0.13	0.06	0.00	0.00	0.00	0.00	3.05	3.05	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	25.144	8.29	0.60	0.12	0.06	0.00	0.00	0.00	0.00	3.05	3.05	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	24.950	8.29	0.60	0.12	0.06	0.00	0.00	0.00	0.00	3.05	3.05	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.55	0.11	0.05	0.00	0.00	0.00	0.00	2.25			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
99	34.436	24.72	0.00	6.12	9.02	4.62	13.54	0.00	25.85	0.00	0.00	0.00	0.00	0.00	0.00	82.07	0.00	0.	0.00
100	34.243	24.72	0.00	6.12	9.02	4.48	13.52	0.00	25.66	0.00	0.00	0.00	0.00	0.00	0.00	80.94	0.00	0.	0.00
101	34.049	24.73	0.00	6.12	9.02	4.35	13.51	0.00	25.48	0.00	0.00	0.00	0.00	0.00	0.00	79.81	0.00	0.	0.00
102	33.856	24.73	0.00	6.12	9.02	4.22	13.49	0.00	25.29	0.00	0.00	0.00	0.00	0.00	0.00	78.68	0.00	0.	0.00
103	33.662	24.73	0.00	6.12	9.02	4.10	13.48	0.00	25.11	0.00	0.00	0.00	0.00	0.00	0.00	77.54	0.00	0.	0.00
104	33.468	24.73	0.00	6.12	9.02	3.98	13.46	0.00	24.92	0.00	0.00	0.00	0.00	0.00	0.00	76.41	0.00	0.	0.00
105	33.275	24.73	0.00	6.12	9.02	3.87	13.45	0.00	24.74	0.00	0.00	0.00	0.00	0.00	0.00	75.28	0.00	0.	0.00
106	33.081	24.73	0.00	6.12	9.02	3.76	13.43	0.00	24.55	0.00	0.00	0.00	0.00	0.00	0.00	74.15	0.00	0.	0.00
107	32.888	24.74	0.00	6.12	9.02	3.66	13.42	0.00	24.37	0.00	0.00	0.00	0.00	0.00	0.00	73.02	0.00	0.	0.00
108	32.694	24.74	0.00	6.12	9.02	3.56	13.40	0.00	24.19	0.00	0.00	0.00	0.00	0.00	0.00	71.89	0.00	0.	0.00
109	32.500	24.74	0.00	6.12	9.02	3.47	13.39	0.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	70.76	0.00	0.	0.00

110	32.307	24.74	0.00	6.12	9.02	3.38	13.38	0.00	23.82	0.00	0.00	0.00	0.00	0.00	0.00	69.63	0.00	0.	0.00
111	32.113	24.74	0.00	6.12	9.02	3.29	13.36	0.00	23.64	0.00	0.00	0.00	0.00	0.00	0.00	68.50	0.00	0.	0.00
112	31.920	24.75	0.00	6.12	9.02	3.21	13.35	0.00	23.45	0.00	0.00	0.00	0.00	0.00	0.00	67.37	0.00	0.	0.00
113	31.726	24.75	0.00	6.12	9.02	3.13	13.34	0.00	23.27	0.00	0.00	0.00	0.00	0.00	0.00	66.24	0.00	0.	0.00
114	31.532	24.75	0.00	6.12	9.02	3.06	13.32	0.00	23.09	0.00	0.00	0.00	0.00	0.00	0.00	65.10	0.00	0.	0.00
115	31.339	24.75	0.00	6.12	9.02	2.98	13.31	0.00	22.91	0.00	0.00	0.00	0.00	0.00	0.00	63.97	0.00	0.	0.00
116	31.145	24.75	0.00	6.12	9.02	2.92	13.30	0.00	22.72	0.00	0.00	0.00	0.00	0.00	0.00	62.84	0.00	0.	0.00
117	30.952	24.75	0.00	6.12	9.02	2.85	13.28	0.00	22.54	0.00	0.00	0.00	0.00	0.00	0.00	61.71	0.00	0.	0.00
118	30.758	24.76	0.00	6.12	9.02	2.79	13.27	0.00	22.36	0.00	0.00	0.00	0.00	0.00	0.00	60.58	0.00	0.	0.00
119	30.564	24.76	0.00	6.12	9.02	2.73	13.26	0.00	22.18	0.00	0.00	0.00	0.00	0.00	0.00	59.45	0.00	0.	0.00
120	30.371	24.76	0.00	6.12	9.02	2.67	13.25	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	58.32	0.00	0.	0.00
121	30.177	24.76	0.00	6.12	9.02	2.62	13.24	0.00	21.81	0.00	0.00	0.00	0.00	0.00	0.00	57.19	0.00	0.	0.00
122	29.984	24.76	0.00	6.12	9.02	2.57	13.22	0.00	21.63	0.00	0.00	0.00	0.00	0.00	0.00	56.06	0.00	0.	0.00
123	29.790	24.76	0.00	6.12	9.02	2.52	13.21	0.00	21.45	0.00	0.00	0.00	0.00	0.00	0.00	54.92	0.00	0.	0.00
124	29.596	24.77	0.00	6.12	9.02	2.47	13.20	0.00	21.27	0.00	0.00	0.00	0.00	0.00	0.00	53.79	0.00	0.	0.00
125	29.403	24.77	0.00	6.12	9.02	2.42	13.19	0.00	21.09	0.00	0.00	0.00	0.00	0.00	0.00	52.66	0.00	0.	0.00
126	29.209	24.77	0.00	6.12	9.02	2.38	13.18	0.00	20.91	0.00	0.00	0.00	0.00	0.00	0.00	51.53	0.00	0.	0.00
127	29.016	24.77	0.00	6.12	9.02	2.34	13.17	0.00	20.73	0.00	0.00	0.00	0.00	0.00	0.00	50.40	0.00	0.	0.00
128	28.822	24.77	0.00	6.12	9.02	2.30	13.16	0.00	20.55	0.00	0.00	0.00	0.00	0.00	0.00	49.27	0.00	0.	0.00
129	28.628	24.78	0.00	6.12	9.02	2.26	13.15	0.00	20.37	0.00	0.00	0.00	0.00	0.00	0.00	48.14	0.00	0.	0.00
130	28.435	24.78	0.00	6.12	9.02	2.23	13.14	0.00	20.19	0.00	0.00	0.00	0.00	0.00	0.00	47.01	0.00	0.	0.00
131	28.241	24.78	0.00	6.12	9.02	2.19	13.13	0.00	20.01	0.00	0.00	0.00	0.00	0.00	0.00	45.88	0.00	0.	0.00
132	28.048	24.78	0.00	6.12	9.02	2.16	13.12	0.00	19.83	0.00	0.00	0.00	0.00	0.00	0.00	44.75	0.00	0.	0.00
133	27.854	24.78	0.00	6.12	9.02	2.13	13.11	0.00	19.65	0.00	0.00	0.00	0.00	0.00	0.00	43.61	0.00	0.	0.00
134	27.660	24.78	0.00	6.12	9.02	2.10	13.10	0.00	19.47	0.00	0.00	0.00	0.00	0.00	0.00	42.48	0.00	0.	0.00
135	27.467	24.79	0.00	6.12	9.02	2.07	13.09	0.00	19.29	0.00	0.00	0.00	0.00	0.00	0.00	41.35	0.00	0.	0.00
136	27.273	24.79	0.00	6.12	9.02	2.04	13.08	0.00	19.11	0.00	0.00	0.00	0.00	0.00	0.00	40.22	0.00	0.	0.00
137	27.080	24.79	0.00	6.12	9.02	2.02	13.07	0.00	18.93	0.00	0.00	0.00	0.00	0.00	0.00	39.09	0.00	0.	0.00
138	26.886	24.79	0.00	6.12	9.02	1.99	13.06	0.00	18.75	0.00	0.00	0.00	0.00	0.00	0.00	37.96	0.00	0.	0.00
139	26.692	24.79	0.00	6.12	9.02	1.97	13.05	0.00	18.57	0.00	0.00	0.00	0.00	0.00	0.00	36.83	0.00	0.	0.00
140	26.499	24.80	0.00	6.12	9.02	1.95	13.04	0.00	18.40	0.00	0.00	0.00	0.00	0.00	0.00	35.70	0.00	0.	0.00
141	26.305	24.80	0.00	6.12	9.02	1.93	13.03	0.00	18.22	0.00	0.00	0.00	0.00	0.00	0.00	34.57	0.00	0.	0.00
142	26.112	24.80	0.00	6.12	9.02	1.91	13.03	0.00	18.04	0.00	0.00	0.00	0.00	0.00	0.00	33.44	0.00	0.	0.00
143	25.918	24.80	0.00	6.12	9.02	1.89	13.02	0.00	17.87	0.00	0.00	0.00	0.00	0.00	0.00	32.31	0.00	0.	0.00
144	25.724	24.80	0.00	6.12	9.02	1.88	13.02	0.00	17.69	0.00	0.00	0.00	0.00	0.00	0.00	31.17	0.00	0.	0.00
145	25.531	24.80	0.00	6.12	9.02	1.87	13.01	0.00	17.52	0.00	0.00	0.00	0.00	0.00	0.00	30.04	0.00	0.	0.00
146	25.337	24.81	0.00	6.12	9.02	1.85	13.01	0.00	17.35	0.00	0.00	0.00	0.00	0.00	0.00	28.91	0.00	0.	0.00
147	25.144	24.81	0.00	6.12	9.02	1.84	13.01	0.00	17.17	0.00	0.00	0.00	0.00	0.00	0.00	27.78	0.00	0.	0.00
148	24.950	24.81	0.00	6.12	9.02	1.83	13.01	0.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	26.65	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 10 BGT 5-BGT 6 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
149	UPR RCH	0.78153	24.81	0.00	6.12	9.02	1.83	13.01	0.00	17.00	0.00	0.00	0.00	0.00	0.00	26.65	0.00	0.00
EACH	INCR	0.00452	0.00	0.00	3.50	5.00	2.25	8.57	0.00			0.00	0.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
149	24.95	24.73	0.78605	61.6	0.02552	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
150	24.73	24.51	0.79057	61.2	0.02567	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
151	24.51	24.29	0.79509	60.9	0.02581	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
152	24.29	24.07	0.79961	60.5	0.02596	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
153	24.07	23.84	0.80413	60.2	0.02611	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.022	0.026
154	23.84	23.62	0.80865	59.8	0.02625	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.026
155	23.62	23.40	0.81317	59.5	0.02640	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.026
156	23.40	23.18	0.81769	59.2	0.02655	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
157	23.18	22.96	0.82221	58.8	0.02670	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
158	22.96	22.74	0.82673	58.5	0.02684	0.10	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
159	22.74	22.52	0.83125	58.2	0.02699	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
160	22.52	22.30	0.83577	57.9	0.02714	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
161	22.30	22.08	0.84029	57.6	0.02728	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.023	0.027
162	22.08	21.86	0.84481	57.3	0.02743	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.027
163	21.86	21.63	0.84933	57.0	0.02758	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
164	21.63	21.41	0.85385	56.7	0.02772	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
165	21.41	21.19	0.85837	56.4	0.02787	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
166	21.19	20.97	0.86289	56.1	0.02802	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
167	20.97	20.75	0.86741	55.8	0.02816	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
168	20.75	20.53	0.87193	55.5	0.02831	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
169	20.53	20.31	0.87645	55.2	0.02846	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.024	0.028
170	20.31	20.09	0.88097	54.9	0.02860	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
171	20.09	19.87	0.88549	54.6	0.02875	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
172	19.87	19.65	0.89001	54.4	0.02890	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
173	19.65	19.42	0.89453	54.1	0.02904	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
174	19.42	19.20	0.89905	53.8	0.02919	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
175	19.20	18.98	0.90357	53.6	0.02934	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029
176	18.98	18.76	0.90809	53.3	0.02948	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.029

177	18.76	18.54	0.91261	53.0	0.02963	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.025	0.030
178	18.54	18.32	0.91713	52.8	0.02978	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
179	18.32	18.10	0.92165	52.5	0.02992	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
180	18.10	17.88	0.92617	52.2	0.03007	0.09	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
181	17.88	17.66	0.93069	52.0	0.03022	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
182	17.66	17.44	0.93521	51.7	0.03036	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.030
183	17.44	17.21	0.93973	51.5	0.03051	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.031
184	17.21	16.99	0.94425	51.2	0.03066	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.031
185	16.99	16.77	0.94877	51.0	0.03080	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.026	0.031
186	16.77	16.55	0.95329	50.8	0.03095	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
187	16.55	16.33	0.95781	50.5	0.03110	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
188	16.33	16.11	0.96233	50.3	0.03124	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
189	16.11	15.89	0.96685	50.0	0.03139	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.031
190	15.89	15.67	0.97137	49.8	0.03154	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
191	15.67	15.45	0.97589	49.6	0.03168	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
192	15.45	15.23	0.98041	49.4	0.03183	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
193	15.23	15.00	0.98493	49.1	0.03198	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.027	0.032
194	15.00	14.78	0.98945	48.9	0.03213	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.032
195	14.78	14.56	0.99397	48.7	0.03227	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.032
196	14.56	14.34	0.99849	48.5	0.03242	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.032
197	14.34	14.12	1.00301	48.2	0.03257	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.033
198	14.12	13.90	1.00753	48.0	0.03271	0.08	1.40	22.00	6806.80	4862.00	30.80	0.00	0.000	0.028	0.033
TOT						4.42			340340.06	243100.00					
AVG					0.0290		1.40	22.00			30.80				
CUM						49.78									

********** 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
149	24.729	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	24.508	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	24.287	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	24.066	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	23.845	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	23.624	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	23.403	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	23.182	8.29	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	22.961	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	22.740	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

159	22.519	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	22.298	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.83	1.83	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	22.077	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	21.856	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	21.635	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	21.414	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	21.193	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	20.972	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	20.751	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	20.530	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	20.309	8.28	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	20.088	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	19.867	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	19.646	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	19.425	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	19.204	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	18.983	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	18.762	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.84	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	18.541	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	18.320	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	18.099	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	17.878	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181	17.657	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182	17.436	8.27	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
183	17.215	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184	16.994	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	16.773	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
186	16.552	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
187	16.331	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
188	16.110	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189	15.889	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190	15.668	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
191	15.447	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192	15.226	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193	15.005	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.85	1.85	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
194	14.784	8.26	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	14.563	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196	14.342	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	14.121	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198	13.900	8.25	0.55	0.12	0.06	0.00	0.00	0.00	0.00	1.86	1.86	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.50	0.10	0.05	0.00	0.00	0.00	0.00	1.35			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
149	24.729	24.82	0.00	6.11	8.99	1.90	13.07	0.00	17.09	0.00	0.00	0.00	0.00	0.00	0.00	26.84	0.00	0.	0.00
150	24.508	24.82	0.00	6.09	8.97	1.96	13.12	0.00	17.18	0.00	0.00	0.00	0.00	0.00	0.00	27.02	0.00	0.	0.00
151	24.287	24.83	0.00	6.08	8.95	2.01	13.18	0.00	17.26	0.00	0.00	0.00	0.00	0.00	0.00	27.21	0.00	0.	0.00
152	24.066	24.83	0.00	6.06	8.93	2.06	13.23	0.00	17.34	0.00	0.00	0.00	0.00	0.00	0.00	27.40	0.00	0.	0.00
153	23.845	24.84	0.00	6.05	8.90	2.10	13.28	0.00	17.42	0.00	0.00	0.00	0.00	0.00	0.00	27.58	0.00	0.	0.00
154	23.624	24.84	0.00	6.04	8.88	2.14	13.33	0.00	17.49	0.00	0.00	0.00	0.00	0.00	0.00	27.77	0.00	0.	0.00
155	23.403	24.85	0.00	6.02	8.86	2.18	13.37	0.00	17.57	0.00	0.00	0.00	0.00	0.00	0.00	27.96	0.00	0.	0.00
156	23.182	24.85	0.00	6.01	8.84	2.22	13.42	0.00	17.64	0.00	0.00	0.00	0.00	0.00	0.00	28.15	0.00	0.	0.00
157	22.961	24.86	0.00	5.99	8.82	2.25	13.46	0.00	17.71	0.00	0.00	0.00	0.00	0.00	0.00	28.33	0.00	0.	0.00
158	22.740	24.86	0.00	5.98	8.80	2.28	13.51	0.00	17.78	0.00	0.00	0.00	0.00	0.00	0.00	28.52	0.00	0.	0.00
159	22.519	24.87	0.00	5.97	8.78	2.31	13.55	0.00	17.85	0.00	0.00	0.00	0.00	0.00	0.00	28.71	0.00	0.	0.00
160	22.298	24.87	0.00	5.95	8.76	2.33	13.59	0.00	17.92	0.00	0.00	0.00	0.00	0.00	0.00	28.89	0.00	0.	0.00
161	22.077	24.88	0.00	5.94	8.74	2.36	13.63	0.00	17.99	0.00	0.00	0.00	0.00	0.00	0.00	29.08	0.00	0.	0.00
162	21.856	24.88	0.00	5.93	8.72	2.38	13.66	0.00	18.05	0.00	0.00	0.00	0.00	0.00	0.00	29.27	0.00	0.	0.00
163	21.635	24.89	0.00	5.91	8.70	2.40	13.70	0.00	18.12	0.00	0.00	0.00	0.00	0.00	0.00	29.45	0.00	0.	0.00
164	21.414	24.89	0.00	5.90	8.68	2.41	13.74	0.00	18.18	0.00	0.00	0.00	0.00	0.00	0.00	29.64	0.00	0.	0.00
165	21.193	24.90	0.00	5.89	8.66	2.43	13.77	0.00	18.25	0.00	0.00	0.00	0.00	0.00	0.00	29.83	0.00	0.	0.00
166	20.972	24.90	0.00	5.88	8.64	2.45	13.81	0.00	18.31	0.00	0.00	0.00	0.00	0.00	0.00	30.02	0.00	0.	0.00
167	20.751	24.91	0.00	5.86	8.62	2.46	13.84	0.00	18.37	0.00	0.00	0.00	0.00	0.00	0.00	30.20	0.00	0.	0.00
168	20.530	24.91	0.00	5.85	8.60	2.47	13.87	0.00	18.43	0.00	0.00	0.00	0.00	0.00	0.00	30.39	0.00	0.	0.00
169	20.309	24.92	0.00	5.84	8.58	2.48	13.90	0.00	18.49	0.00	0.00	0.00	0.00	0.00	0.00	30.58	0.00	0.	0.00
170	20.088	24.92	0.00	5.83	8.56	2.50	13.93	0.00	18.55	0.00	0.00	0.00	0.00	0.00	0.00	30.76	0.00	0.	0.00
171	19.867	24.93	0.00	5.82	8.54	2.50	13.96	0.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	30.95	0.00	0.	0.00
172	19.646	24.93	0.00	5.80	8.53	2.51	13.99	0.00	18.66	0.00	0.00	0.00	0.00	0.00	0.00	31.14	0.00	0.	0.00
173	19.425	24.94	0.00	5.79	8.51	2.52	14.02	0.00	18.72	0.00	0.00	0.00	0.00	0.00	0.00	31.32	0.00	0.	0.00
174	19.204	24.95	0.00	5.78	8.49	2.53	14.05	0.00	18.77	0.00	0.00	0.00	0.00	0.00	0.00	31.51	0.00	0.	0.00
175	18.983	24.95	0.00	5.77	8.47	2.53	14.07	0.00	18.83	0.00	0.00	0.00	0.00	0.00	0.00	31.70	0.00	0.	0.00
176	18.762	24.96	0.00	5.76	8.46	2.54	14.10	0.00	18.88	0.00	0.00	0.00	0.00	0.00	0.00	31.89	0.00	0.	0.00
177	18.541	24.96	0.00	5.75	8.44	2.54	14.12	0.00	18.94	0.00	0.00	0.00	0.00	0.00	0.00	32.07	0.00	0.	0.00
178	18.320	24.97	0.00	5.74	8.42	2.55	14.15	0.00	18.99	0.00	0.00	0.00	0.00	0.00	0.00	32.26	0.00	0.	0.00
179	18.099	24.97	0.00	5.72	8.41	2.55	14.17	0.00	19.04	0.00	0.00	0.00	0.00	0.00	0.00	32.45	0.00	0.	0.00
180	17.878	24.98	0.00	5.71	8.39	2.56	14.20	0.00	19.09	0.00	0.00	0.00	0.00	0.00	0.00	32.63	0.00	0.	0.00
181	17.657	24.98	0.00	5.70	8.37	2.56	14.22	0.00	19.14	0.00	0.00	0.00	0.00	0.00	0.00	32.82	0.00	0.	0.00
182	17.436	24.99	0.00	5.69	8.36	2.56	14.24	0.00	19.19	0.00	0.00	0.00	0.00	0.00	0.00	33.01	0.00	0.	0.00
183	17.215	24.99	0.00	5.68	8.34	2.56	14.26	0.00	19.24	0.00	0.00	0.00	0.00	0.00	0.00	33.19	0.00	0.	0.00
184	16.994	25.00	0.00	5.67	8.32	2.56	14.28	0.00	19.29	0.00	0.00	0.00	0.00	0.00	0.00	33.38	0.00	0.	0.00
185	16.773	25.00	0.00	5.66	8.31	2.57	14.30	0.00	19.34	0.00	0.00	0.00	0.00	0.00	0.00	33.57	0.00	0.	0.00

186	16.552	25.01	0.00	5.65	8.29	2.57	14.32	0.00	19.39	0.00	0.00	0.00	0.00	0.00	0.00	33.76	0.00	0.	0.00
187	16.331	25.01	0.00	5.64	8.28	2.57	14.34	0.00	19.43	0.00	0.00	0.00	0.00	0.00	0.00	33.94	0.00	0.	0.00
188	16.110	25.02	0.00	5.63	8.26	2.57	14.36	0.00	19.48	0.00	0.00	0.00	0.00	0.00	0.00	34.13	0.00	0.	0.00
189	15.889	25.02	0.00	5.62	8.25	2.57	14.38	0.00	19.53	0.00	0.00	0.00	0.00	0.00	0.00	34.32	0.00	0.	0.00
190	15.668	25.03	0.00	5.61	8.23	2.57	14.40	0.00	19.57	0.00	0.00	0.00	0.00	0.00	0.00	34.50	0.00	0.	0.00
191	15.447	25.03	0.00	5.60	8.22	2.57	14.41	0.00	19.62	0.00	0.00	0.00	0.00	0.00	0.00	34.69	0.00	0.	0.00
192	15.226	25.04	0.00	5.59	8.20	2.57	14.43	0.00	19.66	0.00	0.00	0.00	0.00	0.00	0.00	34.88	0.00	0.	0.00
193	15.005	25.04	0.00	5.58	8.19	2.56	14.45	0.00	19.71	0.00	0.00	0.00	0.00	0.00	0.00	35.06	0.00	0.	0.00
194	14.784	25.05	0.00	5.57	8.17	2.56	14.46	0.00	19.75	0.00	0.00	0.00	0.00	0.00	0.00	35.25	0.00	0.	0.00
195	14.563	25.05	0.00	5.56	8.16	2.56	14.48	0.00	19.79	0.00	0.00	0.00	0.00	0.00	0.00	35.44	0.00	0.	0.00
196	14.342	25.06	0.00	5.55	8.14	2.56	14.49	0.00	19.84	0.00	0.00	0.00	0.00	0.00	0.00	35.63	0.00	0.	0.00
197	14.121	25.06	0.00	5.54	8.13	2.56	14.51	0.00	19.88	0.00	0.00	0.00	0.00	0.00	0.00	35.81	0.00	0.	0.00
198	13.900	25.07	0.00	5.53	8.12	2.56	14.52	0.00	19.92	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 11 BGT 6-GRAND BAYOU 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
199	UPR RCH	1.00753	25.07	0.00	5.53	8.12	2.56	14.52	0.00	19.92	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
199	13.90	13.68	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
200	13.68	13.46	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
201	13.46	13.23	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
202	13.23	13.01	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
203	13.01	12.79	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
204	12.79	12.57	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
205	12.57	12.35	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
206	12.35	12.12	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
207	12.12	11.90	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028
208	11.90	11.68	1.00753	48.0	0.02799	0.09	1.55	23.16	7989.92	5141.52	35.99	0.00	0.000	0.026	0.028

TOT						0.92					79899.22	51415.20										
AVG				0.0280			1.55	23.16						35.99								
CUM						50.70																

********** 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
199	13.678	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	13.456	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
201	13.234	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202	13.012	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	12.790	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	12.568	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	12.346	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206	12.124	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
207	11.902	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
208	11.680	8.25	0.50	0.12	0.06	0.00	0.00	0.00	0.00	1.93	1.93	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	1.40			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
199	13.678	25.07	0.00	5.53	8.12	2.55	14.61	0.00	19.98	0.00	0.00	0.00	0.00	0.00	0.00	35.80	0.00	0.	0.00
200	13.456	25.07	0.00	5.53	8.12	2.53	14.69	0.00	20.03	0.00	0.00	0.00	0.00	0.00	0.00	35.60	0.00	0.	0.00
201	13.234	25.07	0.00	5.53	8.12	2.52	14.77	0.00	20.08	0.00	0.00	0.00	0.00	0.00	0.00	35.40	0.00	0.	0.00
202	13.012	25.07	0.00	5.53	8.12	2.51	14.85	0.00	20.13	0.00	0.00	0.00	0.00	0.00	0.00	35.20	0.00	0.	0.00
203	12.790	25.07	0.00	5.53	8.12	2.50	14.92	0.00	20.17	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.	0.00
204	12.568	25.07	0.00	5.53	8.12	2.48	15.00	0.00	20.22	0.00	0.00	0.00	0.00	0.00	0.00	34.80	0.00	0.	0.00
205	12.346	25.07	0.00	5.53	8.12	2.47	15.08	0.00	20.27	0.00	0.00	0.00	0.00	0.00	0.00	34.60	0.00	0.	0.00
206	12.124	25.07	0.00	5.53	8.12	2.46	15.15	0.00	20.31	0.00	0.00	0.00	0.00	0.00	0.00	34.40	0.00	0.	0.00
207	11.902	25.07	0.00	5.53	8.12	2.45	15.22	0.00	20.35	0.00	0.00	0.00	0.00	0.00	0.00	34.20	0.00	0.	0.00
208	11.680	25.07	0.00	5.54	8.13	2.43	15.30	0.00	20.40	0.00	0.00	0.00	0.00	0.00	0.00	34.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 12 GRAND BAYOU-CATFISH CANAL 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
209	UPR RCH	1.00753	25.07	0.00	5.54	8.13	2.43	15.30	0.00	20.40	0.00	0.00	0.00	0.00	0.00	34.00	0.00	0.00
209	WSTLD	0.47459	21.70	0.00	7.40	15.30	2.77	16.47	0.00	16.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
209	11.68	11.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
210	11.43	11.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
211	11.18	10.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
212	10.93	10.68	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
213	10.68	10.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
214	10.43	10.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
215	10.18	9.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
216	9.93	9.68	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
217	9.68	9.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
218	9.43	9.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
219	9.18	8.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
220	8.93	8.68	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
221	8.68	8.43	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
222	8.43	8.18	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
223	8.18	7.93	1.48212	64.7	0.03193	0.09	1.55	29.87	11604.50	7467.50	46.42	0.00	0.000	0.030	0.032
TOT						1.36			174067.42	112012.50					
AVG					0.0319		1.55	29.87			46.42				
CUM						52.06									

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

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

		mg/L	1/da	1/da	1/da	1/da	1/da	1/da	1/da	*	*	*	1/da	1/da	1/da	*	1/da	*	**	**	1/da	1/da	1/da
209	11.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210	11.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211	10.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	10.680	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	10.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	10.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	9.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
216	9.680	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
217	9.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
218	9.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
219	8.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	8.680	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	8.430	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
222	8.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	7.930	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
209	11.430	25.07	0.00	6.13	10.42	2.52	15.60	0.00	20.67	0.00	0.00	0.00	0.00	0.00	0.00	33.80	0.00	0.	0.00
210	11.180	25.07	0.00	6.13	10.42	2.50	15.53	0.00	20.57	0.00	0.00	0.00	0.00	0.00	0.00	33.60	0.00	0.	0.00
211	10.930	25.07	0.00	6.13	10.42	2.48	15.46	0.00	20.47	0.00	0.00	0.00	0.00	0.00	0.00	33.40	0.00	0.	0.00
212	10.680	25.07	0.00	6.13	10.42	2.46	15.39	0.00	20.37	0.00	0.00	0.00	0.00	0.00	0.00	33.20	0.00	0.	0.00
213	10.430	25.07	0.00	6.13	10.42	2.44	15.33	0.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.	0.00
214	10.180	25.07	0.00	6.13	10.42	2.43	15.26	0.00	20.18	0.00	0.00	0.00	0.00	0.00	0.00	32.80	0.00	0.	0.00
215	9.930	25.07	0.00	6.13	10.42	2.41	15.20	0.00	20.09	0.00	0.00	0.00	0.00	0.00	0.00	32.60	0.00	0.	0.00
216	9.680	25.07	0.00	6.13	10.42	2.40	15.13	0.00	19.99	0.00	0.00	0.00	0.00	0.00	0.00	32.40	0.00	0.	0.00
217	9.430	25.07	0.00	6.13	10.42	2.39	15.07	0.00	19.90	0.00	0.00	0.00	0.00	0.00	0.00	32.20	0.00	0.	0.00
218	9.180	25.07	0.00	6.13	10.42	2.38	15.01	0.00	19.81	0.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00	0.	0.00
219	8.930	25.07	0.00	6.13	10.42	2.37	14.95	0.00	19.72	0.00	0.00	0.00	0.00	0.00	0.00	31.80	0.00	0.	0.00
220	8.680	25.07	0.00	6.13	10.42	2.36	14.89	0.00	19.63	0.00	0.00	0.00	0.00	0.00	0.00	31.60	0.00	0.	0.00
221	8.430	25.07	0.00	6.13	10.42	2.35	14.83	0.00	19.54	0.00	0.00	0.00	0.00	0.00	0.00	31.40	0.00	0.	0.00
222	8.180	25.07	0.00	6.13	10.42	2.34	14.77	0.00	19.45	0.00	0.00	0.00	0.00	0.00	0.00	31.20	0.00	0.	0.00
223	7.930	25.07	0.00	6.13	10.42	2.34	14.71	0.00	19.36	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 13 CATFISH CANAL-ICWW DIVERSION 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
224	UPR RCH	1.48212	25.07	0.00	6.13	10.42	2.34	14.71	0.00	19.36	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.00
224	WSTLD	0.00651	19.10	0.00	12.00	20.90	4.26	24.13	0.00	24.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW 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
224	7.93	7.73	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
225	7.73	7.54	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
226	7.54	7.34	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
227	7.34	7.14	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
228	7.14	6.95	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
229	6.95	6.75	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
230	6.75	6.56	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
231	6.56	6.36	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
232	6.36	6.16	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
233	6.16	5.97	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
234	5.97	5.77	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
235	5.77	5.57	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
236	5.57	5.38	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
237	5.38	5.18	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
238	5.18	4.98	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
239	4.98	4.79	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
240	4.79	4.59	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
241	4.59	4.39	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
242	4.39	4.20	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
243	4.20	4.00	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
244	4.00	3.81	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
245	3.81	3.61	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
246	3.61	3.41	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032
247	3.41	3.22	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032

248	3.22	3.02	1.48863	64.8	0.03207	0.07	1.55	29.87	9116.49	5866.47	46.42	0.00	0.000	0.030	0.032							
TOT						1.77			227912.38	146661.70												
AVG					0.0321		1.55	29.87			46.42											
CUM						53.83																

********** 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
224	7.734	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	7.537	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226	7.341	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
227	7.144	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
228	6.948	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229	6.752	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	6.555	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
231	6.359	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
232	6.162	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
233	5.966	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
234	5.770	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	5.573	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
236	5.377	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
237	5.180	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
238	4.984	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
239	4.788	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240	4.591	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
241	4.395	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
242	4.198	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
243	4.002	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
244	3.806	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	3.609	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
246	3.413	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247	3.216	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	3.020	8.25	0.50	0.11	0.06	0.00	0.00	0.00	0.00	2.20	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.45	0.09	0.05	0.00	0.00	0.00	0.00	1.60			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
224	7.734	25.07	0.00	6.16	10.46	2.34	14.71	0.00	19.35	0.00	0.00	0.00	0.00	0.00	0.00	30.90	0.00	0.	0.00
225	7.537	25.07	0.00	6.16	10.46	2.34	14.67	0.00	19.29	0.00	0.00	0.00	0.00	0.00	0.00	30.79	0.00	0.	0.00
226	7.341	25.07	0.00	6.16	10.46	2.33	14.63	0.00	19.24	0.00	0.00	0.00	0.00	0.00	0.00	30.69	0.00	0.	0.00
227	7.144	25.07	0.00	6.16	10.46	2.33	14.60	0.00	19.18	0.00	0.00	0.00	0.00	0.00	0.00	30.58	0.00	0.	0.00
228	6.948	25.07	0.00	6.16	10.46	2.32	14.56	0.00	19.13	0.00	0.00	0.00	0.00	0.00	0.00	30.48	0.00	0.	0.00
229	6.752	25.07	0.00	6.16	10.46	2.32	14.52	0.00	19.08	0.00	0.00	0.00	0.00	0.00	0.00	30.38	0.00	0.	0.00
230	6.555	25.07	0.00	6.16	10.46	2.32	14.48	0.00	19.02	0.00	0.00	0.00	0.00	0.00	0.00	30.27	0.00	0.	0.00
231	6.359	25.07	0.00	6.16	10.46	2.31	14.45	0.00	18.97	0.00	0.00	0.00	0.00	0.00	0.00	30.17	0.00	0.	0.00
232	6.162	25.07	0.00	6.16	10.46	2.31	14.41	0.00	18.92	0.00	0.00	0.00	0.00	0.00	0.00	30.06	0.00	0.	0.00
233	5.966	25.07	0.00	6.16	10.46	2.31	14.37	0.00	18.87	0.00	0.00	0.00	0.00	0.00	0.00	29.96	0.00	0.	0.00
234	5.770	25.07	0.00	6.16	10.46	2.31	14.34	0.00	18.82	0.00	0.00	0.00	0.00	0.00	0.00	29.86	0.00	0.	0.00
235	5.573	25.07	0.00	6.16	10.46	2.31	14.30	0.00	18.77	0.00	0.00	0.00	0.00	0.00	0.00	29.75	0.00	0.	0.00
236	5.377	25.07	0.00	6.16	10.46	2.31	14.27	0.00	18.72	0.00	0.00	0.00	0.00	0.00	0.00	29.65	0.00	0.	0.00
237	5.180	25.07	0.00	6.16	10.46	2.30	14.23	0.00	18.67	0.00	0.00	0.00	0.00	0.00	0.00	29.54	0.00	0.	0.00
238	4.984	25.07	0.00	6.16	10.46	2.30	14.20	0.00	18.62	0.00	0.00	0.00	0.00	0.00	0.00	29.44	0.00	0.	0.00
239	4.788	25.07	0.00	6.16	10.46	2.30	14.17	0.00	18.57	0.00	0.00	0.00	0.00	0.00	0.00	29.34	0.00	0.	0.00
240	4.591	25.07	0.00	6.16	10.46	2.30	14.13	0.00	18.52	0.00	0.00	0.00	0.00	0.00	0.00	29.23	0.00	0.	0.00
241	4.395	25.07	0.00	6.16	10.46	2.30	14.10	0.00	18.47	0.00	0.00	0.00	0.00	0.00	0.00	29.13	0.00	0.	0.00
242	4.198	25.07	0.00	6.16	10.46	2.30	14.07	0.00	18.42	0.00	0.00	0.00	0.00	0.00	0.00	29.02	0.00	0.	0.00
243	4.002	25.07	0.00	6.16	10.46	2.31	14.04	0.00	18.38	0.00	0.00	0.00	0.00	0.00	0.00	28.92	0.00	0.	0.00
244	3.806	25.07	0.00	6.16	10.46	2.31	14.01	0.00	18.33	0.00	0.00	0.00	0.00	0.00	0.00	28.82	0.00	0.	0.00
245	3.609	25.07	0.00	6.16	10.46	2.31	13.97	0.00	18.28	0.00	0.00	0.00	0.00	0.00	0.00	28.71	0.00	0.	0.00
246	3.413	25.07	0.00	6.16	10.46	2.31	13.94	0.00	18.24	0.00	0.00	0.00	0.00	0.00	0.00	28.61	0.00	0.	0.00
247	3.216	25.07	0.00	6.16	10.46	2.31	13.91	0.00	18.19	0.00	0.00	0.00	0.00	0.00	0.00	28.50	0.00	0.	0.00
248	3.020	25.07	0.00	6.16	10.46	2.31	13.88	0.00	18.14	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 14 ICWW DIVERSION-BGT 7 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
249	UPR RCH	1.48863	25.07	0.00	6.16	10.46	2.31	13.88	0.00	18.14	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.00
249	WSTLD	-0.85000	25.07	0.00	6.16	10.46	2.39	13.92	0.00	18.18	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
249	3.02	2.81	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
250	2.81	2.60	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
251	2.60	2.38	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
252	2.38	2.17	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
253	2.17	1.96	0.63863	64.8	0.03264	0.08	0.65	29.87	4147.75	6332.44	19.56	0.00	0.000	0.015	0.033
TOT						0.38			20738.74	31662.20					
AVG					0.0326		0.65	29.87			19.56				
CUM						54.21									

********** 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
249	2.808	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	2.596	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
251	2.384	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
252	2.172	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
253	1.960	8.25	1.90	0.11	0.06	0.00	0.00	0.00	0.00	4.82	4.82	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.73	0.08	0.05	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
249	2.808	25.07	0.00	6.16	10.46	2.39	13.92	0.00	18.18	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
250	2.596	25.07	0.00	6.16	10.46	2.54	14.00	0.00	18.26	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
251	2.384	25.07	0.00	6.16	10.46	2.67	14.08	0.00	18.34	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00
252	2.172	25.07	0.00	6.16	10.46	2.79	14.16	0.00	18.42	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00

253	1.960	25.07	0.00	6.16	10.46	2.89	14.24	0.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.	0.00		

FINAL REPORT False River Overflow BAYOU GROSS TETE CALIBRATION
REACH NO. 15 BGT 7-INTRACOASTAL WATERWAY 08/26/04

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
254	UPR RCH	0.63863	25.07	0.00	6.16	10.46	2.89	14.24	0.00	18.50	0.00	0.00	0.00	0.00	0.00	28.40	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
254	1.96	1.72	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
255	1.72	1.47	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
256	1.47	1.23	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
257	1.23	0.98	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
258	0.98	0.74	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
259	0.74	0.49	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
260	0.49	0.25	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
261	0.25	0.00	0.63863	64.8	0.03264	0.09	0.65	29.87	4793.39	7318.15	19.56	0.00	0.000	0.015	0.033
TOT						0.69			38347.11	58545.20					
AVG					0.0326		0.65	29.87			19.56				
CUM						54.90									

********** 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
254	1.715	8.28	1.90	0.10	0.06	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	1.470	8.30	1.89	0.10	0.06	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
256	1.225	8.32	1.89	0.10	0.06	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

257	0.980	8.35	1.88	0.10	0.06	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	0.00	0.00
258	0.735	8.37	1.87	0.10	0.06	0.00	0.00	0.00	0.00	4.59	4.59	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
259	0.490	8.39	1.87	0.10	0.06	0.00	0.00	0.00	0.00	4.54	4.54	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
260	0.245	8.42	1.86	0.10	0.05	0.00	0.00	0.00	0.00	4.50	4.50	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
261	0.000	8.44	1.86	0.10	0.05	0.00	0.00	0.00	0.00	4.46	4.46	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.73	0.08	0.05	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I MG/L	CM-II MG/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
254	1.715	24.92	0.00	6.16	10.46	3.00	14.33	0.00	18.33	0.00	0.00	0.00	0.00	0.00	0.00	26.67	0.00	0.	0.00
255	1.470	24.76	0.00	6.16	10.46	3.10	14.42	0.00	18.16	0.00	0.00	0.00	0.00	0.00	0.00	24.95	0.00	0.	0.00
256	1.225	24.61	0.00	6.16	10.46	3.19	14.50	0.00	17.98	0.00	0.00	0.00	0.00	0.00	0.00	23.23	0.00	0.	0.00
257	0.980	24.45	0.00	6.16	10.46	3.28	14.59	0.00	17.81	0.00	0.00	0.00	0.00	0.00	0.00	21.50	0.00	0.	0.00
258	0.735	24.30	0.00	6.16	10.46	3.36	14.67	0.00	17.64	0.00	0.00	0.00	0.00	0.00	0.00	19.77	0.00	0.	0.00
259	0.490	24.15	0.00	6.16	10.46	3.43	14.76	0.00	17.46	0.00	0.00	0.00	0.00	0.00	0.00	18.05	0.00	0.	0.00
260	0.245	23.99	0.00	6.16	10.46	3.50	14.84	0.00	17.29	0.00	0.00	0.00	0.00	0.00	0.00	16.33	0.00	0.	0.00
261	0.000	23.84	0.00	6.19	10.55	3.57	14.89	0.00	17.08	0.00	0.00	0.00	0.00	0.00	0.00	14.60	0.00	0.	0.00

STREAM SUMMARY
False River Overflow

BAYOU GROSS TETE CALIBRATION
08/26/04

TRAVEL TIME	=	54.90 DAYS		
MAXIMUM EFFLUENT	=	81.03 PERCENT		
FLOW	=	0.01053 TO	1.48863	m³/s
DISPERSION	=	0.0002 TO	0.0300	m²/s
VELOCITY	=	0.00039 TO	0.05510	m/s
DEPTH	=	0.63 TO	1.55	m
WIDTH	=	20.73 TO	37.80	m
BOD DECAY	=	0.10 TO	0.14	per day
NH3 DECAY	=	0.00 TO	0.00	per day
SOD	=	1.66 TO	4.99	g/m²/d
NH3 SOURCE	=	0.00 TO	0.00	g/m²/d
REAERATION	=	0.50 TO	2.52	per day

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BOD SETTLING      =    0.05   TO    0.06      per day
ORG-N DECAY       =    0.00   TO    0.00      per day
ORG-N SETTLING    =    0.00   TO    0.00      per day

TEMPERATURE       =   23.30   TO   25.07      deg C
DISSOLVED OXYGEN  =    1.83   TO    4.98      mg/L


     .....EXECUTION COMPLETED
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