EXPANATORY NOTE:

After publication of this TMDL, Subsegments 060205 and 060301 were combined into one subsegment, 060301.

Previously, 060205 was described as: Bayou Teche – Headwaters at Bayou Courtableau to Interstate Hwy. 10.

Previously 060301 was described as: Bayou Teche - Interstate Hwy. 10 to Keystone Locks and Dam.

The combined subsegment 060301 is described as: Bayou Teche – Headwaters at Bayou Courtableau to Keystone Locks and Dam.

BAYOU TECHE WATERSHED TMDL
FOR DISSOLVED OXYGEN
INCLUDING WLAS FOR TWENTY-TWO FACILITIES
AND ADDRESSING NUTRIENTS

SUBSEGMENTS 060205, 060301, 060401, AND 060501

SURVEYED APRIL AND NOVEMBER, 1978

Engineering Library

By:

Jay Carney
Louisiana Department of Environmental Quality
Office of Environmental Assessment
Environmental Technology Division
Engineering Services Group 2

December 1, 1999
Revised: January 5, 2000

FINAL

BAYOU TECHE WATERSHED TMDL
FOR DISSOLVED OXYGEN
INCLUDING WLAS FOR TWENTY-TWO FACILITIES
AND ADDRESSING NUTRIENTS

SUBSEGMENTS 060205, 060301, 060401, AND 060501

SURVEYED APRIL AND NOVEMBER, 1978

By:

Jay Carney
Louisiana Department of Environmental Quality
Office of Environmental Assessment
Environmental Technology Division
Engineering Services Group 2

December 1, 1999
Revised: January 5, 2000

EXECUTIVE SUMMARY

This report presents the results of a watershed based, calibrated modeling analysis of Bayou Teche. The modeling was conducted to establish a dissolved oxygen TMDL for the Bayou Teche watershed. The model extends from the headwaters at Bayou Courtableau near Port Barre to just above the northern section of the Charenton Drainage and Navigation Canal. Bayou Teche is in the Vermilion-Teche River Basin and includes water quality subsegments 060205, 060301, 060401, and 060501. A total of twenty-two facilities were included in the modeling effort.

The 1996 303(d) list cites Bayou Teche, subsegments 060205, 060301, 060401, and 060501 as being impaired due to organic enrichment/low DO. Subsegment 060205 is listed as priority nine, and subsegments 060301, 060401, and 060501 are listed as priority seven. The 1998 303(d) list cites two areas of Bayou Teche, subsegments 060401 and 060501, as being impaired due to organic enrichment/low DO. Both of these subsegments are priority one and require the development of a Total Maximum Daily Load (TMDL) for dissolved oxygen (DO).

Bayou Teche was also listed as impaired due to nutrients. The 1996 303(d) list cites subsegment 060401 as being impaired due to nutrients and the 1998 303(d) list cites subsegments 060401 and 060501 as being impaired due to nutrients. Bayou Teche has natural levees which convey nonpoint sources away from the Bayou. The sources for nutrients in Bayou Teche are the upstream watersheds, Bayou Cocodrie and the Atchafalaya Basin. LDEQ's position, as supported by the ruling in the lawsuit regarding water quality criteria for nutrients (Sierra Club v. Givens, 710 So.2d 249 (La. App. 1st Cir. 1997), writ denied, 705 So.2d 1106 (La. 1998), is that when oxygen-demanding substances are controlled and limited in order to ensure that the dissolved oxygen criterion is supported, nutrients are also controlled and limited. The implementation of best management practices in the Bayou Cocodrie watershed and the Atchafalaya Basin to control and reduce runoff of soil and oxygen-demanding pollutants from nonpoint sources will also control and reduce the nutrient loading entering the Bayou Teche watershed. The primary nutrient source is the Atchafalaya Basin which has the Mississippi River as its primary source. The key to reducing nutrient loading in Bayou Teche is the reduction of nutrient loading to the Mississippi River.

Subsegment 060501 was not included in this modeling effort. This subsegment of Bayou Teche is a conveyance channel that stretches from Wax Lake Outlet to the southern section of the Charenton Drainage and Navigation Canal. The source of water for this subsegment is either Wax Lake Outlet or the Lower Atchafalaya River depending on the operation of the East Calumet Floodgate. This stretch of Bayou Teche exhibits negative and positive flow as indicated at the USGS Station 07385800 near Franklin, Louisiana. A review of the flow data at the station for the period of 1986-1992 revealed that only 125 values out of 1,911 were positive. The remainder were negative indicating that the flow in subsegment 060501 is predominately coming through the West Calumet Floodgate and into the southern section of the Charenton Drainage and Navigation Canal where it exits. There are no point sources discharging to this reach of Bayou Teche;

therefore, the Waste Load Allocation (WLA) is zero. Also, the Load Allocation (LA) for man-made nonpoint source contributions is assumed to be zero due to the natural levee along Bayou Teche. Therefore, the loading for this subsegment is the background loading which comes from the Atchafalaya Basin. This loading from the Atchafalaya Basin has not been quantified at this time.

Input data for the calibration model for DO was developed from the previous model completed in 1984. The 1984 model used data from surveys conducted in April and November 1978. A satisfactory calibration was achieved. For the projection models, data was taken from the current discharge permits and applications.

LIMNOSS, a well documented and frequently utilized water quality model, was used in this study. Its popularity is derived from the simplicity of its input dataset construction and comprehensible output. LIMNOSS is a one-dimensional, steady-state dissolved oxygen (DO) model developed by LimnoTech, Inc. (LimnoTech, 1984). The program is written in FORTRAN IV, and uses a finite-difference solution technique that is a recognized method for water quality simulations under flowing conditions.

The current state standard requires a DO of 5 mg/L throughout the year. A UAA is proposed reducing the DO standard for Bayou Teche to 3 mg/L March-November and 5 mg/L December-February. Therefore, model projections were performed at those particular seasons. In addition, projections were performed at the current year-round DO criterion of 5 mg/L using the same seasons as mentioned above. Projection results are summarized below.

Summer, March-November, 3 DO criterion and Winter, December-February, 5 DO criterion:

These two scenarios met the DO criterion without assigning stricter limits for the facilities. Furthermore, the SOD was kept at the calibration values. The minimum summer DO was 4.3 mg/L and the minimum winter DO was 5.2 mg/L. The resulting permit limits and TMDLs are shown in the tables below.

Permit Limits for March-November with DO criterion of 3 mg/L and December-February with DO criterion of 5 mg/L:

FACILITY	CURRENT PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L	PROPOSED PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L
Port Barre, Town of; Port Barre Wastewater Treatment Plant	10/*/*	10/10/2
St. Landry Parish Sewer District #1, Linwood Subdivision	10/*/*	10/10/2
CBS Enterprises, CBS Mobile Home Park (east pond)	30/*/*	30/15/2
St. Landry Parish School Board, Leonville High School	30/*/*	30/15/2
St. Martin Parish School Board, Teche Elementary School	30/*/*	30/15/2
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	45/*/*	45/15/2
Dallas Trailer Park	45/*/*	45/15/2
LA Sugar Cane Coop Inc, Breaux Bridge Branch	*/*/*	0/0/2 (once-through non-contact cooling water)
Bent Oak Trailer Park	30/*/*	30/15/2
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	10/*/*	10/10/2
Loreauville, Village of	10/*/*	10/10/2
Breaux's Bay Craft Inc	45/*/*	45/15/2
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	30/*/*	30/15/2
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	15/*/* (calculated from mass limit)	15/0/2 (Sugar mills are not a source of ammonia)
Louisiana Water Co.-New Iberia Water Treatment Plant	*/*/*	2/1/2
Iberia Sugar Coop., Inc.	Outfall 004: 18/*/* (calculated from mass limit) Outfall 006: */*/*	18/0/2 (Sugar mills are not a source of ammonia) 0/0/2 (once-through non-contact cooling water)
Bayou Side Trailer Park	45/*/*	45/15/2
Mosquito Control Contractors Inc. (MCCI)	45/*/*	45/15/2
Iberia Parish Government, Rosedale Subdivision	30/*/*	30/15/2
Iberia Parish School Board, Jeanerette Sr. High School	30/*/*	30/15/2
Yellow Bowl Restaurant	45/*/*	45/15/2
Cypress Bayou Casino	10/*/*	10/10/2

*Currently not permitted for this parameter

Calculation of the TMDL, Summer, 3 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	3,157		789
Headwater / Tributary loads		25,100	
Benthic loads		12,589	
SUB-TOTAL	**3,157**	**37,689**	**789**
TMDL = WLA + LA + MOS		***41,636***	

Calculation of the TMDL, Winter, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	3,157		789
Headwater / Tributary loads		23,922	
Benthic loads		5,314	
SUB-TOTAL	**3,157**	**29,236**	**789**
TMDL = WLA + LA + MOS		***33,183***	

Summer, March-November, 5 DO criterion:

In this scenario, the limits for two facilities were changed as well as the SOD in order meet the DO criterion of 5 mg/L. The limits for the St. Martin Parish Police Jury and Cajun Sugar were made more stringent. The tables below present the permit limits for all of the facilities and the TMDL. The SOD was reduced 25% in order to meet the DO criterion. An SOD reduction of 25% could possibly be attained since there is TMDL modeling taking place for the Bayou Cocodrie/Bayou Boeuf system, which would lead to implementation of nonpoint controls in that system, which in turn, would reduce the nonpoint loading reaching Bayou Teche. The Cocodrie/Boeuf system is headwaters to Bayou Teche.

Permit Limits for March-November with DO criterion of 5 mg/L:

FACILITY	CURRENT PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L	PROPOSED PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L
Port Barre, Town of; Port Barre Wastewater Treatment Plant	10/*/*	10/10/2
St. Landry Parish Sewer District #1, Linwood Subdivision	10/*/*	10/10/2
CBS Enterprises, CBS Mobile Home Park (east pond)	30/*/*	30/15/2
St. Landry Parish School Board, Leonville High School	30/*/*	30/15/2
St. Martin Parish School Board, Teche Elementary School	30/*/*	30/15/2
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	45/*/*	45/15/2
Dallas Trailer Park	45/*/*	45/15/2
LA Sugar Cane Coop Inc, Breaux Bridge Branch	*/*/*	0/0/2 (once-through non-contact cooling water)
Bent Oak Trailer Park	30/*/*	30/15/2
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	10/*/*	5/2/2
Loreauville, Village of	10/*/*	10/10/2
Breaux's Bay Craft Inc	45/*/*	45/15/2
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	30/*/*	30/15/2
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	15/*/* (calculated from mass limit)	5/0/5 (Sugar mills are not a source of ammonia)
Louisiana Water Co.-New Iberia Water Treatment Plant	*/*/*	2/1/2
Iberia Sugar Coop., Inc.	Outfall 004: 18/*/* (calculated from mass limit) Outfall 006: */*/*	18/0/2 (Sugar mills are not a source of ammonia) 0/0/2 (once-through non-contact cooling water)
Bayou Side Trailer Park	45/*/*	45/15/2
Mosquito Control Contractors Inc. (MCCI)	45/*/*	45/15/2
Iberia Parish Government, Rosedale Subdivision	30/*/*	30/15/2
Iberia Parish School Board, Jeanerette Sr. High School	30/*/*	30/15/2
Yellow Bowl Restaurant	45/*/*	45/15/2
Cypress Bayou Casino	10/*/*	10/10/2

*Currently not permitted for this parameter

Calculation of the TMDL, Summer, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	1,624		406
Headwater / Tributary loads		25,100	
Benthic loads		9,441	
SUB-TOTAL	**1,624**	**34,541**	**406**
TMDL = WLA + LA + MOS		**36,572**	

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 has implemented a watershed approach to surface water quality monitoring. Through this approach, the entire state is sampled over a five-year cycle with two targeted basins sampled each year. Long-term trend monitoring sites at various locations on the larger rivers and Lake Pontchartrain are sampled throughout the five-year cycle. Sampling is conducted on a monthly basis or more frequently if necessary to yield at least 12 samples per site each year. Sampling sites are located where they are considered to be representative of the waterbody. Under the current monitoring schedule, targeted basins follow the TMDL priorities. In this manner, the first TMDLs will have been implemented by the time the first priority basins will be monitored again in the second five-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. The sampling schedule for the first five-year cycle is shown below.

1998 - Mermentau and Vermilion-Teche River Basins
1999 - Calcasieu and Ouachita River Basins
2000 - Barataria and Terrebonne Basins
2001 - Lake Pontchartrain Basin and Pearl River Basin
2002 - Red and Sabine River Basins

(Atchafalaya and Mississippi Rivers will be sampled continuously.) Mermentau and Vermilion-Teche Basins will be sampled again in 2003.

TABLE OF CONTENTS

EXECUTIVE SUMMARY ii
LIST OF TABLES xi
LIST OF FIGURES xii
1.0 Introduction 1
2.0 Study Area Description 1
2.1 General Information 1
2.2 Water Quality Standards 4
2.3 Wastewater Discharges 5
2.4 Water Quality Conditions/Assessment 5
2.5 Prior Studies 6
3.0 Documentation of Calibration Model 6
3.1 Model Description and Input Data Documentation 6
3.1.1 Program Description 6
3.1.2 Model Schematic or Vector Diagram 8
3.2 Model Input Discussion 10
3.2.1 Rivermiles 10
3.2.2 Width 10
3.2.3 Depth 10
3.2.4 Temperature (TEMP) 10
3.2.5 Photosynthesis (PHOTO) & Respiration (RESP) 10
3.2.6 Dissolved Oxygen Saturation (SATDO) 10
3.2.7 Sediment Oxygen Demand (SEDI) 10
3.2.8 Dispersion (DISP) 11
3.2.9 Carbonaceous Deoxygenation Rate (COXY) 11
3.2.10 Nitrogenous Deoxygenation Rate (NOXY) 11
3.2.11 Reaeration (C-REAER) 11
3.2.12 Headwater Flow 11
3.2.13 Facility, Tributary, and Distributary Flows 11
3.2.14 NBOD, CBOD, and DO Concentrations for Headwater, Facilities, and Tributaries 11
3.3 Model Discussion and Results 12
4.0 Water Quality Projections 12
4.1 Critical Conditions 12
4.1.1 Seasonality and Margin of Safety 12
4.2 Model Input Discussion 13
4.2.1 Rivermiles 13
4.2.2 Width 13
4.2.3 Depth 14
4.2.4 Temperature (TEMP) 14
4.2.5 Photosynthesis (PHOTO) & Respiration (RESP) 14
4.2.6 Dissolved Oxygen Saturation (SATDO) 14
4.2.7 Sediment Oxygen Demand (SEDI) 14
4.2.8 Dispersion (DISP) 14

4.2.9 Carbonaceous Deoxygenation Rate (COXY) 14
4.2.10 Nitrogenous Deoxygenation Rate (NOXY) 14
4.2.11 Nonpoint: Flow, NBOD, CBOD, & DO (NONPFLOW, NONPNBOD, NONPCBOD, NONPDO) 15
4.2.12 Reaeration (C-REAER) 15
4.2.13 Headwater Flow 15
4.2.14 Headwater NBOD, CBOD, and DO 15
4.2.15 Facility Flows 15
4.2.16 Facility NBOD, CBOD, and DO 15
4.2.17 Tributary Flows 15
4.2.18 Distributary flows 17
4.3 Model Discussion and Results 17
4.3.1 Summer, March-November, 3 DO criterion and Winter, December-February, 5 DO criterion 17
4.3.2 Summer, March-November, 5 DO criterion 19
5.0 Calculated TMDLs, WLAs and LAs 21
6.0 Sensitivity Analyses 22
7.0 Conclusions 22
8.0 References 24

APPENDICES

Appendix A - Maps of the Study Area, Wax Lake Outlet, East & West Calumet Floodgates, Flow Analysis for Bayou Teche at Franklin
Appendix B - List of Facilities and Modeling Decision for Each, Facility Flow, Current and Proposed Permit Limits
Appendix C - Conversions of Previous Model Data from lbs/day to mg/L
Appendix D - Calibration Model Input, Output, and Plots
Appendix E - 90th Percentile Temperature Calculations and Temperature Data
Appendix F - GSBOD Spreadsheet and Field Measurements for Headwater Data
Appendix G - 10th Percentile Flows for Ruth Canal and Bayou Fusilier
Appendix H - Projection Model Input, Output, and DO Plots
Appendix I - TMDLs
Appendix J - Sensitivity Analysis

LIST OF TABLES

Table 1. Land Uses in Segment 0602 3
Table 2. Land Uses in Segment 0603 3
Table 3. Land Uses in Segment 0604 3
Table 4. Land Uses in Segment 0605 3
Table 5. Water Quality Numerical Criteria and Designated Uses 5
Table 6. Permit Limits for March-November with DO criterion of 3 mg/L and December-February with DO criterion of 5 mg/L 18
Table 7. Permit Limits for March-November with DO criterion of 5 mg/L 20

Table 8. Calculation of the TMDL, Summer, 3 mg/L DO 21
Table 9. Calculation of the TMDL, Winter, 5 mg/L DO 21
Table 10. Calculation of the TMDL, Summer, 5 mg/L DO 22

LIST OF FIGURES

Figure 1. Vector Diagram 9

1.0 Introduction

The 1996 303(d) list cites Bayou Teche, subsegments 060205, 060301, 060401, and 060501 as being impaired due to organic enrichment/low DO. Subsegment 060205 is listed as priority nine, and subsegments 060301, 060401, and 060501 are listed as priority seven. The 1998 303(d) list cites two areas of Bayou Teche, subsegments 060401 and 060501, as being impaired due to organic enrichment/low DO. Both of these subsegments are priority one and require the development of a Total Maximum Daily Load (TMDL) for dissolved oxygen (DO).

Bayou Teche was also listed as impaired due to nutrients. The 1996 303(d) list cites subsegment 060401 as being impaired due to nutrients and the 1998 303(d) list cites subsegments 060401 and 060501 as being impaired due to nutrients. Bayou Teche has natural levees which convey nonpoint sources away from the Bayou. The sources for nutrients in Bayou Teche are the upstream watersheds, Bayou Cocodrie and the Atchafalaya Basin. LDEQ's position, as supported by the ruling in the lawsuit regarding water quality criteria for nutrients (Sierra Club v. Givens, 710 So.2d 249 (La. App. 1st Cir. 1997), writ denied, 705 So.2d 1106 (La. 1998), is that when oxygen-demanding substances are controlled and limited in order to ensure that the dissolved oxygen criterion is supported, nutrients are also controlled and limited. The implementation of best management practices in the Bayou Cocodrie watershed and the Atchafalaya Basin to control and reduce runoff of soil and oxygen-demanding pollutants from nonpoint sources will also control and reduce the nutrient loading entering the Bayou Teche watershed. The primary nutrient source is the Atchafalaya Basin which has the Mississippi River as its primary source. The key to reducing nutrient loading in Bayou Teche is the reduction of nutrient loading to the Mississippi River.

Surveys were conducted on Bayou Teche in April and November 1978. A calibrated water quality model, verification, and projections were developed in November 1984 using the 1978 survey data. A recalibration of the previous model was developed and projections were modeled to quantify the point source and nonpoint source waste load reductions which would be necessary in order for Bayou Teche to comply with its established water quality standards and criteria. Updated stream flows and discharger data were used. This report presents the results of water quality modeling which was based on the previous model.

2.0 Study Area Description

2.1 General Information

Water quality subsegments 060205, 060301, 060401, and 060501 are part of the Vermilion-Teche River Basin. Most of Bayou Teche is located in the Vermilion-Teche River Basin which lies in south-central Louisiana. The upper end of the basin lies in the central part of the state near Alexandria, and the basin extends southward to the Gulf of Mexico. The basin is bordered on the north and northeast by a low escarpment and the lower end of the Red River Basin. The Atchafalaya River Basin is to the east, and the

Mermentau River Basin is to the west. The Vermilion-Teche River Basin has an area of approximately 4,000 square miles (LDEQ, 1987).

Bayou Teche occupies the highest part of a very large alluvial ridge similar in size to the nearby ridge of the Mississippi River. Elevations on the ridge near the bayou range from 30 feet above sea level at Port Barre to 20 feet at New Iberia and 10 feet at Franklin. The ridge slopes gently to the swamps which lie from one to three miles back on either side where elevations are generally from 5 to 10 feet lower than near the bayou. Since all local drainage is away from the stream, it functions principally as a flume, conveying drainage from Bayou Courtableau to the Vermilion and lower Teche systems (LDEQ, 1987).

The subsegments of interest in this TMDL effort are 060205, 060301, 060401, and 060501. The land use for these subsegments is summarized in Tables 1-4.

Table 1. Land Uses in Segment 0602

LAND USE TYPE	NUMBER OF ACRES	% OF TOTAL AREA
Urban	46,942	4.5
Extractive	3,450	0.3
Agricultural	676,490	64.1
Forest Land	245,115	23.2
Water	5,180	0.5
Wetland	73,230	6.9
Barren Land	4,258	0.4
TOTAL AREA	1,054,665	100

Table 2. Land Uses in Segment 0603

LAND USE TYPE	NUMBER OF ACRES	% OF TOTAL AREA
Urban	186	35.3
Extractive	47	8.9
Agricultural	294	55.8
Forest Land	0	0.0
Water	0	0.0
Wetland	0	0.0
Barren Land	0	0.0
TOTAL AREA	527	100

Table 3. Land Uses in Segment 0604

LAND USE TYPE	NUMBER OF ACRES	% OF TOTAL AREA
Urban	1,805	21.5
Extractive	0	0.0
Agricultural	6,497	77.5
Forest Land	0	0.0
Water	9	0.1
Wetland	74	0.9
Barren Land	0	0.0
TOTAL AREA	8,385	100

Table 4. Land Uses in Segment 0605

LAND USE TYPE	NUMBER OF ACRES	% OF TOTAL AREA
Urban	4,303	10.4
Extractive	127	0.3
Agricultural	27,710	67.3
Forest Land	0	0.0
Water	357	0.9
Wetland	8,675	21.1
Barren Land	24	0.1
TOTAL AREA	41,196	100

Subsegment 060501 was not included in this modeling effort. This subsegment of Bayou Teche is a conveyance channel that stretches from Wax Lake Outlet to the southern section of the Charenton Drainage and Navigation Canal. The source of water for this subsegment is either Wax Lake Outlet or the Lower Atchafalaya River depending on the operation of the East Calumet Floodgate. This stretch of Bayou Teche exhibits negative and positive flow as indicated at the USGS Station 07385800 near Franklin, Louisiana. A review of the flow data at the station for the period of 1986-1992 revealed that only 125 values out of 1,911 were positive. The remainder were negative indicating that the flow in subsegment 060501 is predominately coming through the West Calumet Floodgate and into the southern section of the Charenton Drainage and Navigation Canal where it exits. Appendix A contains a flow analysis of Bayou Teche at Franklin and information about Wax Lake Outlet and the East & West Calumet Floodgates. There are no point sources discharging to this reach of Bayou Teche; therefore, the Waste Load Allocation (WLA) is zero. Also, the Load Allocation (LA) for man-made nonpoint source contributions is assumed to be zero due to the natural levee along Bayou Teche. Therefore, the loading for this subsegment is the background loading which comes from the Atchafalaya Basin. This loading from the Atchafalaya Basin has not been quantified at this time.

Bayou Fusilier, a small alluvial stream about 6 miles in length, functions as a distributary by connecting the Vermilion River at its head with Bayou Teche at Arnaudville. Another distributary, Ruth Canal, is about 4 miles long and connects Bayou Teche with the Vermilion River. It was built by private interests for diverting a portion of the Bayou Teche flow to the Vermilion River for rice irrigation (LDEQ, 1987).

The U.S. Army Corps of Engineers implemented a flow augmentation project that is designed to supplement the low flows in the Vermilion River and Bayou Teche by pumping water from the Atchafalaya River just north of Krotz Springs through a series of diversion structures. Atchafalaya River water is pumped into Bayou Teche and from there into the Vermilion River by way of Ruth Canal and Bayou Fusilier. This project was designed both to improve water quality in the Vermilion and Teche during summer low flow conditions and to provide additional water for irrigation of the area's crops. The first pumping began in November 1982, and the project plan was implemented in June 1983 (LDEQ, 1987).

The model extends from the headwaters at Bayou Courtableau near Port Barre to just above the northern section of the Charenton Drainage and Navigation Canal. Bayou Tortue, a tributary, was included as a point source in the model. A total of 22 facilities were included in the modeling effort. Maps of the study area are presented in Appendix A.

2.2 Water Quality Standards

The Water Quality criteria and designated uses for subsegments in the Bayou Teche watershed are shown in Table 5.

Table 5. Water Quality Numerical Criteria and Designated Uses

Subsegment	060205	060301	060401	060501
Stream Description	Headwaters at Bayou Courtableau to Interstate Hwy. 10	Interstate Hwy. 10 to Keystone Lock and Dam	Keystone Lock and Dam to the northern section of the Charenton Canal	Southern section of the Charenton Canal to Wax Lake Outlet
Designated Uses	A B C	A B C	A B C	A B C D
Criteria:				
Cl	40	40	80	80
SO_4	30	30	50	50
DO	5.0	5.0	5.0	5.0
pH	6.0 - 8.5	6.0 – 8.5	6.0 – 8.5	6.0 – 8.5
BAC	1	1	1	1
°C	32	32	32	32
TDS	220	220	350	350

USES: A – primary contact recreation; B – secondary contact recreation; C – propagation of fish and wildlife; D – drinking water supply

A Use Attainability Analysis is in progress for Bayou Teche which would change the current DO standard of 5 mg/L to seasonal criteria of 3 mg/L March – November and 5 mg/L December – February.

2.3 Wastewater Discharges

The discharger inventory for Bayou Teche and its tributaries was reviewed. A search on the LDEQ Permit Tracking System yielded 110 facilities discharging to Bayou Teche and its tributaries. Of these 110, twenty-two were included in the model projections. The remaining facilities were not included in the model and were eliminated based on the following:

- they were no longer discharging to the watershed
- they did not discharge oxygen demanding pollutants
- the volume of their discharge was insignificant
- their location was not in the Vermilion-Teche basin
- best professional judgement

The list of facilities and the modeling decision for each is shown in Appendix B.

2.4 Water Quality Conditions/Assessment

Subsegment 060205, Bayou Teche from the headwaters at Bayou Courtableau to I-10, is not supporting its designated uses according to the 1996 305(b) Water Quality assessment

for Louisiana. Suspected causes of impairment are oil and grease, organic enrichment/low DO, pathogens, suspended solids, and turbidity from irrigated crop production, land development, minor industrial and municipal point sources, package plants (small flows), and septic tanks.

Subsegment 060301, Bayou Teche from I-10 to Keystone Lock and Dam, is not supporting its designated uses according to the 1996 305(b) Water Quality assessment for Louisiana. Suspected causes of impairment are organic enrichment/low DO, pathogens, suspended solids, and turbidity from land development, minor industrial point sources, nonirrigated crop production, package plants (small flows), petroleum activities, and septic tanks. The 1998 305(b) list has subsegment 060301 as partially supporting its designated uses.

Subsegment 060401, Bayou Teche from Keystone Lock and Dam to the northern section of the Charenton Canal, is not supporting its designated uses according to the 1996 305 (b) Water Quality assessment for Louisiana. Suspected causes of impairment are habitat alterations, nutrients, organic enrichment/low DO, pathogens, suspended solids, and turbidity from land development, minor industrial and municipal point sources, nonirrigated crop production, package plants (small flows), removal of riparian vegetation, and septic tanks. The 1998 305(b) list has subsegment 060401 as partially supporting its designated uses.

Subsegment 060501, Bayou Teche from the southern section of the Charenton Canal to Wax Lake Outlet, is partially supporting its designated uses according to the 1996 305 (b) Water Quality assessment for Louisiana. Suspected causes of impairment are habitat alterations, organic enrichment/low DO, pathogens, suspended solids, and turbidity from minor industrial and municipal point sources, nonirrigated crop production, removal of riparian vegetation, and septic tanks. The 1998 305(b) list has subsegment 060501 as fully supporting its designated uses.

2.5 Prior Studies

Surveys were conducted on Bayou Teche in April and November 1978. Water quality modeling was performed in November, 1984 using the survey data collected in 1978. It should be noted that the 1978 surveys did not produce the necessary data for modeling the tributaries to Bayou Teche.

3.0 Documentation of Calibration Model

3.1 Model Description and Input Data Documentation

3.1.1 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 nearshore 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)

LIMNOSS, a well documented and frequently utilized water quality model, was used in this study. Its popularity is derived from the simplicity of its input dataset construction and comprehensible output. LIMNOSS is a one-dimensional, steady-state dissolved oxygen (DO) model developed by LimnoTech, Inc. (LimnoTech, 1984). The program is written in FORTRAN IV, and uses a finite-difference solution technique that is a recognized method for water quality simulations under flowing conditions.

The development of a TMDL for dissolved oxygen generally occurs in 3 stages. 1) Data Collection Activities, 2) Calibration Model Development, 3) Projection Modeling and TMDL.

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 waterbody, 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 judgement 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 the 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 if the calibration holds for both sets of data. When this happens, the model is said to be verified.

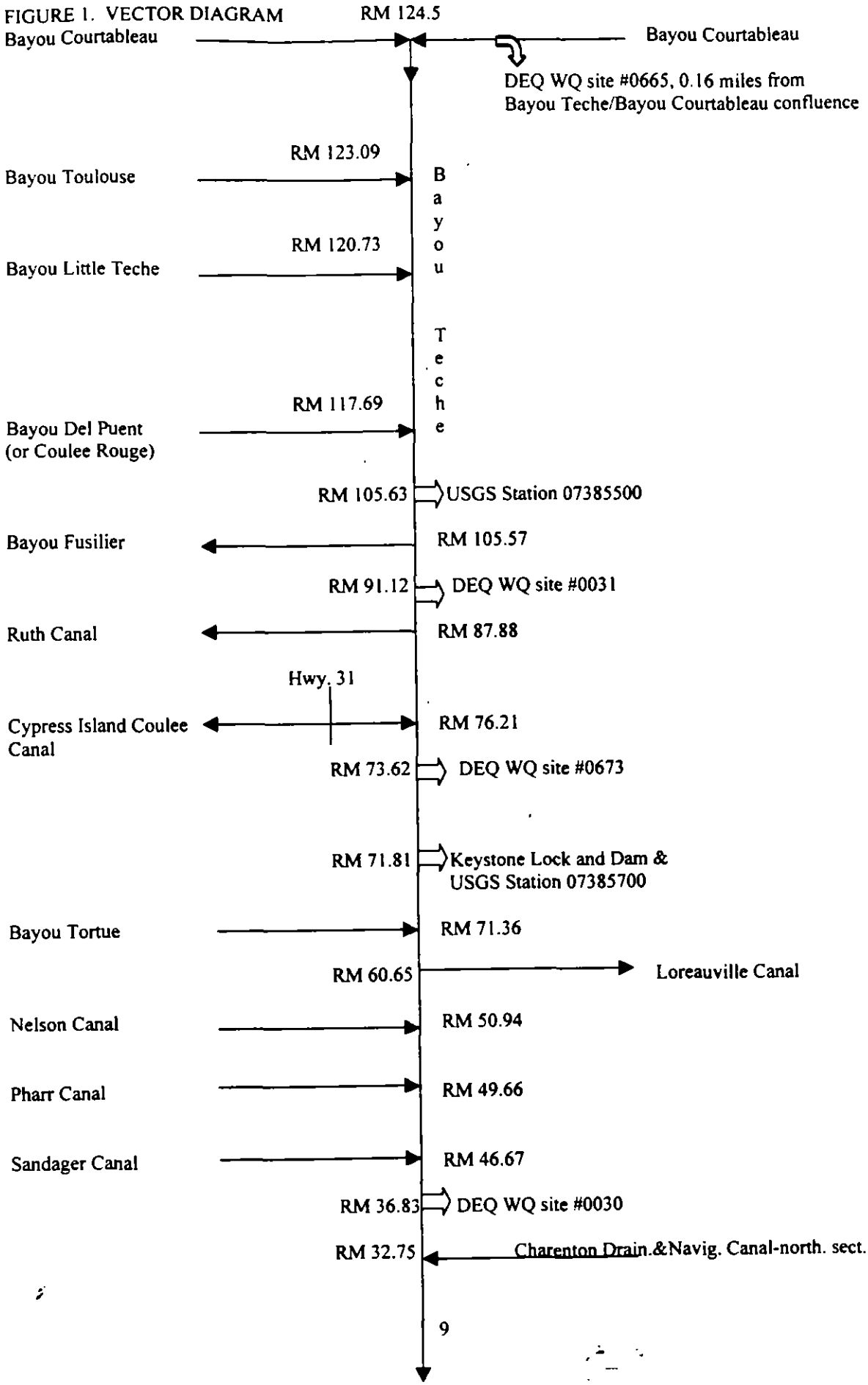
Stage 3 covers the projection modeling which results in the TMDL. The critical conditions of flow and temperature are determined for the waterbody and the maximum pollutant discharge conditions from the point sources are determined. These conditions are then substituted into the model along with any 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.

The previous modeling work completed in 1984 included a calibration using the April 1978 survey data. It was necessary to recalibrate the previous model since the model was calibrated to 5-day BOD, not the ultimate values. Furthermore, the model was calibrated to TKN, not ultimate NBOD values. The data for recalibration was taken directly from the April 1978 calibration input dataset, where appropriate.

3.1.2 Model Schematic or Vector Diagram

A vector diagram of the modeled area is shown in Figure 1.

FIGURE 1. VECTOR DIAGRAM



3.2 Model Input Discussion

3.2.1 Rivermiles

The model started at rivermile 124.5, the headwaters at Bayou Courtableau, and extended downstream to rivermile 33.5, just north of the Charenton Drainage and Navigation Canal.

3.2.2 Width

Widths were taken directly from the 1984 calibration model input. Widths ranged from 101-129 feet.

3.2.3 Depth

Depths were taken directly from the 1984 calibration model input. Depths ranged from 8-37 feet.

3.2.4 Temperature (TEMP)

Individual temperatures at each rivermile were not used as in the previous model. By looking at the range of temperatures used in the previous model, two temperature values were used to describe the temperatures in Bayou Teche during the survey. Temperatures of 23 and 24 °C were used.

3.2.5 Photosynthesis (PHOTO) & Respiration (RESP)

The previous model included photosynthesis and respiration; however, photosynthesis and respiration were not necessary in the recalibration. A review of the data indicated algal activity was improbable. pH values were about 7.2-7.4; a pH of 8.0 or greater indicates algal activity. Furthermore, there was no substantial diurnal DO swing, secchi readings were low resulting in little light penetration, and nitrate values did not change significantly indicating no uptake of the nitrate by algae. Therefore, photosynthesis and respiration were set to zero.

3.2.6 Dissolved Oxygen Saturation (SATDO)

DO saturation values at the stream temperatures were obtained from the Standard Methods for the Examination of Water and Wastewater. At 23°C, SATDO=8.6 mg/L and at 24 °C, SATDO=8.4 mg/L.

3.2.7 Sediment Oxygen Demand (SEDI)

The SOD values were changed when the new calibration was performed. SOD ranged from 0.0-1.0 g/m^2-day.

3.2.8 Dispersion (DISP)

Dispersion values were taken directly from the previous model input. Dispersion values ranged from 32.3-64.5 ft^2/s. These values were in agreement with dispersion estimates on similar slow-moving, tidally influenced waterbodies in Louisiana, such as Bayou Queue de Tortue.

3.2.9 Carbonaceous Deoxygenation Rate (COXY)

COXY was taken directly from the previous model input. A value of 0.120/day was used.

3.2.10 Nitrogenous Deoxygenation Rate (NOXY)

NOXY was taken directly from the previous model input. A value of 0.030/day was used.

3.2.11 Reaeration (C-REAER)

The reaeration equation from Owens, Edwards, and Gibbs was used in the new calibration. This equation is applicable for most of the velocities and depths found in Bayou Teche.

3.2.12 Headwater Flow

The previous model used 695 cfs which was taken from the USGS Station 07385500 at Arnaudville on April 25, 1978, the date of the survey. The new calibration used the same flow, except that the flows from the tributaries and facilities upstream of the USGS station were subtracted out so that the model output would have 695 cfs at the rivermile of the USGS station.

3.2.13 Facility, Tributary, and Distributary Flows

All of these flows used in the previous calibration were used in the new calibration.

3.2.14 NBOD, CBOD, and DO Concentrations for Headwater, Facilities, and Tributaries

These concentrations were taken directly from the 1984 calibration. These values had to be converted to concentration units as required in LIMNOSS. The previous model required mass units. NBOD and CBOD ultimate values were used. The previous model was in error because it used 5-day BOD and TKN values. The spreadsheet in Appendix C shows the conversions from lbs/day to mg/L.

3.3 Model Discussion and Results

The calibration model input and output along with plots are presented in Appendix D. A hydrologic calibration was not done due to the lack of chloride and time of travel data. However, the flow balanced at the downstream USGS Station 07385700 as shown in the flow plot. No nonpoint flow was needed to balance the flow. Very good calibration was achieved for DO, CBOD, and NBOD. No nonpoint loads were needed in the water quality calibration.

4.0 Water Quality Projections

If the UAA is realized, the DO standard for Bayou Teche will be 3 mg/L March-November and 5 mg/L December-February. Therefore, model projections were performed at those particular seasons. In addition, projections were performed at the current year-round DO criterion of 5 mg/L using the same seasons as mentioned above.

4.1 Critical Conditions

4.1.1 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 Bayou Teche TMDL, LDEQ has employed an analysis of its long-term ambient data to determine critical seasonal conditions and used a combination of implied and explicit margins of safety.

In order to explain the relationship among parameters such as nonpoint loading, temperature, dissolved oxygen and SOD, LDEQ analyzed the Mermentau River Basin. Critical conditions for dissolved oxygen were determined for the Mermentau River Basin using long term water quality data from six stations on the LDEQ Ambient Monitoring Network and the Louisiana Office of State Climatology water budget. Graphical and regression techniques were used to evaluate the temperature and dissolved oxygen data from the Ambient Monitoring Network and the run-off determined from the water budget. Since nonpoint loading is conveyed by run-off, this seemed 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 nonpoint 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 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.

LDEQ interprets this phenomenon in its TMDL modeling by assuming that the annual nonpoint loading, rather than loading for any particular day, is responsible for the accumulated benthic blanket of the stream, which is, in turn, expressed as SOD and/or resuspended BOD in the model. 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.

LDEQ simulated critical summer and winter conditions in the Bayou Teche dissolved oxygen TMDL projection modeling by using the seasonal 7Q10 flow for all headwaters, and the 90th percentile temperature for the season. Nonpoint flows and loads were zero. As mentioned earlier in the report, Bayou Teche occupies the highest part of a very large alluvial ridge similar in size to the nearby ridge of the Mississippi River. Elevations on the ridge near the bayou range from 30 feet above sea level at Port Barre to 20 feet at New Iberia and 10 feet at Franklin. The ridge slopes gently to the swamps which lie from one to three miles back on either side where elevations are generally from 5 to 10 feet lower than near the bayou. Since all local drainage is away from the stream, it functions principally as a flume, conveying drainage from Bayou Courtableau to the Vermilion and lower Teche systems (LDEQ, 1987). Model loading was from point sources, one tributary, sediment oxygen demand, and resuspension of sediments. In addition, LDEQ assumes that all point sources are discharging at maximum capacity.

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 combination of these conditions plus the impact of other conservative assumptions regarding rates and loadings yields an implied margin of safety which is estimated to be in excess of 10%. Over and above this implied margin of safety, LDEQ used an explicit MOS of 20% for point source loads. The total MOS is estimated to exceed 30% for the Bayou Teche TMDL.

4.2 Model Input Discussion

4.2.1 Rivermiles

The model started at rivermile 124.5, the headwaters at Bayou Courtableau, and extended downstream to rivermile 33.5, just north of the Charenton Drainage and Navigation Canal. Updated rivermiles were obtained from ArcView.

4.2.2 Width

Widths from the previous model were used. For the summer season, widths from the "Nov 78 Verification" were used and ranged from 100-129 feet. Widths from the "Apr 78 Calibration" were used for the winter season and ranged from 101-129 feet.

4.2.3 Depth

Depths from the previous model were used. For the summer season, depths from the "Nov 78 Verification" were used and ranged from 5-12 feet. Depths from the "Apr 78 Calibration" were used for the winter season and ranged from 8-37 feet.

4.2.4 Temperature (TEMP)

LDEQ has two water quality sites on Bayou Teche for which data is available. Site 0030 is at Adeline, Louisiana and site 0031 is at Breaux Bridge, Louisiana. Data from both of these sites was retrieved for 1989-1998. The summer and winter 90th percentile temperatures were calculated for each station, and then the average of the two 90th percentile temperatures was taken and used as the seasonal critical temperature. Appendix E contains the temperature data and the percentile calculations. A summer critical temperature of 29.9°C was used, and the winter critical temperature was 15.9°C.

4.2.5 Photosynthesis (PHOTO) & Respiration (RESP)

Photosynthesis and respiration were set to zero.

4.2.6 Dissolved Oxygen Saturation (SATDO)

DO saturation values at the critical stream temperatures were obtained from the Standard Methods for the Examination of Water and Wastewater. At 29.9°C, SATDO=7.6 mg/L. At 15.9°C, SATDO=9.9 mg/L.

4.2.7 Sediment Oxygen Demand (SEDI)

Sediment Oxygen Demand (SOD) values remained at calibration values, 0.0-1.0 g/m^2-day, in two of the three projection runs. In the summer projection with a 5 mg/L DO criterion, the SOD ranged from 0.0-0.75 g/m^2-day. Thus, the SOD was lowered 25% in conjunction with more stringent limits for two facilities in order to meet the DO criterion of 5 mg/L.

4.2.8 Dispersion (DISP)

Dispersion values were not changed from calibration. They range from 32.3-64.5 ft^2/s.

4.2.9 Carbonaceous Deoxygenation Rate (COXY)

COXY was not changed from calibration. A value of 0.120/day was used.

4.2.10 Nitrogenous Deoxygenation Rate (NOXY)

NOXY was not changed from calibration. A value of 0.030/day was used.

4.2.11 Nonpoint: Flow, NBOD, CBOD, & DO (NONPFLOW, NONPNBOD, NONPCBOD, NONPDO)

Nonpoint values were not changed from calibration. They were set to zero.

4.2.12 Reaeration (C-REAER)

Reaeration was not changed from calibration. The reaeration equation from Owens, Edwards, and Gibbs was used.

4.2.13 Headwater Flow

A summer 7Q10 value of 634 cfs and a winter 7Q10 of 604 cfs were used. The 7Q10s were calculated using data from the USGS Station 07385500 at Arnaudville.

4.2.14 Headwater NBOD, CBOD, and DO

These headwater concentrations were from a sample at site 10 taken during the Bayou Courtableau survey on July 27-28, 1999. The site is located on Bayou Teche at Robin Street in Port Barre. The GSBOD program was used to analyze the BOD data. An ultimate CBOD value of 4.36 mg/L was used. Ultimate NBOD was expressed as TKN X 4.3 which gave a value of 2.92 mg/L. A value of 5.17 mg/L was used for DO. The GSBOD spreadsheet and field data can be found in Appendix F.

4.2.15 Facility Flows

Flows were determined based on available data from current permits and applications and then increased by 25% in order to explicitly incorporate a 20% margin of safety in the effluent loads. A 20% margin of safety would imply that the facility would be scaled up by 1/0.8 = 1.25, or by a 25% increase. Appendix B presents a spreadsheet with facility flow information.

4.2.16 Facility NBOD, CBOD, and DO

The model requires ultimate NBOD and CBOD values. Ultimate NBOD was calculated as NH_3-N X 4.3. Ultimate CBOD was calculated as $CBOD_5$ X 2.3. Some facilities were only permitted for BOD; therefore, appropriate permits limits for NH_3-N and DO were assumed based upon industry standards. Appendix B presents a spreadsheet with this information.

4.2.17 Tributary Flows

Bayou Toulouse: The winter and summer 7Q10 for this tributary is zero; therefore, it was not included in the model. Charles G. Lawson Trucking, Inc. is the only discharger

on Bayou Toulouse. This facility was not included in the model since the flow is insignificant.

Bayou Little Teche: The winter and summer 7Q10 for this tributary is zero; therefore, it was not included in the model. There are three dischargers to Bayou Little Teche. Savoie's Sausage and Food Products, Inc. was not included because the facility flow is insignificant. Mark's Scrap and Salvage was not included since the file was created due to a complaint, and there is no permit. Opelousas Compressor Station was not included since the discharge is stormwater.

Bayou Del Puent: The winter and summer 7Q10 for this tributary is zero; therefore, it was not included in the model. No facilities were found discharging to Bayou Del Puent.

Coulee Rouge: The summer and winter 7Q10 for this tributary is zero; therefore, it was not included in the model. CBS Enterprises-CBS Mobile Home Park (east pond) and St. Landry Parish Sewer District #1-Linwood Subdivision discharge to Coulee Rouge. It is not known how close together the facilities are since Linwood Subdivision has no map in its file and the physical address did not help. If these two facilities are close enough to each other, their combined discharges could be significant. Therefore, CBS Enterprises-CBS Mobile Home Park (east pond) and St. Landry Parish Sewer District #1-Linwood Subdivision were included as point sources going directly to Bayou Teche.

Cypress Island Coulee Canal: When looking at a map, this waterbody appears to be a tributary of Bayou Teche; however, from LDEQ observations, only the first 0.3 miles (east of Highway 31) of Cypress Island Coulee Canal flow to Bayou Teche. The remainder flows away from Bayou Teche. Cypress Island Coulee Canal was not included in the model.

Bayou Tortue: This tributary was included in the model. It has a summer and winter 7Q10 of zero. However, it was included as a point source with a flow equal to the design capacity of the City of St. Martinville. The City of St. Martinville discharges to Bayou Tortue. Water quality data for this point source was taken from the previous model calibration at the Bayou Teche/Bayou Tortue confluence. The City of St. Martinville is 10 miles from Bayou Teche so its effluent has recovered by the time it enters Bayou Teche.

Nelson Canal: There are no dischargers to this tributary. It was not included in the model since there is no data to describe its water quality.

Pharr Canal: This tributary was not included in the model since there is no data to describe its water quality. Cleve Frederrick & Son Tank Co. is the only discharger on this tributary and was not included in the model. This facility's file exists only because of a complaint, and there is no permit.

Sandager Canal: This tributary was not included in the model since there is no data to describe its water quality. There are no dischargers on Sandager Canal.

Loreauville Canal: This canal is closed. There is no flow entering or leaving Bayou Teche.

Charenton Drainage and Navigation Canal (northern section): This tributary was not included in the model since the model stopped just north of the Charenton Drainage and Navigation Canal.

4.2.18 Distributary flows

Bayou Fusilier and Ruth Canal are distributaries of Bayou Teche, and each has a USGS station. 10th percentile flows were used in the model. A summer 10th percentile flow of 189 cfs for Bayou Fusilier was calculated using data from the USGS Station 07386200. A winter 10th percentile flow of 169 cfs was used. From USGS Station 07386700, Ruth Canal had a summer 10th percentile flow of 143 cfs and a winter 10th percentile flow of 93 cfs. The 10th percentile calculations can be found in Appendix G. However, the actual data was not printed out because the spreadsheet contains over 3000 lines.

4.3 Model Discussion and Results

The projection model input and output along with DO plots are presented in Appendix H. Three projection scenarios were modeled:

4.3.1 Summer, March-November, 3 DO criterion and Winter, December-February, 5 DO criterion

These two scenarios met the DO criterion without assigning stricter limits for the facilities. Furthermore, the SOD was kept at the calibration values. The minimum summer DO was 4.3 mg/L and the minimum winter DO was 5.2 mg/L. The resulting permit limits are shown in Table 6.

Table 6. Permit Limits for March-November with DO criterion of 3 mg/L and December-February with DO criterion of 5 mg/L

FACILITY	CURRENT PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L	PROPOSED PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L
Port Barre, Town of; Port Barre Wastewater Treatment Plant	10/*/*	10/10/2
St. Landry Parish Sewer District #1, Linwood Subdivision	10/*/*	10/10/2
CBS Enterprises, CBS Mobile Home Park (east pond)	30/*/*	30/15/2
St. Landry Parish School Board, Leonville High School	30/*/*	30/15/2
St. Martin Parish School Board, Teche Elementary School	30/*/*	30/15/2
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	45/*/*	45/15/2
Dallas Trailer Park	45/*/*	45/15/2
LA Sugar Cane Coop Inc, Breaux Bridge Branch	*/*/*	0/0/2 (once-through non-contact cooling water)
Bent Oak Trailer Park	30/*/*	30/15/2
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	10/*/*	10/10/2
Loreauville, Village of	10/*/*	10/10/2
Breaux's Bay Craft Inc	45/*/*	45/15/2
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	30/*/*	30/15/2
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	15/*/* (calculated from mass limit)	15/0/2 (Sugar mills are not a source of ammonia)
Louisiana Water Co.-New Iberia Water Treatment Plant	*/*/*	2/1/2
Iberia Sugar Coop., Inc.	Outfall 004: 18/*/* (calculated from mass limit) Outfall 006: */*/*	18/0/2 (Sugar mills are not a source of ammonia) 0/0/2 (once-through non-contact cooling water)
Bayou Side Trailer Park	45/*/*	45/15/2
Mosquito Control Contractors Inc. (MCCI)	45/*/*	45/15/2
Iberia Parish Government, Rosedale Subdivision	30/*/*	30/15/2
Iberia Parish School Board, Jeanerette Sr. High School	30/*/*	30/15/2
Yellow Bowl Restaurant	45/*/*	45/15/2
Cypress Bayou Casino	10/*/*	10/10/2

*Currently not permitted for this parameter

4.3.2 Summer, March-November, 5 DO criterion

In this scenario, the limits for two facilities were changed as well as the SOD in order meet the DO criterion of 5 mg/L. The limits for the St. Martin Parish Police Jury and Cajun Sugar were made more stringent. Table 7 below presents the permit limits for all of the facilities. The SOD was reduced 25% in order to meet the DO criterion. An SOD reduction of 25% could possibly be attained since there is TMDL modeling taking place for the Bayou Cocodrie/Bayou Boeuf system, which would lead to implementation of nonpoint controls in that system, which in turn, would reduce the nonpoint loading reaching Bayou Teche. The Cocodrie/Boeuf system is headwaters to Bayou Teche.

Table 7. Permit Limits for March-November with DO criterion of 5 mg/L

FACILITY	CURRENT PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L	PROPOSED PERMIT LIMITS ($CBOD_5/NH_3$-N/DO), mg/L
Port Barre, Town of; Port Barre Wastewater Treatment Plant	10/*/*	10/10/2
St. Landry Parish Sewer District #1, Linwood Subdivision	10/*/*	10/10/2
CBS Enterprises, CBS Mobile Home Park (east pond)	30/*/*	30/15/2
St. Landry Parish School Board, Leonville High School	30/*/*	30/15/2
St. Martin Parish School Board, Teche Elementary School	30/*/*	30/15/2
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	45/*/*	45/15/2
Dallas Trailer Park	45/*/*	45/15/2
LA Sugar Cane Coop Inc, Breaux Bridge Branch	*/*/*	0/0/2 (once-through non-contact cooling water)
Bent Oak Trailer Park	30/*/*	30/15/2
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	10/*/*	5/2/2
Loreauville, Village of	10/*/*	10/10/2
Breaux's Bay Craft Inc	45/*/*	45/15/2
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	30/*/*	30/15/2
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	15/*/* (calculated from mass limit)	5/0/5 (Sugar mills are not a source of ammonia)
Louisiana Water Co.-New Iberia Water Treatment Plant	*/*/*	2/1/2
Iberia Sugar Coop., Inc.	Outfall 004: 18/*/* (calculated from mass limit) Outfall 006: */*/*	18/0/2 (Sugar mills are not a source of ammonia) 0/0/2 (once-through non-contact cooling water)
Bayou Side Trailer Park	45/*/*	45/15/2
Mosquito Control Contractors Inc. (MCCI)	45/*/*	45/15/2
Iberia Parish Government, Rosedale Subdivision	30/*/*	30/15/2
Iberia Parish School Board, Jeanerette Sr. High School	30/*/*	30/15/2
Yellow Bowl Restaurant	45/*/*	45/15/2
Cypress Bayou Casino	10/*/*	10/10/2

*Currently not permitted for this parameter

5.0 Calculated TMDLs, WLAs and LAs

TMDLs for the oxygen demanding constituents (CBOD, NH_3-N, and SOD) have been calculated for the summer and winter projection runs. They are presented in Appendix I. A summary of the loads is presented in Tables 8-10.

Table 8. Calculation of the TMDL, Summer, 3 mg/L DO

Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	3,157		789
Headwater / Tributary loads		25,100	
Benthic loads		12,589	
SUB-TOTAL	**3,157**	**37,689**	**789**
TMDL = WLA + LA + MOS		***41,636***	

Table 9. Calculation of the TMDL, Winter, 5 mg/L DO

Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	3,157		789
Headwater / Tributary loads		23,922	
Benthic loads		5,314	
SUB-TOTAL	**3,157**	**29,236**	**789**
TMDL = WLA + LA + MOS		***33,183***	

Table 10. Calculation of the TMDL, Summer, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	1,624		406
Headwater / Tributary loads		25,100	
Benthic loads		9,441	
SUB-TOTAL	**1,624**	**34,541**	**406**
TMDL = WLA + LA + MOS		**36,572**	

6.0 Sensitivity Analyses

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. In LIMNOSS, one parameter is varied while all others remain unchanged. Thus the sensitivity of each parameter is reviewed separately. A sensitivity analysis was performed on the calibration. The sensitivity of the model's minimum DO to these parameters is presented in Appendix J. Parameters were varied by +/- 30%, except temperature, which was adjusted +/- 2 degrees Celsius.

As shown in the summary table in Appendix J, reaeration is the parameter to which DO is most sensitive. The other parameters creating major variations in the minimum DO values are depth, temperature, width and SOD. Nitrogenous and carbonaceous deoxygenation rates are slightly sensitive. The model is not sensitive to dispersion.

7.0 Conclusions

This modeling effort included three projection scenarios:

(1) Summer, March-November, 3 mg/L DO criterion (if UAA is realized)
(2) Winter, December-February, 5 mg/L DO criterion (if UAA is realized)
(3) Summer, March-November, 5 mg/L DO criterion

In order to meet the 5 mg/L DO criterion for the summer season, two facilities required more stringent limits along with a 25% decrease in SOD. The 25% decrease in SOD

could possibly be achieved by current modeling efforts in the Boeuf/Cocodrie systems which are north of Bayou Teche. The control strategies that will be implemented for the Boeuf/Cocodrie system will help reduce SOD in Bayou Teche.

The two remaining scenarios required no changes in SOD or point sources.

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 has implemented a watershed approach to surface water quality monitoring. Through this approach, the entire state is sampled over a five-year cycle with two targeted basins sampled each year. Long-term trend monitoring sites at various locations on the larger rivers and Lake Pontchartrain are sampled throughout the five-year cycle. Sampling is conducted on a monthly basis or more frequently if necessary to yield at least 12 samples per site each year. Sampling sites are located where they are considered to be representative of the waterbody. Under the current monitoring schedule, targeted basins follow the TMDL priorities. In this manner, the first TMDLs will have been implemented by the time the first priority basins will be monitored again in the second five-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. The sampling schedule for the first five-year cycle is shown below.

1998 - Mermentau and Vermilion-Teche River Basins
1999 - Calcasieu and Ouachita River Basins
2000 - Barataria and Terrebonne Basins
2001 - Lake Pontchartrain Basin and Pearl River Basin
2002 - Red and Sabine River Basins

(Atchafalaya and Mississippi Rivers will be sampled continuously.)
Mermentau and Vermilion-Teche Basins will be sampled again in 2003.

8.0 References

LimnoTech, Inc. 1984. LIMNOSS Users' Manual: A One-Dimensional Steady-State Water Quality Model based on the USEPA ADAXIAL Framework, LimnoTech, Inc. Ann Arbor, MI. 71p.

Louisiana Department of Environmental Quality. 1987. State of Louisiana Water Quality Management Plan: Volume 4. *Basin/Segment Boundaries and Inventories*. LDEQ, Office of Water Resources, Water Pollution Control Division, Baton Rouge, Louisiana.

Louisiana Department of Environmental Quality. 1990. State of Louisiana Water Quality Management Plan: Volume 6, Part A *Nonpoint Source Pollution Assessment Report*. LDEQ, Office of Water Resources.

Louisiana Department of Environmental Quality. 1999. Environmental Regulatory Code: Part IX, *Water Quality Regulations*. Baton Rouge, Louisiana.

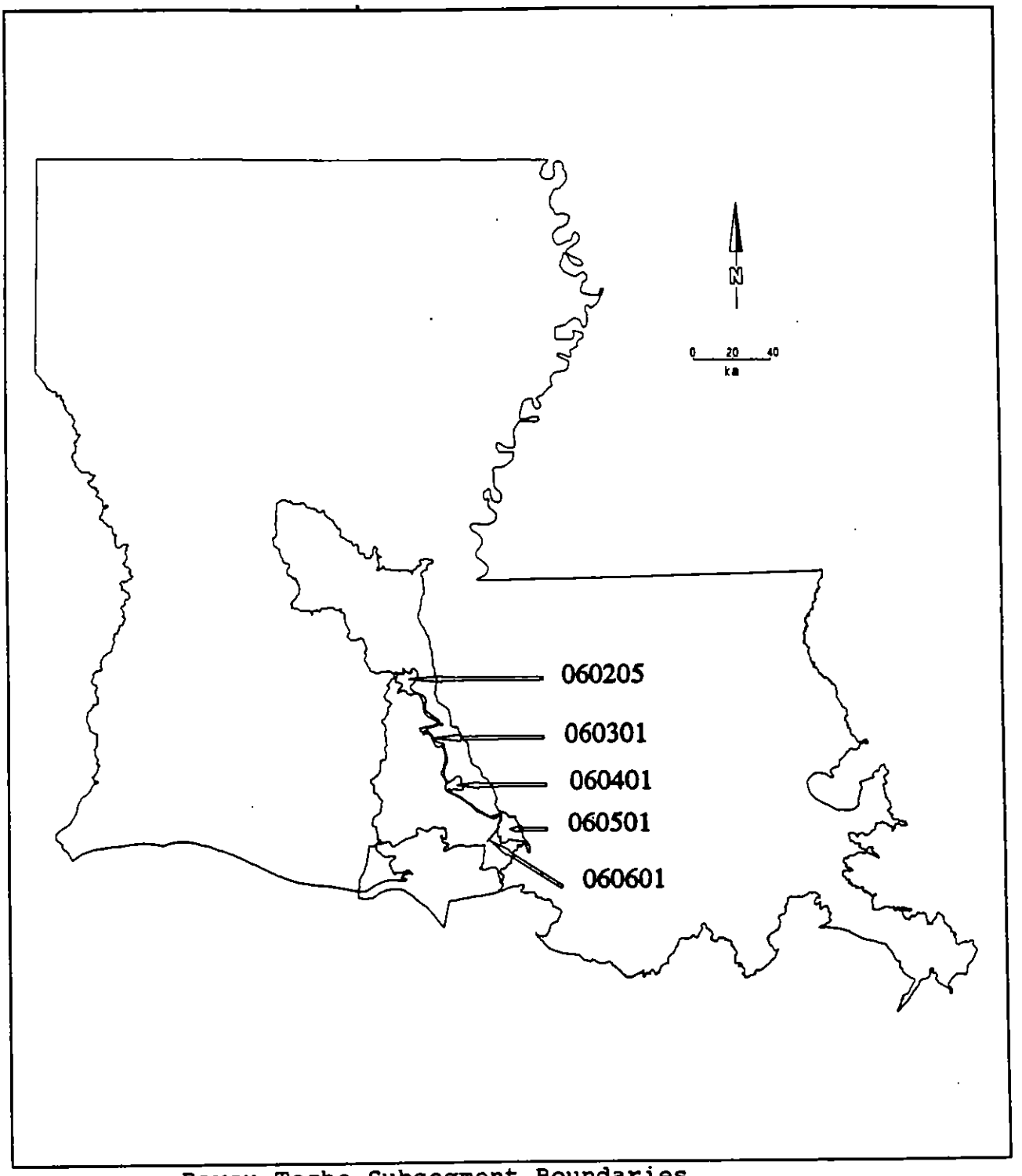
Rogers-Ramsey, Madeline. 1993. *Intensive Survey for Bayou Teche, April 1978*, for Louisiana Department of Environmental Quality, Office of Water Resources, Division of Water Pollution Control, Engineering Section, November 30, 1993; Revised January 31, 1995.

Rogers-Ramsey, Madeline. 1994. *Intensive Survey for Bayou Teche, November 1978*, for Louisiana Department of Environmental Quality, Office of Water Resources, Division of Water Pollution Control, Engineering Section, June 21, 1994; Revised February 14, 1995.

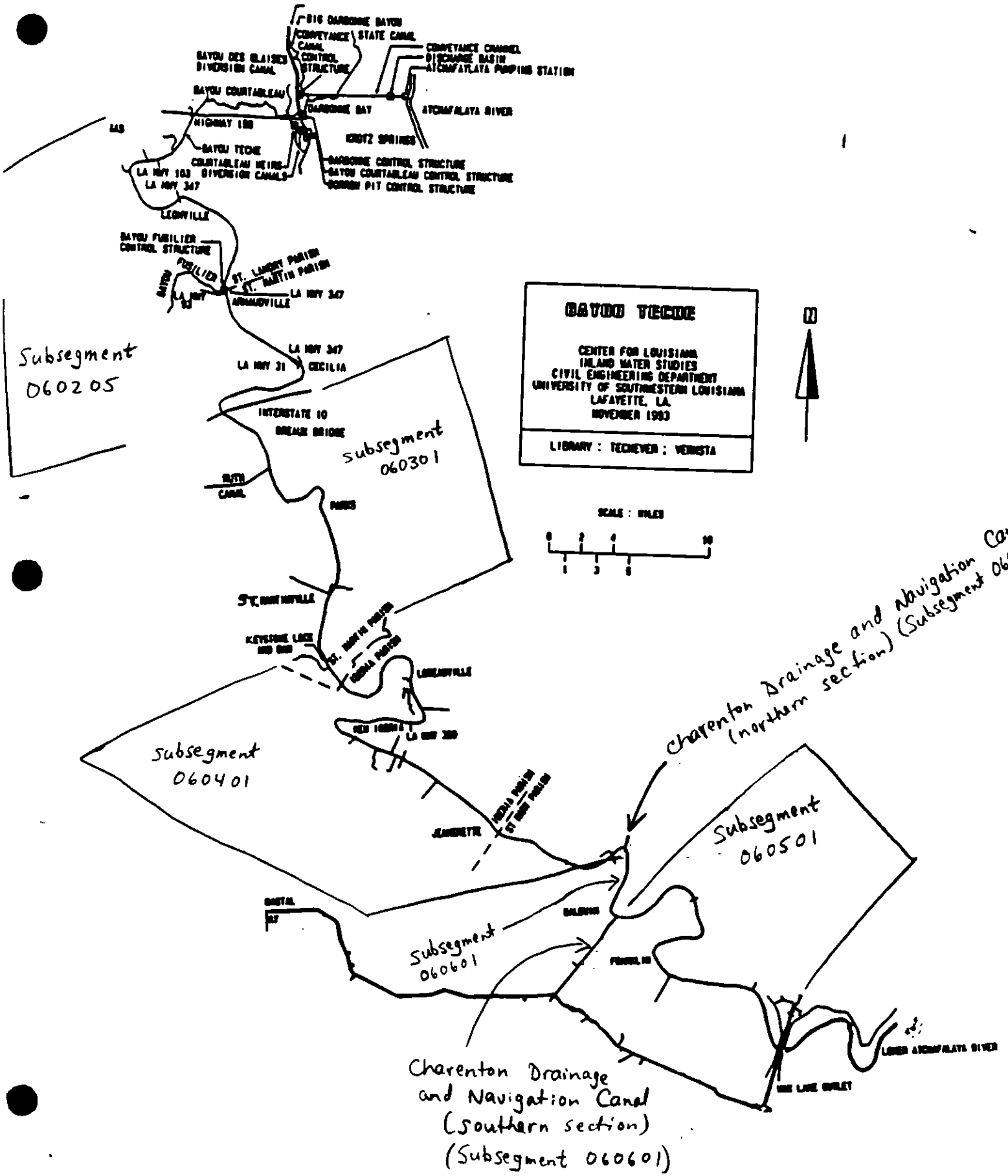
Standard Methods for the Examination of Water and Wastewater, 18th edition, 1992, page 4-101.

Appendix A - Maps of the Study Area, Wax Lake Outlet, East & West Calumet Floodgates, Flow Analysis for Bayou Teche at Franklin

FY 91 604 (b)
Grant No: C-220000-32 WE 1
IAG No : 24400-93-03
Bayou Teche Survey Rept 4/78 - Rogers-Ramsey
Originated: November 30,1993
Revised : January 31, 1995



Bayou Teche Subsegment Boundaries.


BAYOU TECHE
CENTER FOR LOUISIANA INLAND WATER STUDIES
CIVIL ENGINEERING DEPARTMENT
UNIVERSITY OF SOUTHWESTERN LOUISIANA
LAFAYETTE, LA.
NOVEMBER 1983
LIBRARY : TECHEVER : VERNISTA
N
SCALE : MILES
0 2 4 10
1 3 6
BIG BARBOME BAYOU
CONVEYANCE CANAL
STATE CANAL
CONTROL STRUCTURE
BAYOU DES BLAISES DIVERSION CANAL
CONVEYANCE CHANNEL
DISCHARGE BASIN
ATCHAFALAYA PUMPING STATION
BAYOU COURTABLEAU
BARBOME BAY
ATCHAFALAYA RIVER
HIGHWAY 190
KRUTZ SPRINGS
BAYOU TECHE
COURTABLEAU WEIRS
DIVERSION CANALS
BARBOME CONTROL STRUCTURE
BAYOU COURTABLEAU CONTROL STRUCTURE
BORROW PIT CONTROL STRUCTURE
LA HWY 103
LA HWY 347
LEONVILLE
BAYOU FUSILIER CONTROL STRUCTURE
FUSILIER
ST. LANDRY PARISH
ST. MARTIN PARISH
LA HWY 347
ARNAUDVILLE
LA HWY 347
LA HWY 31
CECILIA
INTERSTATE 10
BREAUX BRIDGE
RUTH CANAL
PARKS
ST. MARTINVILLE
KEYSTONE LOCK AND DAM
ST. MARTIN PARISH
IBERIA PARISH
LOREAUVILLE
NEW IBERIA
LA HWY 329
JEANERETTE
IBERIA PARISH
ST. MARY PARISH
BASTIAN BAY
BALDWIN
FRANKLIN
LOWER ATCHAFALAYA RIVER
THE LAKE OUTLET
Subsegment 060205
subsegment 060301
Subsegment 060401
Subsegment 060501
Subsegment 060601
Charenton Drainage and Navigation Canal (northern section) (Subsegment 060601)
Charenton Drainage and Navigation Canal (southern section) (Subsegment 060601)

execution of the plan. Other restricted sections of the channel are to be enlarged to increase the floodflow capacity of the Atchafalaya River. The improvement extends from the confluence of the Red, Old, and Atchafalaya rivers to Alabama Bayou, mile 57. All work has been completed, unless at a later date it is found that additional improvements are required. The cost of construction to date is $4,578,000. Work was completed in 1953.

Atchafalaya Basin Main Channel Improvement Dredging

The floodcarrying capacity of the Atchafalaya was developed by dredging a continuous main channel through the swamps of the central portion of the basin. The capacity of the floodway was being reduced by sedimentation in the floodway. The main channel preserves floodway capacity and reduces wetland loss by reducing overbank sedimentation in the Lower Atchafalaya Floodway. The dredging extended from the Atchafalaya River at Alabama Bayou to the main body of Sixmile Lake near Morgan City. No work has been performed on this feature since December 1968. The need and feasibility of continued channel dredging were addressed in the Phase I General Design Memorandum approved February 1983.

This document concluded that the river was enlarging naturally and that flows could be confined to the main channel by slightly raising its natural banks. This channel training work would also significantly reduce sedimentation into the back wetlands. The initial channel training work above Morgan City was completed in 1989 when rock weirs were installed at Blue Point Chute and American Pass. Additional channel training and channel realignment work above Morgan City was completed in 1993. Material for enhancing the natural banks to confine the river came from within the construction right-of-way instead of the main channel which reduced environmental impacts by one third.

Wax Lake Outlet

The Corps constructed this outlet to convey floodwaters from the Atchafalaya Basin. The outlet, with an initial design capacity of 300,000 cubic feet per second, provides an additional means of safely passing flood

waters to the Gulf of Mexico. The dredged channel is about 10 miles west of Berwick and extends from Sixmile Lake through the Teche Ridge and Wax Lake into Atchafalaya Bay, a distance of about 15.7 miles.

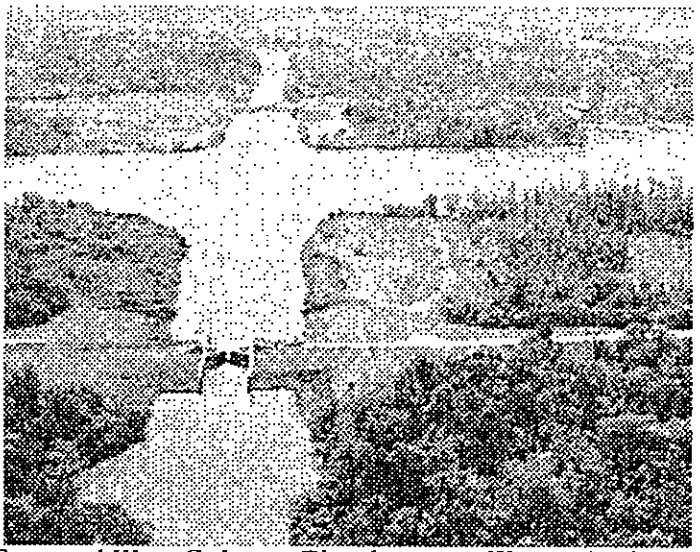
The channel was initially constructed to a bottom width of 300 feet from Sixmile Lake to a point onehalf mile below Bayou Teche, 400 feet below that point, and a uniform depth of 45 feet NGVD. The excavated material from the channel dredging was used to construct guide levees extending from the WABPL to the Intracoastal Waterway on each side of the outlet.

The Wax Lake Outlet Control Structure was constructed in 1987 to stabilize the distribution of low to normal floodway outlet flows to approximately 70 percent/30 percent between the Lower Atchafalaya River and the Wax Lake Outlet and to increase the channel development of the Lower Atchafalaya River, thereby increasing the combined capacity of the Lower Atchafalaya River and the Wax Lake Outlet to convey flood flows. Flooding of riverfront businesses along the Lower Atchafalaya River in Morgan City/Berwick Louisiana occurred more frequently after the completion of the Wax Lake Outlet Control Structure. Local interests claimed that the control structure was primarily responsible for the more frequent flooding and requested a complete removal of the weir and dredging of the channel above the weir. The President of the Mississippi River Commission directed the removal of the weir, as requested. The weir removal was completed in March 1995 and the dredging of Sixmile Lake was completed in June 1995.

Rock from the Wax Lake Outlet Control Structure was used to protect the shorelines along Freshwater Bayou in Vermilion Parish and along the Avoca Island levee at Bayou Shaffer in St. Mary Parish. The Wax Lake Outlet rock was also used to fill a scour hole in the Charenton Drainage Canal at Bayou Teche in St. Mary Parish and to build segmented breakwaters on the north side of Grand Isle in Jefferson Parish to slow wetland erosion.

The East and West Calumet floodgates, described below were constructed where the guide levees cross Bayou Teche to allow continued navigation. New bridges were constructed to carry U.S. Highway 90 and the Southern Pacific lines over the dredged channel. This improvement

was completed in 1942 at a cost of $7,122,000, and is maintained by the U.S. Army Corps of Engineers, except for the bridges, which are maintained by their owners.



East and West Calumet Floodgates at Wax Lake Outlet

East and West Calumet Floodgates

These floodgates are located in the East and West Wax Lake Outlet guide levees where the levees cross Bayou Teche. Each floodgate is a reinforcedconcrete structure 161 feet long, with a 45foot clear width, a sill depth of 9.8 feet NGVD, and steel sector gates.

The floodgates allow navigation in Bayou Teche and regulate flows to some extent. They were completed in 1950 at a cost of $1,320,000. Operation and maintenance are the responsibility of the U.S. Army Corps of Engineers. Detailed engineering to modify the existing structures to the project flood flowline had been suspended because of the removal of the Wax Lake Outlet weir and pending the results of the lower Atchafalaya Basin Reevaluation Study. However, that position is being re-evaluated at this time.

Charenton Floodgate

This floodgate is located in the WABPL, about 1 mile north of Charenton. It is a reinforcedconcrete structure 175 feet long, with a clear width of 45 feet, a depth of 10.8 feet NGVD, and steel sector gates.

The floodgate regulates flows between Bayou Teche and the Atchafalaya Basin Floodway and affords a navigation connection between Grand Lake and the WABPL borrow

This list does not include all 53 pages of the flow data, but all of the data was used in the percentile analyses.

This list contained 125 positive flow values out of 1911 total values. The rest were negative indicating that the flow direction is from Wax Lake Outlet/Lower Atchafalaya River to the southern part of the Charenton Drainage and Navigation Canal. The positive values were removed for this analysis since they represent high or flood flow conditions. The remaining negative values were changed to positive values in order to analyze the data.

US GEOLOGICAL SURVEY
DAILY MEAN DISCHARGE DATA
#
Station name : Bayou Teche Nr Franklin, La
Station number: 07385800
latitude (ddmmss)..... 294730
longitude (dddmmss)..... 0912956
state code..... 22
county..... St Mary
hydrologic unit code..... 08080102
basin name..... Bayou Teche
drainage area (square miles).....
contributing drainage area (square miles).....
gage datum (feet above NGVD)..... 0
base discharge (cubic ft/sec).....
WATSTORE parameter code..... 00060
WATSTORE statistic code..... 00003
 # Discharge is listed in the table in cubic feet per second.
#
Daily mean discharge data were retrieved from the
National Water Information System files called ADAPS.
#
Format of table is as follows.

March-November Discharge:	
5th percentile=	23 cfs
10th percentile=	46 cfs
15th percentile=	65.2 cfs
December-February Discharge:	
5th percentile=	57 cfs
10th percentile=	108 cfs
15th percentile=	137.5 cfs

Lines starting with the # character are comment lines describing the data
included in this file. The next line is a row of tab-delimited column
names that are Date and Discharge. The next line is a row of tab-delimited
data type codes that describe a 10-character-wide date (10d) and an
8-character-wide numeric value for discharge (8n). All following lines are
rows of tab-delimited data values of date (year.month.day) and discharge.
A value of "E" or "e" in the Flags field indicates that the discharge for
this day was estimated. Any other values shown in this field are irrelevant.
#
NOTE this file was requested from the NWIS-W software package
on Mon Jan 3 17:18:43 2000
Dates are now in YYYY.MM.DD format.
#
----Date Range In File----
1 09/30/1986-09/30/1992

Date	Month	Day	Year	Discharge	Discharge	Flags
10s				8n	8n	2s
3/12/1992	3	12	1992	-5.7	5.7	
3/6/1992	3	6	1992	-13	13	
3/8/1992	3	8	1992	-14	14	
3/14/1990	3	14	1990	-31	31	
3/27/1991	3	27	1991	-32	32	
3/29/1991	3	29	1991	-50	50	
3/4/1990	3	4	1990	-54	54	
3/1/1990	3	1	1990	-57	57	
3/17/1992	3	17	1992	-59	59	
3/22/1992	3	22	1992	-69	69	
3/16/1991	3	16	1991	-72	72	
3/28/1991	3	28	1991	-79	79	
3/5/1992	3	5	1992	-82	82	
3/22/1991	3	22	1991	-94	94	
3/11/1992	3	11	1992	-99	99	
3/29/1992	3	29	1992	-100	100	
3/3/1990	3	3	1990	-109	109	
3/14/1992	3	14	1992	-113	113	

Appendix B - List of Facilities and Modeling Decision for Each, Facility Flow, Current and Proposed Permit Limits

File Review of Facilities from PTS

# on map	Facility	File Number	Permit Status	Discharge Route	Flow	Current Permit Limits	RM	Chosen Flow Rate, gpd	Chosen Flow Rate, cfs	Chosen Flow Rate w/ Safety Factor (cfs)= Chosen Flow Rate X 1.25	Proposed CBOD5 permit limit (mg/L)	UCBOD model input (mg/L)= proposed CBOD5 X 2.3	Proposed NH3-N permit limit (mg/L)	UNBOD model input (mg/L)= proposed NH3-N X 4.3	Proposed DO permit limit & model input (mg/L)
8	Cypress Bayou Casino	LA0098710	Expires Sept. 1999	unnamed ditch-B. Teche	From permit: Treated sanitary wastewater, est.flow is 150,000 gpd	BOD5 daily avg=10 mg/L. No limits in permit for NH3 & DO. TSS permit limit=15 mg/L daily avg.	33.64	150,000	0.23208	0.2901	10	23	10	43	2
36	Yellow Bowl Restaurant	LAG530611	Expires November 2002	B. Teche	Treated sanitary sewage, capacity=3640 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	38.2	3,640	0.005632	0.00703976	45	103.5	15	64.5	2
12	Iberia Parish School Board, Jeanerette Sr. High School	LAG540380 WG020605	Expires Aug. 2002	B. Teche	Treated sanitary sewage, max expected flow=11,960 gpd.	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L and no limits for NH3, DO.	45.41	11,960	0.018505	0.02313064	30	69	15	64.5	2
11	Iberia Parish Government, Rosedale Subdivision	LAG540378	Aug. 2002	B. Teche	Treated sanitary sewage, design capacity=8643 gpd	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L. No limits for NH3, DO.	46.65	8,643	0.013372	0.016715562	30	69	15	64.5	2
24	Mosquito Control Contractors Inc. (MCCI)	LA0100650	Expires April 2001	roadside ditch-B. Teche	Outfall 001=treated sanitary wastewater, est. flow is 1000 gpd. Outfall 002=washrack wastewater, est. flow is 200 gpd. Ignore washrack wastewater.	Outfall 001: BOD5 weekly avg=45 mg/L and no limits for NH3 and DO. Outfall 002: no limits for BOD5, NH3, DO.	48.86	1,000	0.001547	0.001934	45	103.5	15	64.5	2
2	Bayou Side Trailer Park	LAG530055	Expires November 2002	B. Teche	Treated sanitary sewage. Permitted for <5000 gpd. No other flows found, but the max number of lots that could ever be filled is 16. Using Dept. of Health Sanitary Code, 16 X 300 gpd=4800 gpd.	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	50.24	4,800	0.007427	0.0092832	45	103.5	15	64.5	2
14	Iberia Sugar Coop., Inc.*	LA0002895	Expires September, 2002	Ditch to Bayou Teche	From permit: Outfall 004 (24 hr/day), #5A containment pit overflow, estimated flow is 1.0 MGD. Outfall 006, once-through non-contact cooling water estimated flow is 0.37 MGD. Outfall 007, #7 containment pit overflow, estimated flow is 1.0 MGD if outfall 004 is not discharging.	From permit, BOD5 monthly avg=150 lbs/day(=18.0 mg/L) for outfall 004 and no limits for NH3, DO. No BOD5, NH3, DO limits for outfall 6. Outfall 7 has BOD5 limit as 150 lbs/day monthly avg and no limits for NH3, DO. The mass limitations shall apply to the sum of outfalls 1-5 & 7. Outfalls 1-3 & 5=normally no flow.	54.89 outfall 004, outfall 006 54.44, outfall 007 54.62	see below	see below	see below	see below	see below	see below	see below	see below
	Iberia Sugar Coop., Inc.* continued; outfall 004						54.89	1,000,000	1.5472	1.934	18	41.4	0	0	2
	Iberia Sugar Coop., Inc.* continued, outfall 006						54.44	370,000	0.572464	0.71558	0	0	0	0	2
23	Louisiana Water Co.-New Iberia Water Treatment Plant	LA0069841	Expired June, 1996	ditch-B. Teche	Type Facility: Municipal Water Supply. Source=ground water. Products: Potable Water. Lime softening of hard well water. Expired permit has treated filter backwash and clarifier underflow, est. flow=128,000 gpd. June 1996 corrected pg. 5 in application has: New Iberia Clarifier Blowdown & Backwash Water, daily min=300,000 gpd, 30-day max=8,517,888 gpd.	no limits for BOD5, NH3, & DO in permit. The corrected pg. 5 of appl. has BOD5 daily avg=2 mg/L, NH3 as N=0.96 mg/L.	54.54	300,000	0.46416	0.5802	2	4.6	0.96	4.128	2
6	Cajun Sugar Coop., Inc.; Cajun Sugar Factory* (See comment 1 at end of spreadsheet)	LA0004171	Expires Feb. 2000	unnamed ditch to B. Teche.	Water source=ground water well. From permit: est. flow=2.0 MGD (6 mo/yr), outfall 001, after the grinding season, stabilized wastewater from overflow of spray cooling pond, barometric condenser cooling water, floor washwater, filter mud, fly ash, cane washwater from settling ponds and surplus stormwater runoff.	BOD5: daily avg=250 lbs/day=15.0 mg/L, daily max=500 lbs/day, daily max=15 mg/L. No limits in permit for NH3 & DO.	57.85	2,000,000	3.0944	3.868	5	11.5	0	0	5
13	Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	LAG540383	Aug. 2002	2.32 mi Ditch-B. Teche. Will model this going directly to B. Teche	Treated sanitary sewage, design capacity=19,000 gpd.	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L. No limits for NH3, DO.	61.97	19,000	0.029397	0.036746	30	69	15	64.5	2
5	Breaux's Bay Craft Inc	LAG530854	Expires November 2002	local drainage-B. Teche	Treated sanitary wastewater, actual flow=1300 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	62.9	1,300	0.002011	0.0025142	45	103.5	15	64.5	2

* Included in previous model

File Review of Facilities from PTS

# on map	Facility	File Number	Permit Status	Discharge Route	Flow	Current Permit Limits	RM	Chosen Flow Rate, gpd	Chosen Flow Rate, cfs	Chosen Flow Rate w/ Safety Factor (cfs)= Chosen Flow Rate X 1.25	Proposed CBOD5 permit limit (mg/L)	UCBOD model input (mg/L)= proposed CBOD5 X 2.3	Proposed NH3-N permit limit (mg/L)	UNBOD model input (mg/L)= proposed NH3-N X 4.3	Proposed DO permit limit & model input (mg/L)
22	Loreauville, Village of*	LA0038440	Expired Feb. 1999	effluent pipe, private sewer, B. Teche as stated in application.	Treated sanitary wastewater. Avg raw wastewater flow=38,000 gpd. Treatment design capacity--existing=0.1 MGD. Estimated or expected treated wastewater flow--existing=0.1 MGD. All from the application.	BOD5 daily avg=10 mg/L as stated in permit. No permit limits for DO & NH3.	63.73	100,000	0.15472	0.1934	10	23	10	43	2
33	St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant* (See comment 2 at the end of this spreadsheet)	LA0043991	Expired October, 1996	Pipe, B. Teche, Charenton D & N Canal, West Cote Blancho Bay	treated sanitary wastewater, design capacity=3.0 MGD as stated in permit. Most recent application: Treatment design capacity--existing=3.0 MGD and planned=3.0 MGD; estimated or expected treated wastewater flow--existing=1.38 MGD and planned=3.0 MGD (max).	BOD5 daily avg=10 mg/L as stated in permit. No permit limits for DO & NH3.	77.52	3,000,000	4.6416	5.802	5	11.5	2	8.6	2
3	Bent Oak Trailer Park	LAG540911	Expires Aug 2002	Ditch-B. Teche	Treated sanitary wastewater, avg design flow=17,700 gpd	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L and no limits for NH3, DO.	88.61	17,700	0.027385	0.0342318	30	69	15	64.5	2
20	LA Sugar Cane Coop Inc, Breaux Bridge Branch*	LA0000787	Expires March, 2001	Ditch to Bayou Teche (Outfall 002)	Outfall 002 is once-through non-contact cooling water, 0.18 MGD, 24 hr/day. Water source=City of Breaux Bridge potable water.	no limits for BOD5, NH3, & DO in permit	90.7	180,000	0.278496	0.34812	0	0	0	0	2
9	Dallas Trailer Park	LAG530160	Expires November 2002	unnamed ditch-B. Teche	Treated sanitary sewage, 2400 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	91.78	2,400	0.003713	0.0046416	45	103.5	15	64.5	2
1	Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	LAG530027	Expires November 2002	Ditch-B. Teche	Treated sanitary sewage, max expected flow=3000 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	94.62	3,000	0.004642	0.005802	45	103.5	15	64.5	2
30	St. Martin Parish School Board, Teche Elementary School	LAG540696 WG020911	Expires Aug. 2002	B. Teche	Treated sanitary sewage, max expected flow=9015 gpd	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L and no limits for NH3, DO.	98.44	9,015	0.013948	0.01743501	30	69	15	64.5	2
29	St. Landry Parish School Board, Leonville High School	LAG540689 WG020209	Expires Aug. 2002	Pipe-B. Teche	Treated sanitary sewage, max expected flow=7875 gpd.	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L and no limits for NH3, DO.	113.13	7,875	0.012184	0.01523025	30	69	15	64.5	2
7	CBS Enterprises, CBS Mobile Home Park (east pond)	LAG540226	Expires August 2002	Ditch-Coulee Rougo-B. Teche. Will model this going directly to B. Teche. It's 2.09 miles from B. Teche	Treated Sanitary Wastewater. Max expected flow=15,600 gpd	BOD5 monthly avg=30 mg/L. BOD5 weekly avg=45 mg/L. No limits for NH3, DO.	117.69	15,600	0.024136	0.0301704	30	69	15	64.5	2
32	St. Landry Parish Sewer District #1, Linwood Subdivision	LA0057401	Expired July 1996, but the NPDES permit issued June 1994 is now the LPDES permit, so this one expired June 1999.	unnamed ditch-Coulee Rouge-B. Teche. Will model this going directly to B. Teche. It's 3.05 miles from B. Teche (no map in file--location is estimated).	Treated sanitary wastewater, use 48,000 gpd which is 474 people (residences) X 100 + 30 people (office) X 20.	From expired permit: BOD5 daily avg=10 mg/L and no limits for NH3, DO.	117.81	48,000	0.074266	0.092832	10	23	10	43	2
27	Port Barre, Town of; Port Barre Wastewater Treatment Plant*	LA0020419	Expired April 1999	effluent pipe to B. Teche	Treated sanitary wastewater, est. flow=0.217 MGD. New application has average flow=0.35 MGD and design flow=0.50 MGD	BOD5 daily avg=10 mg/L. BOD5 daily max=15 mg/L. No limits in permit for NH3 & DO.	123.9	500,000	0.7736	0.967	10	23	10	43	2

(1) The proposed limits listed in this spreadsheet for this facility are 5/0/5 for March-November with DO criterion of 5 mg/L.
(2) The proposed limits in this spreadsheet for this facility are 5/2/2 for March-November with DO criterion of 5 mg/L.

Discarded Facilities:

* Included in previous model

File Review of Facilities from PTS

# on map	Facility	File Number	Permit Status	Discharge Route	Flow	Current Permit Limits	RM	Chosen Flow Rate, gpd	Chosen Flow Rate, cfs	Chosen Flow Rate w/ Safety Factor (cfs)= Chosen Flow Rate X 1.25	Proposed CBOD5 permit limit (mg/L)	UCBOD model input (mg/L)= proposed CBOD5 X 2.3	Proposed NH3-N permit limit (mg/L)	UNBOD model input (mg/L)= proposed NH3-N X 4.3	Proposed DO permit limit & model input (mg/L)
26	Ouachita Fertilizer Co., New Iberia Facility	LA0081868	Expires March, 2001	unnamed ditch to B. Teche.	Outfall 001=uncontaminated stormwater runoff, est. intermittent flow=12,000 gpd. Outfall 002, uncontaminated stormwater runoff, est. intermittent flow=12,000 gpd. Outfall 003=external truck wash wastewater, est. intermittent flow=1000 gpd. DMR values for the last 3 years indicated very low ammonia levels in the truck wash wastewater, so discard.	Outfall 001, 002: ammonia as N=100 mg/L daily max and no limits for BOD5, DO. Outfall 003: ammonia as N=50 mg/L daily max and no limits for BOD5, DO.	49.93		0	0		0		0	
35	United Parcel Service, New Iberia Center	LA0096849	Expires March 2004	Unnamed trib-B. Teche	Outfall 001=intermittent discharge of external vehicle washwater and stormwater runoff, est. flow is 2,500 gpd. Outfall 002=discharge of treated sanitary wastewater, est. flow is 650 gpd. Discard since insignificant flow.	Outfall 001: no limits for BOD5, NH3, & DO in permit. Outfall 002: BOD5 weekly avg=45 mg/L and no limits for NH3, DO.	47.31 bad map so approx		0	0		0		0	
34	Stelly Construction, Inc.	WP3833 LA0105562	Expires Dec. 2003	B. Teche	Outfall 001=intermittent discharge of treated equipment washwater, est. flow is 10 gpd. Outfall 002=discharge of treated sanitary wastewater, est. flow is 200 gpd. Insignificant flow, so discard.	Outfall 001: no limits for BOD5, NH3, & DO in permit. Outfall 002: BOD5 weekly avg=45 mg/L and no limits for NH3, DO.	106.86		0	0		0		0	
28	Preferred Electric, Inc.	LAG530433	Expires November 2002	B. Teche	Treated sanitary sewage, 240 gpd. Insignificant flow, so discard.	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	48.97		0	0		0		0	
10	Delhomme Industries	LAG530164	Expires November 2002	B. Teche	Treated sanitary sewage, max expected flow=300 gpd. Insignificant flow, so discard.	BOD5 weekly avg=45 mg/L and no limits for NH3, DO	no good map avail.		0	0		0		0	
15	Jeanerette Sugar Co., Inc.; Jeanerette Sugar Mill*	LA0000213	Expires October, 2000	B. Teche	Outfall 003: once through non-contact cooling water, 1200 GPM=1,728,000 gpd. Discharges October through December. Intake is from B. Teche & discharged to B. Teche so net flow is zero and temperature is not being modeled.	No limits for BOD5, NH3, & DO in permit	43.41	1,728,000	2.673562	3.341952	0	0	0	0	2
21	LA Sugar Coop., Inc; St Martin Sugar Mill*. (Old name=St. Martin Sugar Coop.& was merged with Breaux Bridge Sugar Coop & renamed to LA Sugar Coop.)	LA0004375	Expires August, 2000	B. Teche (outfall 002)	From application: once-through non-contact cooling water. 864,000 GPD 30-day maximum, daily minimum=432,000 gpd. Water intake is from B. Teche and is discharged to B. Teche. Discard because net flow is zero and because temperature is not being modeled.	no limits for BOD5, NH3, & DO in permit	78.17		0	0		0		0	
	A. Moresi Foundry, Inc.	LA0034550	Expired March, 1999	Unnamed ditch-B. Teche	No new application found. Expired permit has: Outfall 001=low contamination stormwater runoff, est. flow is 1000 gpd	no limits for BOD5, NH3, & DO in permit									
	Acadian Environmental Inc., Green's Piggly Wiggly	LAG830097	Expires Dec. 2002	B. Teche	This is a General Permit for Discharge Resulting From Implementing Corrective Action Plans for Cleanup of Petroleum UST Systems. Not a BOD source. Highest flow value on the only DMR available is 5400 gpd.										
	Allwaste Oilfield/Tiger Cleaning Sys Inc.,Massey's Crude Oil	WP5357			Only found temporary permits that have expired.										
	American Coastal Energy, Inc.	LA0082350, WP1948	Expired May, 1999	Receiving Waters: Thorguson Canal, Yellow Bayou Canal, Hanson Canal, Cow Island Bayou, B. Portage, Williams Storage Canal, Franklin Canal, Intracoastal Waterway and associated natural and manmade waterbodies.	1994 application has that the only discharge associated with this facility is stormwater runoff that is not captured by the existing barge sump system, 30 bbl/day=1260 gpd into B. Sale. Hanson Canal is the only one that goes to B. Teche so this facility doesn't need to be considered.										
4	Berwick-Bayou Vista Joint Waterworks Commission, Berwick-Bayou Vista Joint Waterworks	LA0006921	Expires July 2003	B. Teche, located on east side of Wax Lake Outlet which is not in our subsegment	Filter backwash water and solids removed from the intake water from a potable water treatment facility, est.flow=246,000 gpd. Intake is from B. Teche.	no limits for BOD5, NH3, & DO in permit									

* included in previous model

File Review of Facilities from PTS

# on map	Facility	File Number	Permit Status	Discharge Route	Flow	Current Permit Limits	RM	Chosen Flow Rate, gpd	Chosen Flow Rate, cfs	Chosen Flow Rate w/ Safety Factor (cfs)= Chosen Flow Rate X 1.25	Proposed CBOD5 permit limit (mg/L)	*UCBOD* model input (mg/L)= proposed CBOD5 X 2.3	Proposed NH3-N permit limit (mg/L)	*UNBOD* model input (mg/L)= proposed NH3-N X 4.3	Proposed DO permit limit & model input (mg/L)
	BJ Titan Services	WP0238	Cancelled	Cancelled	Cancelled	Cancelled									
	Breaux Bridge Chevron	WP4003			Only a green card found in A folder. No valid application found.										
	Breaux's Bay Craft Inc	GP16750, LAR05B040	not found	B. Teche	Storm water, no flows found	no limits for BOD5, NH3, & DO in permit									
	Burlington Resources Oil & Gas Co.	LA0107646 WP2300	Expired June 1999	In Permit: Receiving Waters: Thorguson Canal, Yellow Bayou Canal, Hanson Canal, Pipeline Canal, Cow Island Bayou, B. Portage, Williams Storage Canal, Franklin Canal, Intracoastal Waterway and associated natural and manmade *waterbodies.*	Oil and Gas Exploration, Development, and Production. No flow rates found. 1994 Application has the following for discharge points: Oilfield canal near Yellow Bayou, oilfield canal near Lattery Canal, dredged slip off Lattery Canal, oilfield canal near Thorguson Canal, dredged slip off Thorguson Canal. The only one that goes to B. Teche is Hanson Canal so this facility doesn't need to be *considered.*										
	Central LA Electric Co aka Cleco Corp, Breaux Bridge Station	GP10832			"A" file only exists. File created because of a spill. No permit, just inspection stuff										
	Charles G. Lawson Trucking, Inc.	LA0109151	Expired April 1999	unnamed natural drainage-unnamed ditch-B. Toulouse	Outfall 001=truck wash wastewater, est. flow=3000 gpd. Outfall 002=treated sanitary wastewater, est. flow=500 gpd. Didn't include this facility in the Limnoss model since it's the only one on B. Toulouse and also since the facility flow is insignificant.	Outfall 001: no limits for BOD5, NH3, & DO. Outfall 002: BOD5 daily max=45 mg/L and no limits for NH3, DO.									
	Chitimacha Tribe of Louisiana*	LA0050971	Cancelled	Cancelled	Cancelled	Cancelled									
	Cleco Utility Grp Inc. pka Cleco Corp., New Iberia Transformer Repair Shop	LA0099635		B. Teche	stormwater runoff, doesn't need to be considered.										
	Cleve Fredorrick & Son Tank Co.	GP8107		Pharr Canal	Only "A" file exists. File exists only because of a complaint. No permit, no application. Only info in file is complaint forms.										
	Concrete Service Inc, Nuba Pit	WP4656	Void	Void	Void	Void									
	Delta Express	GP8380			"A" file only exists and created due to a complaint. Only info is a complaint form and facility inspection form.										
	Diamond Shamrock, Store No. 601	GP10683			"A" file only exists. It contains stuff dealing with a temporary permit in 1992 that has expired. No other info.										
	Dugas Oil Company, Dugas Trailer Park	GP6269			"A" file only exists. No permit or application found. Only stuff from 1989-90 dealing mainly with a complaint.										
	Duke Energy Field Services Inc, was Union Pacific Resources	LA0100501			According to their map, they are located on the east side of Wax Lake Outlet, which doesn't involve any of our B. Teche subsegments.										
	Enterprise Prod Co	GP17333, LAR05A403	not found	not found	not found	not found									
	Enterprise Products Co.	GP17334, LAR05A405	not found	B. Teche/B. Ami	Storm water, no flows found	not found									
	Enterprise Products Co.	GP17335, LAR05A502	not found	B. Teche/B. Ami	Storm water, no flows found	not found									
	Enterprise Transportation Co.	GP17340, LAR05A501	not found	B. Teche/B. Ami	Storm water, no flows found	not found									
	Evangeline Pepper & Food Co., St. Martinville Food Co Inc	LA0003557			No permit found and there's just old stuff from the 1940s-70s										
	Gauthier Industries L.L.C., Tropical Car Wash	LAG750267			Doesn't need to be considered.										
	Golden Oil Co.	GP7622			"A" file only exists--only contains complaint and inspection forms. No permit or application.										
	Harvey Rig-Air and Engine Service, Inc.	WP0372			Only found a proposed permit from 1983 and old stuff from 1982-83.										

* Included in previous model

File Review of Facilities from PTS

# on map	Facility	File Number	Permit Status	Discharge Route	Flow	Current Permit Limits	RM	Chosen Flow Rate, gpd	Chosen Flow Rate, cfs	Chosen Flow Rate w/ Safety Factor (cfs)= Chosen Flow Rate X 1.25	Proposed CBOD5 permit limit (mg/L)	UCBOD model input (mg/L)= proposed CBOD5 X 2.3	Proposed NH3-N permit limit (mg/L)	UNBOD model input (mg/L)= proposed NH3-N X 4.3	Proposed DO permit limit & model input (mg/L)
	Hawthorne Oil and Gas	GP6875			"A" file only exists due to spill complaint, inspections, & compliance order. No permit.										
	Hells, William G., Estate of	LA0091910			Only found an application letter for a one-time discharge in 1995. Other items deal with Torrebonne Parish which isn't applicable.										
	Henry Truelove Fish Company	GP7617			Only "A" file exists. No permit. File created due to a complaint										
	Huval Tractor Co.	GP7638			No permit found in A folder. File created only because of a complaint.										
	Iberia Truck Repair	GP9881			Only "A" file exists. No permit or application. Only a 1992 "unpermitted discharge" letter from DEQ and nothing else.										
	Koch Gateway Pipeline Co., Opelousas Compressor Station	LA0108839	Expires May, 2000	B. Little Teche-B. Teche	Sheetflow stormwater runoff, 3100 gpd from application	no limits for BOD5, NH3, & DO in permit									
	LA Crawfish Wholesalers	WP2679			"F" file only exists and there's just an application from 1989 and nothing else.										
19	LA DOTD, Bayou Teche Bridge (Adeline)	LAG530294	Expires November 2002	B. Teche, insignificant flow so discard	Treated sanitary sewage, max expected flow=20 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO									
16	LA DOTD, Bayou Teche Bridge @ Charenton	LAG530295	Expires November 2002	B. Teche, insignificant flow so discard	Treated sanitary wastewater, max expected flow=20 gpd.	BOD5 weekly avg=45 mg/L and no limits for NH3, DO									
17	LA DOTD, Bayou Teche Bridge @ Jeanerette	LAG530296	Expires November 2002	B. Teche, insignificant flow so discard	Treated sanitary sewage, max expected flow=20 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO									
18	LA DOTD, Bayou Teche Bridge @ Lewis St.	LAG530297	Expires November 2002	B. Teche, insignificant flow so discard	Treated sanitary sewage, max expected flow=20 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO									
	Loomis International	GP9462			"A" file only exists. No permit or application. Just legal stuff like a penalty notice.										
	Maison Teche, Maison Teche Nursing Home	WG-020748 LAG540491	Expires Aug. 2002	Coulee Des Cannes-B. Teche. (I can't find a Coulee Des Cannes)	Treated sanitary sewage, <25,000 gpd	can probably ignore this since it's the only Coulee Des Cannes and <25K									
	Mapco Inc #3137	LAG830103			This is a General Permit for Discharge Resulting From Implementing Corrective Action Plans for Cleanup of Petroleum UST Systems. Not a BOD source. Highest flow value in the DMRs is 3826 gpd.										
	Mark's Scrap & Salvage	GP9727			File exists only because of a complaint. There is no permit.										
	Martin Mills, Inc.	GP17987, LAR05B143	not found	B. Teche	Storm water, no flows found	not found									
25	National-Oilwell L.P., New Iberia Repair Center	LA0099228	Expires July 2001	Unnamed ditch-B. Teche. Discard since this is not a BOD source	Outfall 001=combined equipment washwater and hydrostatic testing water from an oil/water separator, 100 gpd. Sheetflow stormwater runoff: 36,470 gpd	Outfall 001 and stormwater: No limits for BOD5, NH3, DO.									
	N.F. Inc, Flash Gas & Oil	GP9287			"A" file only--file created due to a spill. No permit.										
	National-Oil Well	GP17623, LAR05A413	not found	Ditch-B. Teche	Storm water, no flows found	not found									
	New Iberia, City of; LDFL	LA0086002			This is a closed landfill. No permit found.										
	Newpark Drilling Fluids, Inc	GP17061, LAR05B096	not found	B. Teche	Storm water, no flows found	not found									
	Paradise Carwash	LAG750201			Doesn't need to be considered										
	Parks, Village of; Housing Authority	LA0043451			No permit. The wastewater from this Housing Authority will be diverted to the Village of Parks Wastewater Treatment Facility.										
	Pearl Reef Oyster Co.	GP14161		Cypress Bayou, which is not in our subsegments.											
	Rapides Parish Sewerage Dist #1, Bayou Oaks Estate	LAG540605			The August 1997 permit has the receiving stream as B. Teche. This must be wrong. The facility is located in Alexandria, Rapides Parish. Previous permit and last application have Turkey Bayou as receiving stream.										

* included in previous model

File Review of Facilities from PTS

# on map	Facility	File Number	Permit Status	Discharge Route	Flow	Current Permit Limits	RM	Chosen Flow Rate, gpd	Chosen Flow Rate, cfs	Chosen Flow Rate w/ Safety Factor (cfs)= Chosen Flow Rate X 1.25	Proposed CBOD5 permit limit (mg/L)	UCBOD model input (mg/L)= proposed CBOD5 X 2.3	Proposed NH3-N permit limit (mg/L)	UNBOD model input (mg/L)= proposed NH3-N X 4.3	Proposed DO permit limit & model input (mg/L)
31	St. Mary Parish Government, Patterson Bridge	LAG530525	Expires November 2002	B. Teche, located east of Wax Lake Outlet which is not in our sebsegment.	Treated sanitary sewage, max expected flow=20 gpd	BOD5 weekly avg=45 mg/L and no limits for NH3, DO									
	Savoie's Sausage & Food Prod.	GP17719, LAR05A089	not found	Little Teche Bayou	Storm water, no flows found	not found									
	Savoie's Sausage & Food Prod.	GP17720, LAR05A348	not found	Little Teche Bayou	Storm water, no flows found	not found									
	Savoie's Sausage & Food Products	LA0095184	Expired May, 1998	Effluent pipe-road ditch-B. Little Teche	est. flow=13,000 gpd stated in permit; avg flow=13,000 gpd stated in application; treated process wastewater from a meat & poultry processor. Didn't include this facility in the Limnoss model since it's the only one on B. Little Teche and the facility flow is not significant.	From permit: BOD5 daily avg=4.5 lbs/day and no NH3 or DO limit in the permit.									
	Scurlock Permian Corp, Charenton Station	GP10069			*A* file only exists. Contains info dealing with a temporary discharge in 1992 for hydrostatic test of a storage tank.										
	SSCI, Milpark Drilling Fluids	GP4578			Only *A* file exists. No permit or application, just inspection and spill report forms.										
	Teche Processors, Inc.	WP4042			Only *F* file exists. There's an application from 1992 and nothing else.										
	Teche Sugar Co, Oaklawn Sugar Mill	LA0003247			Facility has been shut down										
	Tout De Suite Photo	LA0069736	Cancelled	Cancelled	Cancelled	Cancelled									
	United Parcel Service, Inc	GP17956, LAR05B116	not found	not found	Storm water, no flows found	not found									
	U.S. Filter Recovery Services, Inc.	GP17877, LAR05A565	not found	B. Teche	Storm water, no flows found	not found									
	Deep South Chemicals, Inc.	GP7507			file created due to complaint, so discard										
	Superior Tubular Services, Inc.	WP3473			no permit and application is from 1990, so discard.										
	University of Southwestern LA	LA0070297		B. Tortue	insignificant										
	Pressure Read Out Technology	GP11738			discard because: located in Broussard and probably not my part of Bayou Tortue, only inspection and compliance order stuff, no permit or application.										
	Transit Mix Concrete & Materials Co.	LA0108332			stormwater, so discard.										
	Holiday Utilities Inc.	LA0109983			goes to Cypress Bayou, which isn't a trib of B. Teche, so discard.										
	Tools Int'l Corp.	LAG530563			not my part of Bayou Tortue, so discard.										
	51 Oil Co.	WP4579			discard since not my part of Bayou Tortue and since it's just stormwater										
	Marine Turbine Technologies	WP4638			not on my part of Bayou Tortue, so discard										
	Water & Wastewater Utilities, Inc.	LA0072265			not my part of Bayou Tortue, so discard.										
	Acadiana Treatment Sys, Inc.	LA0077755			not my part of Bayou Tortue, so discard.										
	Norwel Equipment Co.	LA0101346			not my part of Bayou Tortue, so discard.										
	LA Safety Sys	LA0101427			not my part of Bayou Tortue, so discard.										
	Hill City Oil Co. Inc of Miss.	LA0103969			not my part of Bayou Tortue, so discard.										
	Devin Rental Tools, Inc.	LA0110264			not my part of Bayou Tortue, so discard.										
	Acadiana Treatment Sys, Inc.	LAG540097			not my part of Bayou Tortue, so discard.										
	Diesel Engine Ctr (DEC)	GP11260			no permit or application, just inspection stuff, so discard										
	Gordon Doerle Borrow Pit	LA0097888		ditch-B. Tortue-B. Teche	stormwater and 1000 gal septic tank from application. From permit: low contamination stormwater runoff, groundwater seepage, leachate from a construction and demolition debris landfill. Not permitted for BOD. So, discard.										

* Included in previous model

Appendix C - Conversions of Previous Model Data from lbs/day to mg/L

Data From Previous Modeling Work
Conversions of lb/d to mg/L

From Apr 78 TMDL Upstream Municipal:

Flow cfs	Flow MGD	wNH3 lb/d	wNH3 mg/L	wCBOD lb/d	wCBOD mg/L	wDO lb/d	wDO mg/L
83	53.64529	402.9	0.899993	1969.8	4.400116	2507	5.600107
540.6	349.4054	2679	0.918791	12988.6	4.454576	17491.3	5.998825
2.3	1.486556	1.2	0.096733	1.2	0.096733	55.8	4.498073
0.1	0.064633	0.5	0.927022	1.6	2.966471	2.7	5.00592
0.01	0.006463	1.4	25.95662	4.2	77.86986	0.4	7.416177
0.1	0.064633	6.6	12.23669	19.7	36.52467	1.8	3.33728
13.3	8.596174	71.7	0.999511	174.3	2.429774	143.5	2.000416
3.6	2.326784	19.2	0.988824	178.2	9.177519	38.4	1.977647
1.5	0.969493	148.7	18.37976	446	55.12692	39.6	4.894677
1.5	0.969493	153.7	18.99777	461.2	57.00568	41	5.067721

From Apr 78 Calibration Downstream:

Flow cfs	Flow MGD	"wNH3" lb/d **TKN**	"wNH3" mg/L **TKN**	UNBOD: TKN*4.3 mg/L	"wCBOD" lb/d **BOD5**	"wCBOD" mg/L **BOD5**	UCBOD: BOD5*2.3 mg/L	wDO lb/d	wDO mg/L
505.6	326.7839	5593.4	2.05111	8.819773	7915.8	2.902738	6.676298	13635.5	5.000162
0.2	0.129266	15.4	14.27614	61.38741	46.1	42.73572	98.29216	2	1.854044
0.2	0.129266	8.3	7.694284	33.08542	8.3	7.694284	17.69685	1.7	1.575938
8.2	5.299897	332.6	7.520185	32.33679	435.3	9.842262	22.6372	88.5	2.001011
2.9	1.874354	37.4	2.391078	10.28163	158.1	10.10774	23.2478	31.5	2.013876
0.1	0.064633	6.5	12.05129	51.82054	19.4	35.96846	82.72746	0.9	1.66864
2000	1292.658	10787.6	1.000034	4.300148	43150.4	4.000138	9.200317	96694.6	8.963804
0.01	0.006463	1.1	20.39449	87.6963	3.2	59.32942	136.4577	0.1	1.854044

From Apr 78 Calibration-Upstream:

Flow cfs	Flow MGD	"wNH3" lb/d **TKN**	"wNH3" mg/L **TKN**	UNBOD: TKN*4.3 mg/L	"wCBOD" lb/d **BOD5**	"wCBOD" mg/L **BOD5**	UCBOD: BOD5*2.3 mg/L	wDO lb/d	wDO mg/L
695	449.1986	6747.6	1.80005	7.740216	11246.1	3.000111	6.900254	14994.8	4.000147
0.4	0.258532	20	9.270222	39.86195	50.9	23.59271	54.26324	4	1.854044
2.3	1.486556	24.8	1.999143	8.596317	62	4.997859	11.49507	37.2	2.998715
1.4	0.90486	11.3	1.496479	6.434858	22.7	3.0062	6.914261	30.2	3.999439
0.01	0.006463	1.1	20.39449	87.6963	3.4	63.03751	144.9863	0.2	3.708089
0.1	0.064633	5.3	9.826435	42.25367	15.8	29.2939	67.37597	0.7	1.297831
0.5	0.323164	10.8	4.004736	17.22036	269.7	100.0072	230.0164	5.4	2.002368
0.5	0.323164	10.8	4.004736	17.22036	269.7	100.0072	230.0164	5.4	2.002368
1.5	0.969493	118.9	14.69639	63.19448	356.8	44.10153	101.4335	15.9	1.965287
13	8.402275	302	4.307088	18.52048	807.6	11.51789	26.49116	210.7	3.004978

From TMDL Baseline Downstream:

Flow cfs	Flow MGD	wNH3 lb/d	wNH3 mg/L	wCBOD lb/d	wCBOD mg/L	wDO lb/d	wDO mg/L
489.4	316.3133	2182.9	0.82697	9758.3	3.696837	14756.4	5.590319
400	258.5315	2157.5	1.000025	4315	2.00005	16397.2	7.600284

From Baseline TMDL Upstream:

Flow cfs	Flow MGD	wNH3 lb/d	wNH3 mg/L	wCBOD lb/d	wCBOD mg/L	wDO lb/d	wDO mg/L
83	53.64529	402.9	0.899993	1969.8	4.400116	2507	5.600107
540	349.0176	2621.4	0.900036	12915.7	4.434496	17475.9	6.000202
2.3	1.486556	1.2	0.096733	1.2	0.096733	55.8	4.498073
0.1	0.064633	0.5	0.927022	1.6	2.966471	2.7	5.00592

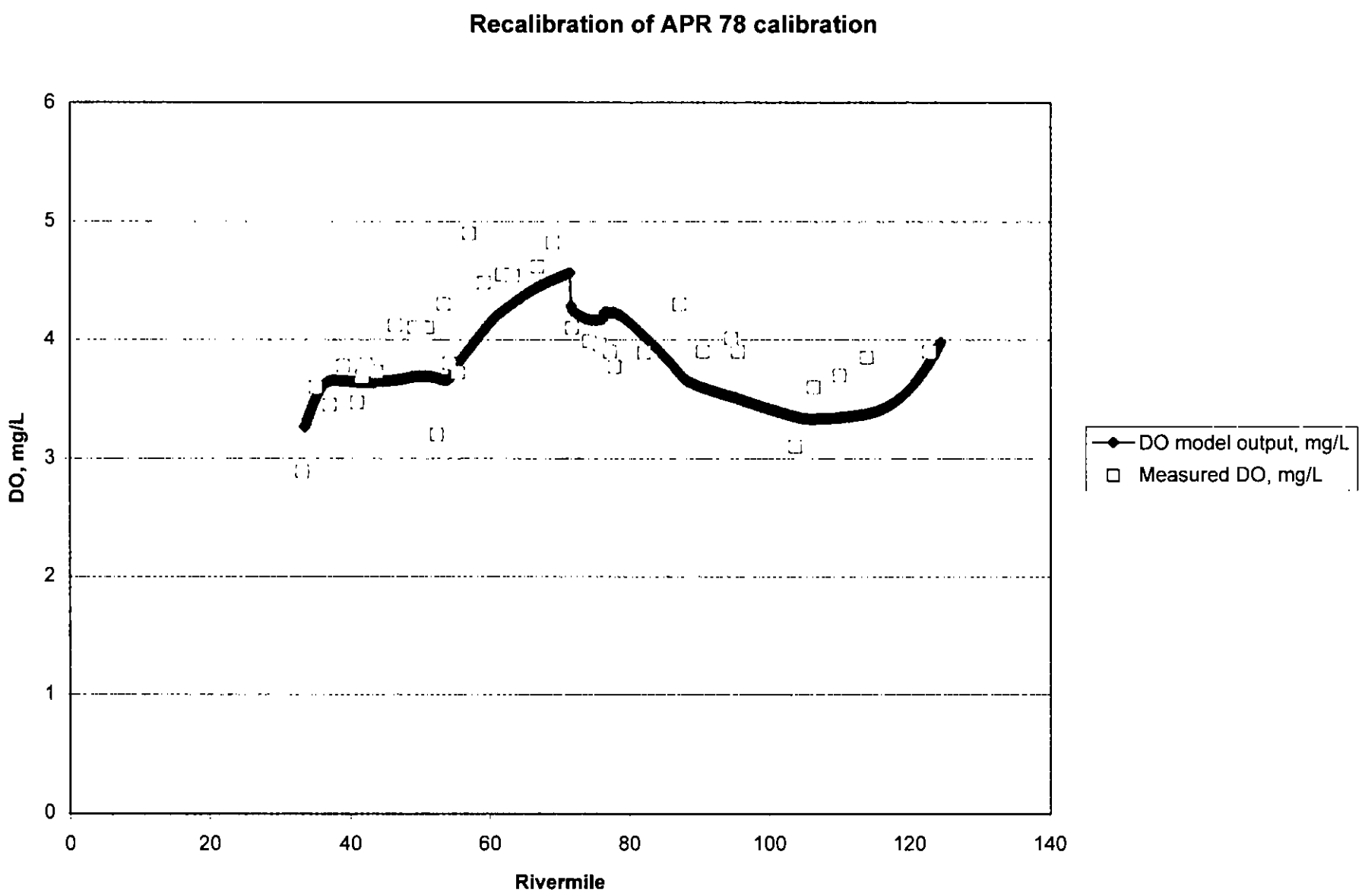
From "File Review of Facilities from PTS" spreadsheet--Cajun Sugar:

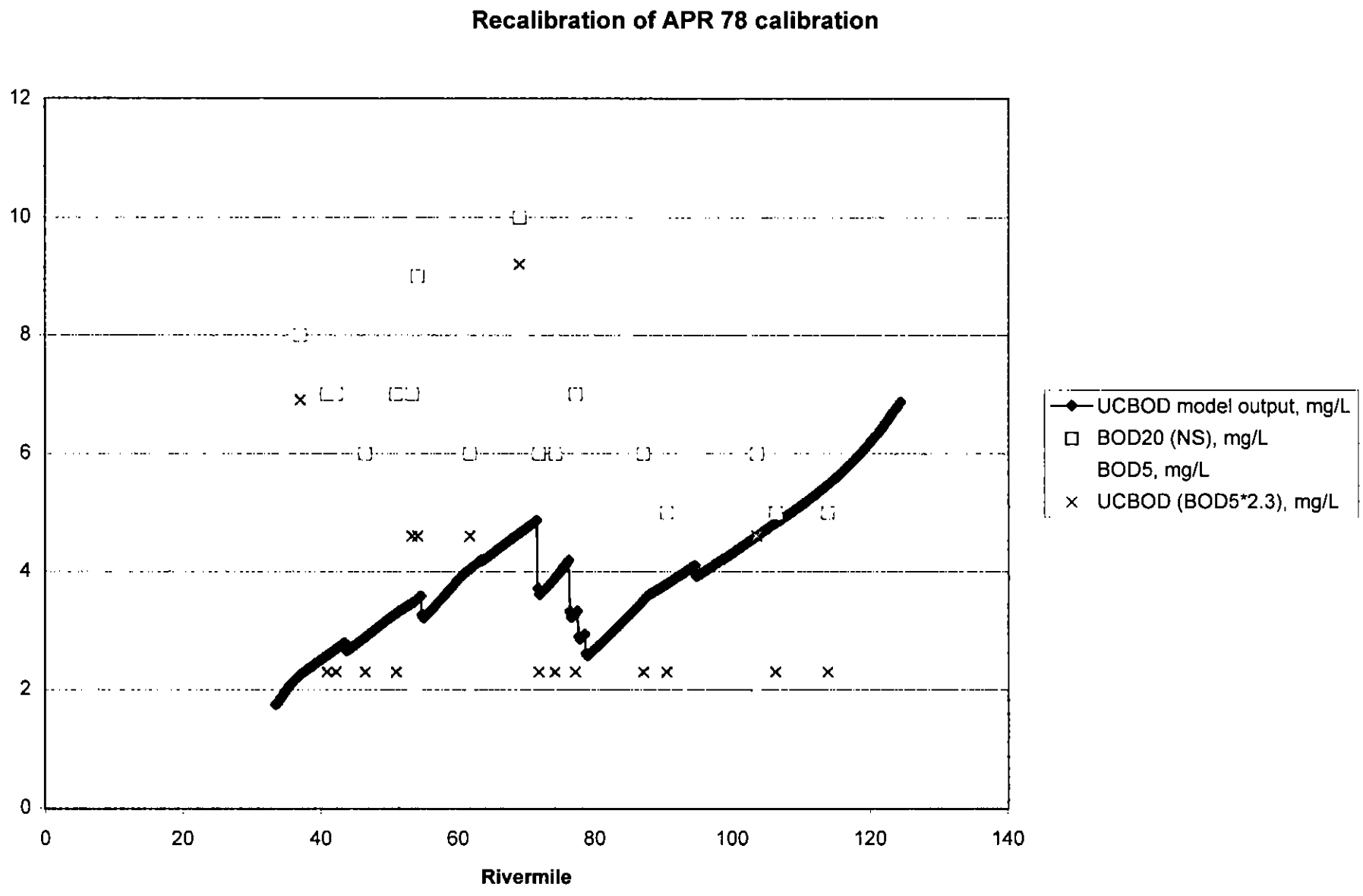
Flow cfs	Flow MGD	wNH3 lb/d	wNH3 mg/L	wCBOD lb/d	wCBOD mg/L	wDO lb/d	wDO mg/L
	2			250	14.97903		

From "File Review of Facilities from PTS" spreadsheet--Iberia Sugar Coop.:

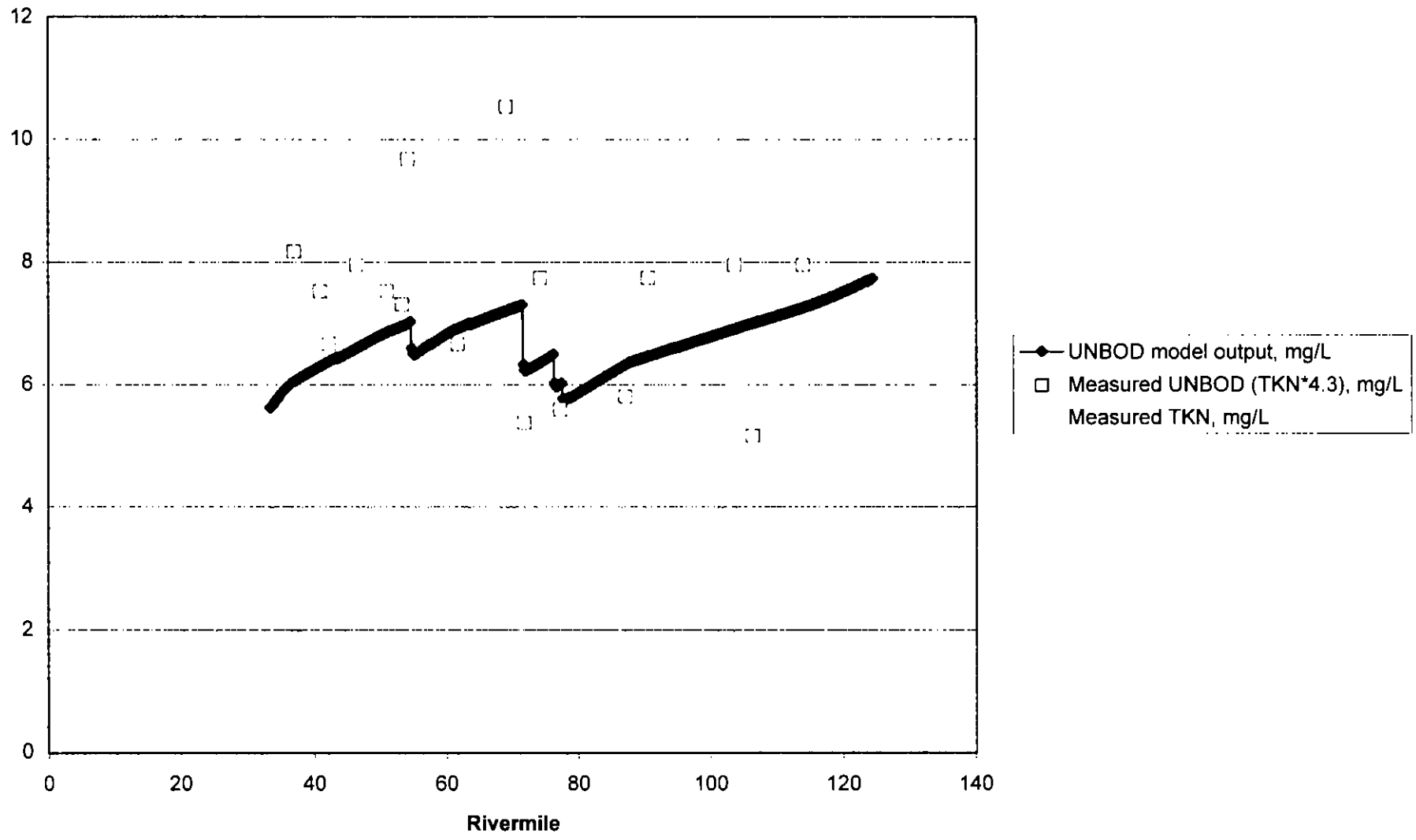
Flow cfs	Flow MGD	wNH3 lb/d	wNH3 mg/L	wCBOD lb/d	wCBOD mg/L	wDO lb/d	wDO mg/L
	1			150	17.97484		

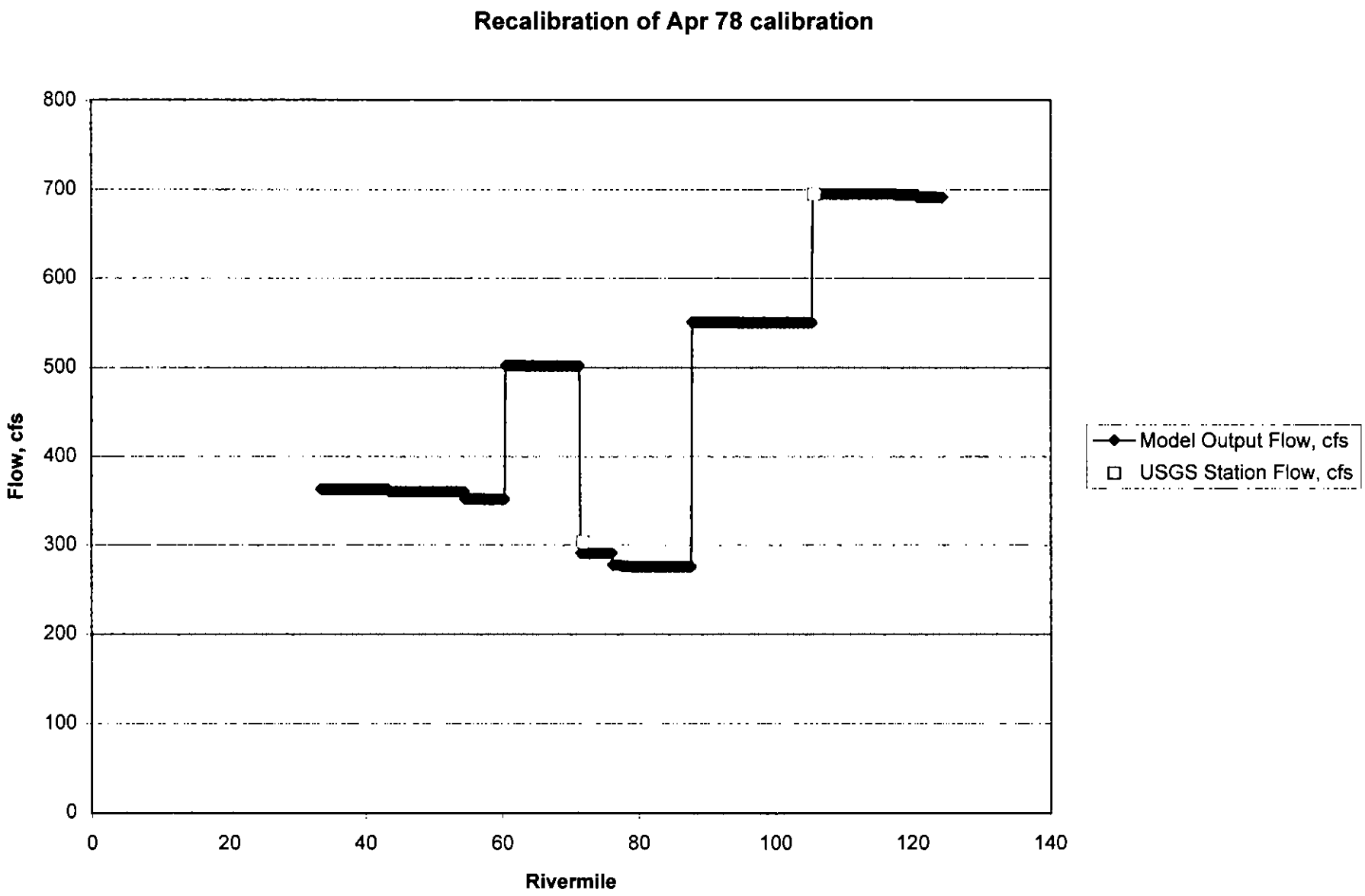
Appendix D - Calibration Model Input, Output, and Plots


Recalibration of APR 78 calibration
DO, mg/L
Rivermile
0
1
2
3
4
5
6
0
20
40
60
80
100
120
140
DO model output, mg/L
Measured DO, mg/L


Recalibration of APR 78 calibration
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
Rivermile
UCBOD model output, mg/L
BOD20 (NS), mg/L
BOD5, mg/L
UCBOD (BOD5*2.3), mg/L

Recalibration of APR 78 calibration




Recalibration of Apr 78 calibration
Flow, cfs
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
140
Rivermile
Model Output Flow, cfs
USGS Station Flow, cfs

Measured data from survey

RMILE	DO, mg/L	TKN, mg/L	UNBOD, mg/L (TKN*4.3)	BOD5, mg/L	UCBOD, mg/L (BOD5*2.3)	BOD20 (NS), mg/L
33.1	2.89					
35	3.6					
37	3.45	1.9	8.17	3	6.9	8
38.9	3.78					
40.9	3.47	1.75	7.525	1	2.3	7
41.6	3.69					
42.2	3.79	1.55	6.665	1	2.3	7
43.7	3.73					
46.4	4.12	1.85	7.955	1	2.3	6
49.1	4.1					
51	4.1	1.75	7.525	1	2.3	7
52.3	3.2					
53.3	4.3	1.7	7.31	2	4.6	7
54.1	3.8	2.25	9.675	2	4.6	9
55.4	3.72					
57	4.9					
59.1	4.48					
61.7	4.55	1.55	6.665	2	4.6	6
63.2	4.54					
66.8	4.62					
69	4.82	2.45	10.535	4	9.2	10
71.8	4.1	1.25	5.375	1	2.3	6
74.2	3.99	1.8	7.74	1	2.3	6
75.7	3.96					
77.2	3.9	1.3	5.59	1	2.3	7
77.9	3.77					
82.1	3.89					
87.1	4.3	1.35	5.805	1	2.3	6
90.5	3.9	1.8	7.74	1	2.3	5
94.6	4.01					
95.5	3.9					
103.6	3.1	1.85	7.955	2	4.6	6
106.3	3.6	1.2	5.16	1	2.3	5
110	3.7					
113.9	3.85	1.85	7.955	1	2.3	5
122.8	3.9					

RMILE	Flow from USGS Station, cfs	
105.63	695	USGS Station 07385500
71.81	304	USGS Station 07385700

Bayou Teche--recalibration of APR 78 calibration

33.5	124.5	0.000	500

DATA

WIDTH	92	1.0000
1	124.5	126.3
2	123.5	124.9
3	122.5	123.5
4	121.5	122.1
5	120.5	120.7
6	119.5	119.3
7	118.5	117.8
8	117.5	116.4
9	116.5	115.0
10	115.5	113.6
11	114.5	112.2
12	113.5	110.8
13	112.5	109.4
14	111.5	108.0
15	110.5	106.6
16	109.5	105.2
17	108.5	103.8
18	107.5	102.4
19	106.5	101.0
20	105.5	101.1
21	104.5	101.6
22	103.5	102.2
23	102.5	103.0
24	101.5	103.9
25	100.5	104.8
26	99.5	105.6
27	98.5	106.5
28	97.5	107.3
29	96.5	108.2
30	95.5	109.0
31	94.5	109.9
32	93.5	110.7
33	92.5	111.6
34	91.5	112.4
35	90.5	113.3
36	89.5	114.2
37	88.5	115.1
38	87.5	115.9
39	86.5	116.8
40	85.5	117.5
41	84.5	118.3
42	83.5	119.1
43	82.5	119.9
44	81.5	120.7
45	80.5	121.4
46	79.5	122.2
47	78.5	123.0
48	77.5	123.8
49	76.5	124.8
50	75.5	125.9
51	74.5	127.0
52	73.5	127.9
53	72.5	128.8

54	71.5	129.4
55	70.5	126.2
56	69.5	126.2
57	68.5	125.2
58	67.5	123.3
59	66.5	121.4
60	65.5	119.5
61	64.5	117.6
62	63.5	115.7
63	62.5	113.7
64	61.5	111.9
65	60.5	110.3
66	59.5	108.7
67	58.5	107.1
68	57.5	105.5
69	56.5	103.9
70	55.5	102.2
71	54.5	100.6
72	53.5	100.6
73	52.5	101.5
74	51.5	102.5
75	50.5	103.4
76	49.5	104.4
77	48.5	105.3
78	47.5	106.3
79	46.5	107.2
80	45.5	108.2
81	44.5	109.1
82	43.5	110.0
83	42.5	111.0
84	41.5	111.9
85	40.5	112.9
86	39.5	113.8
87	38.5	114.8
88	37.5	115.7
89	36.5	116.7
90	35.5	117.6
91	34.5	118.6
92	33.5	119.5

DEPTH 92 1.000

1	124.5	18.0
2	123.5	17.5
3	122.5	17.0
4	121.5	16.6
5	120.5	16.1
6	119.5	15.6
7	118.5	15.1
8	117.5	14.7
9	116.5	14.2
10	115.5	13.7
11	114.5	13.3
12	113.5	13.0
13	112.5	13.0
14	111.5	13.0
15	110.5	13.0
16	109.5	13.0
17	108.5	13.0

18	107.5	13.0
19	106.5	13.0
20	105.5	12.6
21	104.5	12.0
22	103.5	11.5
23	102.5	11.5
24	101.5	11.5
25	100.5	11.5
26	99.5	11.5
27	98.5	11.5
28	97.5	11.5
29	96.5	11.5
30	95.5	11.5
31	94.5	11.5
32	93.5	11.5
33	92.5	11.5
34	91.5	11.5
35	90.5	11.5
36	89.5	11.0
37	88.5	10.5
38	87.5	10.0
39	86.5	9.9
40	85.5	10.1
41	84.5	10.2
42	83.5	10.4
43	82.5	10.6
44	81.5	10.8
45	80.5	10.9
46	79.5	11.1
47	78.5	11.3
48	77.5	11.4
49	76.5	11.1
50	75.5	10.5
51	74.5	10.0
52	73.5	9.3
53	72.5	8.7
54	71.5	8.2
55	70.5	8.2
56	69.5	8.2
57	68.5	8.4
58	67.5	8.9
59	66.5	9.3
60	65.5	9.8
61	64.5	10.2
62	63.5	10.7
63	62.5	11.1
64	61.5	11.6
65	60.5	12.3
66	59.5	12.9
67	58.5	13.6
68	57.5	14.2
69	56.5	14.9
70	55.5	15.5
71	54.5	16.1
72	53.5	9.7
73	52.5	8.2
74	51.5	9.3

```
   75            50.5       10.0
   76            49.5       10.5
   77            48.5       11.9
   78            47.5       11.7
   79            46.5       11.8
   80            45.5       11.8
   81            44.5       11.8
   82            43.5       11.8
   83            42.5       11.8
   84            41.5       11.8
   85            40.5       11.9
   86            39.5       12.3
   87            38.5       12.6
   88            37.5       12.9
   89            36.5       16.5
   90            35.5       23.2
   91            34.5       29.9
   92            33.5       36.6
TEMP           4     1.0000
    1           124.5     23.00
    2            71.5      23.0
    3            70.5      24.0
    4            33.5      24.0
PHOTO          1     1.000
    1           0.000     0.00
RESP           1     1.000
    1           0.000     0.00
!SATDO @ 23 & 24 deg C:
SATDO          4     1.000
    1           124.5     8.6
    2            71.5     8.6
    3            70.5     8.4
    4            33.5     8.4
EVAP           1     1.000
    1           0.000     0.00
SEDI           2     1.000
    1           124.5     0.00
    2            55.0      1.0
!0.1 sq mi/day=32.3 sq ft/s.  0.2 sq mi/day=64.5 sq ft/s:
DISP           6     1.000
    1           124.5     32.3
    2            71.5     32.3
    3            70.5     64.5
    4            45.5     64.5
    5            44.5     32.3
    6            33.5     32.3
COXY           1     1.000
    1           0.00      0.120
CSED           1     1.000
    1           0.000     0.000
NOXY           1     1.000
    1           0.00      0.030
NSED           1     1.000
    1           0.000     0.000
NONPFLOW       1     1.000
    1           0.000     0.000
NONPNBOD       1     1.000
```

```
    1           0.000      0.00
NONPCBOD       1      1.000
    1           0.000      0.00
NONPDO         1      1.000
    1           0.000      0.00
C-REAER        4      1.000
MINI-KL         2.3
STOP
FLOW
SENS            1.000
!Bayou Teche headwaters (=695-0.4-2.3-1.4-0.01):
                124.5    690.89
!Port Barre:
                123.5       0.4
!Bayou Little Teche:
               120.73       2.3
!Bayou Del Puent:
               117.69       1.4
!Leonville High School:
                114.5      0.01
!Bayou Fusilier outflow:
               105.57                145.0
!Teche Elem. & Cecilia Elem., High, Jr. High, Primary:
                 98.5       0.1
!Bayou Portage Guidry & a facility:
                 94.5       0.5
!Ruth Canal outflow:
                87.88                275.0
!Bayou Martin & a facility:
                 78.5       0.5
!St. Martin Police Jury:
                 77.5       1.5
!Cypress Island Coulee Canal & St. Martinville:
                76.21      13.0
!Bayou Tortue:
                71.36    210.89
!Loreauville & Loreauville Elem.:
                 63.5       0.2
!Loreauville Canal outflow:
                 60.5                150.0
!Cajun Sugar:
                 57.5       0.2
!Iberia Sugar:
                 54.5       8.2
!Jeanerette High & Jeanerette Sugar:
                 43.5       2.9
!Chittamoucha Res.:
                 33.5       0.1
STOP
NBOD
SENS            1.000      1.000
!Bayou Teche headwaters (=695-0.4-2.3-1.4-0.01):
                124.5    690.89       7.74
!Port Barre:
                123.5       0.4      39.86
!Bayou Little Teche:
               120.73       2.3       8.60
```

```
!Bayou Del Puent:
              117.69       1.4       6.43
!Leonville High School:
               114.5      0.01      87.70
!Teche Elem. & Cecilia Elem., High, Jr. High, Primary:
                98.5       0.1      42.25
!Bayou Portage Guidry & a facility:
                94.5       0.5      17.22
!Bayou Martin & a facility:
                78.5       0.5      17.22
!St. Martin Police Jury:
                77.5       1.5      63.19
!Cypress Island Coulee Canal & St. Martinville:
               76.21      13.0      18.52
!Bayou Tortue:
               71.36    210.89       8.82
!Loreauville & Loreauville Elem.:
                63.5       0.2      61.39
!Cajun Sugar:
                57.5       0.2      33.09
!Iberia Sugar:
                54.5       8.2      32.34
!Jeanerette High & Jeanerette Sugar:
                43.5       2.9      10.28
!Chittamoucha Res.:
                33.5       0.1      51.82
STOP
CBOD
SENS           1.000     1.000
!Bayou Teche headwaters (=695-0.4-2.3-1.4-0.01):
               124.5    690.89       6.90
!Port Barre:
               123.5       0.4      54.26
!Bayou Little Teche:
              120.73       2.3      11.50
!Bayou Del Puent:
              117.69       1.4       6.91
!Leonville High School:
               114.5      0.01     144.99
!Teche Elem. & Cecilia Elem., High, Jr. High, Primary:
                98.5       0.1      67.38
!Bayou Portage Guidry & a facility:
                94.5       0.5     230.02
!Bayou Martin & a facility:
                78.5       0.5     230.02
!St. Martin Police Jury:
                77.5       1.5     101.43
!Cypress Island Coulee Canal & St. Martinville:
               76.21      13.0      26.49
!Bayou Tortue:
               71.36    210.89       6.68
!Loreauville & Loreauville Elem.:
                63.5       0.2      98.29
!Cajun Sugar:
                57.5       0.2      17.70
!Iberia Sugar:
                54.5       8.2      22.64
```

```
!Jeanerette High & Jeanerette Sugar:
                43.5       2.9     23.25
!Chittamoucha Res.:
                33.5       0.1     82.73
STOP
DO
SENS           1.000     1.000
!Bayou Teche headwaters (=695-0.4-2.3-1.4-0.01):
               124.5    690.89      4.00
!Port Barre:
               123.5       0.4      1.85
!Bayou Little Teche:
              120.73       2.3      3.00
!Bayou Del Puent:
              117.69       1.4      4.00
!Leonville High School:
               114.5      0.01      3.71
!Teche Elem. & Cecilia Elem., High, Jr. High, Primary:
                98.5       0.1      1.30
!Bayou Portage Guidry & a facility:
                94.5       0.5      2.00
!Bayou Martin & a facility:
                78.5       0.5      2.00
!St. Martin Police Jury:
                77.5       1.5      1.97
!Cypress Island Coulee Canal & St. Martinville:
               76.21      13.0      3.00
!Bayou Tortue:
               71.36    210.89      5.00
!Loreauville & Loreauville Elem.:
                63.5       0.2      1.85
!Cajun Sugar:
                57.5       0.2      1.58
!Iberia Sugar:
                54.5       8.2      2.00
!Jeanerette High & Jeanerette Sugar:
                43.5       2.9      2.01
!Chittamoucha Res.:
                33.5       0.1      1.67
STOP
HALT
```

```
1CLIWS 1.05*****************************************************************************************************************
 ****************************************************************************************************************************
    LLL                 III     MMM         MMM     NNN      NNN       OOOOOOOOOOO         SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLL                 III     MMMM       MMMM     NNNN     NNN      OOOOOOOOOOOOO       SSSSSSSSSSSSSS      SSSSSSSSSSSSSS
    LLL                 III     MMMMMM    MMMMMM    NNNNN    NNN      OOOOOOOOOOOOOOO     SS                  SS
    LLL                 III     MMMMMM   MMMMMM     NNNNNN   NNN      OOO         OOO     SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLL                 III     MMM MMM MMM MMM     NNN NNN  NNN      OOO         OOO      SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLL                 III     MMM  MMMMM  MMM     NNN  NNN NNN      OOO         OOO                SSSS                SSSS
    LLL                 III     MMM   MMM   MMM     NNN   NNNNNN     OOO         OOO                SSSS                SSSS
    LLLLLLLLLLLLLL      III     MMM    M    MMM     NNN    NNNNN     OOOOOOOOOOOOOOO     SSSSSSSSSSSSSS      SSSSSSSSSSSSSS
    LLLLLLLLLLLLLL      III     MMM         MMM     NNN     NNNN      OOOOOOOOOOOOO      SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLLLLLLLLLLLLL      III     MMM         MMM     NNN      NNN       OOOOOOOOOOO       SSSSSSSSSSSSS       SSSSSSSSSSSSS
****************************************************************************************************************************
****************************************************************************************************************************
 RUN DATE  10/21/99
 RUN TIME 12:56:11
0********************     STEADY STATE WATER QUALITY MODEL
 ********************
 ********************     RUN TITLE.....Bayou Teche--recalibration of APR 78 calibration
 ********************
 ********************
 ********************     BASIC NETWORK DATA
 ********************     RIVER MILE AT DOWNSTREAM END...     33.50
 ********************     RIVER MILE AT UPSTREAM END.....    124.50
 ********************     RIVER MILE OF FALL LINE........       .00
 ********************     NUMBER OF SECTIONS.............       500
1****************************************************************************************************************************
 ****************************************************************************************************************************
 ***********************************                                          ***********************************
 ***********************************     E S T U A R Y / S T R E A M  I N P U T  D A T A     ***********************************
 ***********************************                                          ***********************************
 ****************************************************************************************************************************
 ****************************************************************************************************************************
0********************     JUNCT*N WIDTHS (FT)     ********************
```

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	119.500	127	56.34	103.630	252	79.09	122.527	377	101.84	103.593
2	33.59	119.418	128	56.52	103.937	253	79.27	122.382	378	102.02	103.430
3	33.77	119.254	129	56.70	104.228	254	79.45	122.236	379	102.20	103.266
4	33.95	119.090	130	56.89	104.519	255	79.64	122.091	380	102.39	103.102
5	34.14	118.927	131	57.07	104.810	256	79.82	121.945	381	102.57	102.945
6	34.32	118.763	132	57.25	105.101	257	80.00	121.799	382	102.75	102.799
7	34.50	118.599	133	57.43	105.393	258	80.18	121.654	383	102.93	102.654
8	34.68	118.417	134	57.61	105.684	259	80.36	121.508	384	103.11	102.508
9	34.86	118.235	135	57.80	105.975	260	80.55	121.367	385	103.30	102.363
10	35.05	118.053	136	57.98	106.266	261	80.73	121.240	386	103.48	102.217
11	35.23	117.871	137	58.16	106.557	262	80.91	121.112	387	103.66	102.104
12	35.41	117.689	138	58.34	106.849	263	81.09	120.985	388	103.84	101.994
13	35.59	117.516	139	58.52	107.140	264	81.27	120.858	389	104.02	101.885
14	35.77	117.353	140	58.71	107.431	265	81.46	120.730	390	104.21	101.776
15	35.96	117.189	141	58.89	107.722	266	81.64	120.589	391	104.39	101.667
16	36.14	117.025	142	59.07	108.013	267	81.82	120.443	392	104.57	101.565

17	36.32	116.861	143	59.25	108.305	268	82.00	120.298	393	104.75	101.474
18	36.50	116.697	144	59.43	108.596	269	82.18	120.152	394	104.93	101.383
19	36.68	116.515	145	59.62	108.887	270	82.37	120.007	395	105.12	101.292
20	36.87	116.333	146	59.80	109.178	271	82.55	119.861	396	105.30	101.201
21	37.05	116.151	147	59.98	109.469	272	82.73	119.715	397	105.48	101.110
22	37.23	115.969	148	60.16	109.761	273	82.91	119.570	398	105.66	101.084
23	37.41	115.787	149	60.34	110.052	274	83.09	119.424	399	105.84	101.066
24	37.59	115.615	150	60.53	110.343	275	83.28	119.279	400	106.03	101.047
25	37.78	115.451	151	60.71	110.634	276	83.46	119.133	401	106.21	101.029
26	37.96	115.287	152	60.89	110.925	277	83.64	118.987	402	106.39	101.011
27	38.14	115.123	153	61.07	111.217	278	83.82	118.842	403	106.57	101.102
28	38.32	114.959	154	61.25	111.508	279	84.00	118.696	404	106.75	101.357
29	38.50	114.795	155	61.44	111.799	280	84.19	118.551	405	106.94	101.611
30	38.69	114.613	156	61.62	112.114	281	84.37	118.405	406	107.12	101.866
31	38.87	114.431	157	61.80	112.442	282	84.55	118.259	407	107.30	102.121
32	39.05	114.249	158	61.98	112.769	283	84.73	118.114	408	107.48	102.376
33	39.23	114.067	159	62.16	113.097	284	84.91	117.968	409	107.66	102.631
34	39.41	113.885	160	62.35	113.424	285	85.10	117.823	410	107.85	102.885
35	39.60	113.713	161	62.53	113.758	286	85.28	117.677	411	108.03	103.140
36	39.78	113.549	162	62.71	114.122	287	85.46	117.531	412	108.21	103.395
37	39.96	113.385	163	62.89	114.486	288	85.64	117.400	413	108.39	103.650
38	40.14	113.221	164	63.07	114.850	289	85.82	117.273	414	108.57	103.905
39	40.32	113.058	165	63.26	115.214	290	86.01	117.145	415	108.76	104.159
40	40.51	112.893	166	63.44	115.578	291	86.19	117.018	416	108.94	104.414
41	40.69	112.711	167	63.62	115.930	292	86.37	116.890	417	109.12	104.669
42	40.87	112.529	168	63.80	116.275	293	86.55	116.753	418	109.30	104.924
43	41.05	112.347	169	63.98	116.621	294	86.73	116.589	419	109.48	105.179
44	41.23	112.165	170	64.17	116.967	295	86.92	116.425	420	109.67	105.433
45	41.42	111.983	171	64.35	117.313	296	87.10	116.261	421	109.85	105.688
46	41.60	111.811	172	64.53	117.659	297	87.28	116.097	422	110.03	105.943
47	41.78	111.647	173	64.71	118.004	298	87.46	115.934	423	110.21	106.198
48	41.96	111.483	174	64.89	118.350	299	87.64	115.784	424	110.39	106.453
49	42.14	111.320	175	65.08	118.696	300	87.83	115.639	425	110.58	106.707
50	42.33	111.156	176	65.26	119.042	301	88.01	115.493	426	110.76	106.962
51	42.51	110.991	177	65.44	119.388	302	88.19	115.347	427	110.94	107.217
52	42.69	110.809	178	65.62	119.733	303	88.37	115.202	428	111.12	107.472
53	42.87	110.627	179	65.80	120.079	304	88.55	115.051	429	111.30	107.727
54	43.05	110.445	180	65.99	120.425	305	88.74	114.887	430	111.49	107.981
55	43.24	110.263	181	66.17	120.771	306	88.92	114.723	431	111.67	108.236
56	43.42	110.081	182	66.35	121.117	307	89.10	114.559	432	111.85	108.491
57	43.60	109.909	183	66.53	121.462	308	89.28	114.396	433	112.03	108.746
58	43.78	109.745	184	66.71	121.808	309	89.46	114.232	434	112.21	109.001
59	43.96	109.582	185	66.90	122.154	310	89.65	114.068	435	112.40	109.255
60	44.15	109.418	186	67.08	122.500	311	89.83	113.904	436	112.58	109.510
61	44.33	109.254	187	67.26	122.846	312	90.01	113.740	437	112.76	109.765
62	44.51	109.090	188	67.44	123.191	313	90.19	113.577	438	112.94	110.020
63	44.69	108.926	189	67.62	123.537	314	90.37	113.413	439	113.12	110.275
64	44.87	108.763	190	67.81	123.883	315	90.56	113.249	440	113.31	110.529
65	45.06	108.599	191	67.99	124.229	316	90.74	113.085	441	113.49	110.784
66	45.24	108.435	192	68.17	124.575	317	90.92	112.921	442	113.67	111.039
67	45.42	108.271	193	68.35	124.920	318	91.10	112.758	443	113.85	111.294
68	45.60	108.097	194	68.53	125.235	319	91.28	112.594	444	114.03	111.549

69	45.78	107.915	195	68.72	125.417	320	91.47	112.430	445	114.22	111.803
70	45.97	107.733	196	68.90	125.599	321	91.65	112.281	446	114.40	112.058
71	46.15	107.551	197	69.08	125.781	322	91.83	112.135	447	114.58	112.313
72	46.33	107.369	198	69.26	125.963	323	92.01	111.990	448	114.76	112.568
73	46.51	107.188	199	69.44	126.145	324	92.19	111.844	449	114.94	112.823
74	46.69	107.025	200	69.63	126.200	325	92.38	111.699	450	115.13	113.077
75	46.88	106.861	201	69.81	126.200	326	92.56	111.547	451	115.31	113.332
76	47.06	106.697	202	69.99	126.200	327	92.74	111.383	452	115.49	113.587
77	47.24	106.533	203	70.17	126.200	328	92.92	111.220	453	115.67	113.842
78	47.42	106.369	204	70.35	126.200	329	93.10	111.056	454	115.85	114.097
79	47.60	106.195	205	70.54	126.318	330	93.29	110.892	455	116.04	114.351
80	47.79	106.013	206	70.72	126.900	331	93.47	110.728	456	116.22	114.606
81	47.97	105.831	207	70.90	127.483	332	93.65	110.579	457	116.40	114.861
82	48.15	105.649	208	71.08	128.065	333	93.83	110.434	458	116.58	115.116
83	48.33	105.467	209	71.26	128.647	334	94.01	110.288	459	116.76	115.370
84	48.51	105.287	210	71.45	129.230	335	94.20	110.143	460	116.95	115.625
85	48.70	105.123	211	71.63	129.323	336	94.38	109.997	461	117.13	115.880
86	48.88	104.959	212	71.81	129.214	337	94.56	109.845	462	117.31	116.135
87	49.06	104.795	213	71.99	129.104	338	94.74	109.682	463	117.49	116.390
88	49.24	104.631	214	72.17	128.995	339	94.92	109.518	464	117.67	116.644
89	49.42	104.468	215	72.36	128.886	340	95.11	109.354	465	117.86	116.899
90	49.61	104.293	216	72.54	128.765	341	95.29	109.190	466	118.04	117.154
91	49.79	104.111	217	72.72	128.601	342	95.47	109.026	467	118.22	117.409
92	49.97	103.929	218	72.90	128.437	343	95.65	108.878	468	118.40	117.664
93	50.15	103.747	219	73.08	128.274	344	95.83	108.732	469	118.58	117.927
94	50.33	103.565	220	73.27	128.110	345	96.02	108.587	470	118.77	118.200
95	50.52	103.385	221	73.45	127.946	346	96.20	108.441	471	118.95	118.473
96	50.70	103.221	222	73.63	127.782	347	96.38	108.295	472	119.13	118.746
97	50.88	103.057	223	73.81	127.618	348	96.56	108.144	473	119.31	119.019
98	51.06	102.893	224	73.99	127.455	349	96.74	107.980	474	119.49	119.292
99	51.24	102.730	225	74.18	127.291	350	96.93	107.816	475	119.68	119.547
100	51.43	102.566	226	74.36	127.127	351	97.11	107.652	476	119.86	119.802
101	51.61	102.391	227	74.54	126.955	352	97.29	107.488	477	120.04	120.057
102	51.79	102.209	228	74.72	126.755	353	97.47	107.325	478	120.22	120.312
103	51.97	102.027	229	74.90	126.555	354	97.65	107.176	479	120.40	120.566
104	52.15	101.845	230	75.09	126.354	355	97.84	107.031	480	120.59	120.821
105	52.34	101.663	231	75.27	126.154	356	98.02	106.885	481	120.77	121.076
106	52.52	101.483	232	75.45	125.954	357	98.20	106.739	482	120.95	121.331
107	52.70	101.319	233	75.63	125.754	358	98.38	106.594	483	121.13	121.586
108	52.88	101.155	234	75.81	125.554	359	98.56	106.442	484	121.31	121.840
109	53.06	100.992	235	76.00	125.354	360	98.75	106.278	485	121.50	122.095
110	53.25	100.828	236	76.18	125.153	361	98.93	106.114	486	121.68	122.350
111	53.43	100.664	237	76.36	124.953	362	99.11	105.950	487	121.86	122.605
112	53.61	100.600	238	76.54	124.757	363	99.29	105.787	488	122.04	122.860
113	53.79	100.600	239	76.72	124.575	364	99.47	105.623	489	122.22	123.114
114	53.97	100.600	240	76.91	124.393	365	99.66	105.475	490	122.41	123.369
115	54.16	100.600	241	77.09	124.211	366	99.84	105.329	491	122.59	123.624
116	54.34	100.600	242	77.27	124.029	367	100.02	105.183	492	122.77	123.879
117	54.52	100.633	243	77.45	123.847	368	100.20	105.038	493	122.95	124.134
118	54.70	100.925	244	77.63	123.692	369	100.38	104.892	494	123.13	124.388
119	54.88	101.216	245	77.82	123.547	370	100.57	104.740	495	123.32	124.643
120	55.07	101.507	246	78.00	123.401	371	100.75	104.576	496	123.50	124.898

121	55.25	101.798	247	78.18	123.255	372	100.93	104.412	497	123.68	125.153
122	55.43	102.089	248	78.36	123.110	373	101.11	104.249	498	123.86	125.408
123	55.61	102.392	249	78.54	122.964	374	101.29	104.085	499	124.04	125.662
124	55.79	102.701	250	78.73	122.819	375	101.48	103.921	500	124.23	125.917
125	55.98	103.011	251	78.91	122.673	376	101.66	103.757	501	124.41	126.172
126	56.16	103.320									

0********** JUNCTION SURFACE AREAS (SQFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.148E+05	127	56.34	9.958E+04	252	79.09	1.177E+05	377	101.84	9.955E+04
2	33.59	1.148E+05	128	56.52	9.988E+04	253	79.27	1.176E+05	378	102.02	9.939E+04
3	33.77	1.146E+05	129	56.70	1.002E+05	254	79.45	1.175E+05	379	102.20	9.923E+04
4	33.95	1.144E+05	130	56.89	1.004E+05	255	79.64	1.173E+05	380	102.39	9.908E+04
5	34.14	1.143E+05	131	57.07	1.007E+05	256	79.82	1.172E+05	381	102.57	9.893E+04
6	34.32	1.141E+05	132	57.25	1.010E+05	257	80.00	1.170E+05	382	102.75	9.879E+04
7	34.50	1.140E+05	133	57.43	1.013E+05	258	80.18	1.169E+05	383	102.93	9.865E+04
8	34.68	1.138E+05	134	57.61	1.016E+05	259	80.36	1.168E+05	384	103.11	9.851E+04
9	34.86	1.136E+05	135	57.80	1.018E+05	260	80.55	1.166E+05	385	103.30	9.837E+04
10	35.05	1.134E+05	136	57.98	1.021E+05	261	80.73	1.165E+05	386	103.48	9.823E+04
11	35.23	1.133E+05	137	58.16	1.024E+05	262	80.91	1.164E+05	387	103.66	9.812E+04
12	35.41	1.131E+05	138	58.34	1.027E+05	263	81.09	1.163E+05	388	103.84	9.801E+04
13	35.59	1.129E+05	139	58.52	1.030E+05	264	81.27	1.161E+05	389	104.02	9.791E+04
14	35.77	1.128E+05	140	58.71	1.032E+05	265	81.46	1.160E+05	390	104.21	9.780E+04
15	35.96	1.126E+05	141	58.89	1.035E+05	266	81.64	1.159E+05	391	104.39	9.770E+04
16	36.14	1.125E+05	142	59.07	1.038E+05	267	81.82	1.157E+05	392	104.57	9.760E+04
17	36.32	1.123E+05	143	59.25	1.041E+05	268	82.00	1.156E+05	393	104.75	9.751E+04
18	36.50	1.121E+05	144	59.43	1.044E+05	269	82.18	1.155E+05	394	104.93	9.742E+04
19	36.68	1.120E+05	145	59.62	1.046E+05	270	82.37	1.153E+05	395	105.12	9.734E+04
20	36.87	1.118E+05	146	59.80	1.049E+05	271	82.55	1.152E+05	396	105.30	9.725E+04
21	37.05	1.116E+05	147	59.98	1.052E+05	272	82.73	1.150E+05	397	105.48	9.716E+04
22	37.23	1.114E+05	148	60.16	1.055E+05	273	82.91	1.149E+05	398	105.66	9.714E+04
23	37.41	1.113E+05	149	60.34	1.058E+05	274	83.09	1.148E+05	399	105.84	9.712E+04
24	37.59	1.111E+05	150	60.53	1.060E+05	275	83.28	1.146E+05	400	106.03	9.710E+04
25	37.78	1.109E+05	151	60.71	1.063E+05	276	83.46	1.145E+05	401	106.21	9.708E+04
26	37.96	1.108E+05	152	60.89	1.066E+05	277	83.64	1.143E+05	402	106.39	9.707E+04
27	38.14	1.106E+05	153	61.07	1.069E+05	278	83.82	1.142E+05	403	106.57	9.715E+04
28	38.32	1.105E+05	154	61.25	1.072E+05	279	84.00	1.141E+05	404	106.75	9.740E+04
29	38.50	1.103E+05	155	61.44	1.074E+05	280	84.19	1.139E+05	405	106.94	9.764E+04
30	38.69	1.101E+05	156	61.62	1.077E+05	281	84.37	1.138E+05	406	107.12	9.789E+04
31	38.87	1.100E+05	157	61.80	1.081E+05	282	84.55	1.136E+05	407	107.30	9.813E+04
32	39.05	1.098E+05	158	61.98	1.084E+05	283	84.73	1.135E+05	408	107.48	9.838E+04
33	39.23	1.096E+05	159	62.16	1.087E+05	284	84.91	1.134E+05	409	107.66	9.862E+04
34	39.41	1.094E+05	160	62.35	1.090E+05	285	85.10	1.132E+05	410	107.85	9.887E+04
35	39.60	1.093E+05	161	62.53	1.093E+05	286	85.28	1.131E+05	411	108.03	9.911E+04
36	39.78	1.091E+05	162	62.71	1.097E+05	287	85.46	1.129E+05	412	108.21	9.936E+04
37	39.96	1.090E+05	163	62.89	1.100E+05	288	85.64	1.128E+05	413	108.39	9.960E+04
38	40.14	1.088E+05	164	63.07	1.104E+05	289	85.82	1.127E+05	414	108.57	9.985E+04
39	40.32	1.086E+05	165	63.26	1.107E+05	290	86.01	1.126E+05	415	108.76	1.001E+05
40	40.51	1.085E+05	166	63.44	1.111E+05	291	86.19	1.124E+05	416	108.94	1.003E+05
41	40.69	1.083E+05	167	63.62	1.114E+05	292	86.37	1.123E+05	417	109.12	1.006E+05
42	40.87	1.081E+05	168	63.80	1.117E+05	293	86.55	1.122E+05	418	109.30	1.008E+05
43	41.05	1.080E+05	169	63.98	1.121E+05	294	86.73	1.120E+05	419	109.48	1.011E+05

44	41.23	1.078E+05	170	64.17	1.124E+05	295	86.92	1.119E+05	420	109.67	1.013E+05
45	41.42	1.076E+05	171	64.35	1.127E+05	296	87.10	1.117E+05	421	109.85	1.016E+05
46	41.60	1.074E+05	172	64.53	1.131E+05	297	87.28	1.116E+05	422	110.03	1.018E+05
47	41.78	1.073E+05	173	64.71	1.134E+05	298	87.46	1.114E+05	423	110.21	1.021E+05
48	41.96	1.071E+05	174	64.89	1.137E+05	299	87.64	1.113E+05	424	110.39	1.023E+05
49	42.14	1.070E+05	175	65.08	1.141E+05	300	87.83	1.111E+05	425	110.58	1.025E+05
50	42.33	1.068E+05	176	65.26	1.144E+05	301	88.01	1.110E+05	426	110.76	1.028E+05
51	42.51	1.067E+05	177	65.44	1.147E+05	302	88.19	1.108E+05	427	110.94	1.030E+05
52	42.69	1.065E+05	178	65.62	1.151E+05	303	88.37	1.107E+05	428	111.12	1.033E+05
53	42.87	1.063E+05	179	65.80	1.154E+05	304	88.55	1.106E+05	429	111.30	1.035E+05
54	43.05	1.061E+05	180	65.99	1.157E+05	305	88.74	1.104E+05	430	111.49	1.038E+05
55	43.24	1.060E+05	181	66.17	1.161E+05	306	88.92	1.102E+05	431	111.67	1.040E+05
56	43.42	1.058E+05	182	66.35	1.164E+05	307	89.10	1.101E+05	432	111.85	1.043E+05
57	43.60	1.056E+05	183	66.53	1.167E+05	308	89.28	1.099E+05	433	112.03	1.045E+05
58	43.78	1.055E+05	184	66.71	1.171E+05	309	89.46	1.098E+05	434	112.21	1.047E+05
59	43.96	1.053E+05	185	66.90	1.174E+05	310	89.65	1.096E+05	435	112.40	1.050E+05
60	44.15	1.051E+05	186	67.08	1.177E+05	311	89.83	1.095E+05	436	112.58	1.052E+05
61	44.33	1.050E+05	187	67.26	1.180E+05	312	90.01	1.093E+05	437	112.76	1.055E+05
62	44.51	1.048E+05	188	67.44	1.184E+05	313	90.19	1.091E+05	438	112.94	1.057E+05
63	44.69	1.047E+05	189	67.62	1.187E+05	314	90.37	1.090E+05	439	113.12	1.060E+05
64	44.87	1.045E+05	190	67.81	1.190E+05	315	90.56	1.088E+05	440	113.31	1.062E+05
65	45.06	1.044E+05	191	67.99	1.194E+05	316	90.74	1.087E+05	441	113.49	1.065E+05
66	45.24	1.042E+05	192	68.17	1.197E+05	317	90.92	1.085E+05	442	113.67	1.067E+05
67	45.42	1.040E+05	193	68.35	1.200E+05	318	91.10	1.084E+05	443	113.85	1.069E+05
68	45.60	1.039E+05	194	68.53	1.203E+05	319	91.28	1.082E+05	444	114.03	1.072E+05
69	45.78	1.037E+05	195	68.72	1.205E+05	320	91.47	1.080E+05	445	114.22	1.074E+05
70	45.97	1.035E+05	196	68.90	1.207E+05	321	91.65	1.079E+05	446	114.40	1.077E+05
71	46.15	1.034E+05	197	69.08	1.209E+05	322	91.83	1.078E+05	447	114.58	1.079E+05
72	46.33	1.032E+05	198	69.26	1.210E+05	323	92.01	1.076E+05	448	114.76	1.082E+05
73	46.51	1.030E+05	199	69.44	1.212E+05	324	92.19	1.075E+05	449	114.94	1.084E+05
74	46.69	1.028E+05	200	69.63	1.213E+05	325	92.38	1.073E+05	450	115.13	1.087E+05
75	46.88	1.027E+05	201	69.81	1.213E+05	326	92.56	1.072E+05	451	115.31	1.089E+05
76	47.06	1.025E+05	202	69.99	1.213E+05	327	92.74	1.070E+05	452	115.49	1.092E+05
77	47.24	1.024E+05	203	70.17	1.213E+05	328	92.92	1.069E+05	453	115.67	1.094E+05
78	47.42	1.022E+05	204	70.35	1.213E+05	329	93.10	1.067E+05	454	115.85	1.096E+05
79	47.60	1.020E+05	205	70.54	1.214E+05	330	93.29	1.066E+05	455	116.04	1.099E+05
80	47.79	1.019E+05	206	70.72	1.219E+05	331	93.47	1.064E+05	456	116.22	1.101E+05
81	47.97	1.017E+05	207	70.90	1.225E+05	332	93.65	1.063E+05	457	116.40	1.104E+05
82	48.15	1.015E+05	208	71.08	1.231E+05	333	93.83	1.061E+05	458	116.58	1.106E+05
83	48.33	1.013E+05	209	71.26	1.236E+05	334	94.01	1.060E+05	459	116.76	1.109E+05
84	48.51	1.012E+05	210	71.45	1.242E+05	335	94.20	1.058E+05	460	116.95	1.111E+05
85	48.70	1.010E+05	211	71.63	1.243E+05	336	94.38	1.057E+05	461	117.13	1.114E+05
86	48.88	1.009E+05	212	71.81	1.242E+05	337	94.56	1.056E+05	462	117.31	1.116E+05
87	49.06	1.007E+05	213	71.99	1.241E+05	338	94.74	1.054E+05	463	117.49	1.118E+05
88	49.24	1.005E+05	214	72.17	1.240E+05	339	94.92	1.052E+05	464	117.67	1.121E+05
89	49.42	1.004E+05	215	72.36	1.239E+05	340	95.11	1.051E+05	465	117.86	1.123E+05
90	49.61	1.002E+05	216	72.54	1.237E+05	341	95.29	1.049E+05	466	118.04	1.126E+05
91	49.79	1.000E+05	217	72.72	1.236E+05	342	95.47	1.048E+05	467	118.22	1.128E+05
92	49.97	9.987E+04	218	72.90	1.234E+05	343	95.65	1.046E+05	468	118.40	1.131E+05
93	50.15	9.970E+04	219	73.08	1.233E+05	344	95.83	1.045E+05	469	118.58	1.133E+05
94	50.33	9.952E+04	220	73.27	1.231E+05	345	96.02	1.043E+05	470	118.77	1.136E+05
95	50.52	9.935E+04	221	73.45	1.230E+05	346	96.20	1.042E+05	471	118.95	1.138E+05

96	50.70	9.919E+04	222	73.63	1.228E+05	347	96.38	1.041E+05	472	119.13	1.141E+05
97	50.88	9.903E+04	223	73.81	1.226E+05	348	96.56	1.039E+05	473	119.31	1.144E+05
98	51.06	9.888E+04	224	73.99	1.225E+05	349	96.74	1.038E+05	474	119.49	1.146E+05
99	51.24	9.872E+04	225	74.18	1.223E+05	350	96.93	1.036E+05	475	119.68	1.149E+05
100	51.43	9.856E+04	226	74.36	1.222E+05	351	97.11	1.034E+05	476	119.86	1.151E+05
101	51.61	9.839E+04	227	74.54	1.220E+05	352	97.29	1.033E+05	477	120.04	1.154E+05
102	51.79	9.822E+04	228	74.72	1.218E+05	353	97.47	1.031E+05	478	120.22	1.156E+05
103	51.97	9.804E+04	229	74.90	1.216E+05	354	97.65	1.030E+05	479	120.40	1.159E+05
104	52.15	9.787E+04	230	75.09	1.214E+05	355	97.84	1.029E+05	480	120.59	1.161E+05
105	52.34	9.769E+04	231	75.27	1.212E+05	356	98.02	1.027E+05	481	120.77	1.163E+05
106	52.52	9.752E+04	232	75.45	1.210E+05	357	98.20	1.026E+05	482	120.95	1.166E+05
107	52.70	9.736E+04	233	75.63	1.208E+05	358	98.38	1.024E+05	483	121.13	1.168E+05
108	52.88	9.721E+04	234	75.81	1.207E+05	359	98.56	1.023E+05	484	121.31	1.171E+05
109	53.06	9.705E+04	235	76.00	1.205E+05	360	98.75	1.021E+05	485	121.50	1.173E+05
110	53.25	9.689E+04	236	76.18	1.203E+05	361	98.93	1.020E+05	486	121.68	1.176E+05
111	53.43	9.673E+04	237	76.36	1.201E+05	362	99.11	1.018E+05	487	121.86	1.178E+05
112	53.61	9.667E+04	238	76.54	1.199E+05	363	99.29	1.017E+05	488	122.04	1.181E+05
113	53.79	9.667E+04	239	76.72	1.197E+05	364	99.47	1.015E+05	489	122.22	1.183E+05
114	53.97	9.667E+04	240	76.91	1.195E+05	365	99.66	1.014E+05	490	122.41	1.186E+05
115	54.16	9.667E+04	241	77.09	1.194E+05	366	99.84	1.012E+05	491	122.59	1.188E+05
116	54.34	9.667E+04	242	77.27	1.192E+05	367	100.02	1.011E+05	492	122.77	1.190E+05
117	54.52	9.670E+04	243	77.45	1.190E+05	368	100.20	1.009E+05	493	122.95	1.193E+05
118	54.70	9.698E+04	244	77.63	1.189E+05	369	100.38	1.008E+05	494	123.13	1.195E+05
119	54.88	9.726E+04	245	77.82	1.187E+05	370	100.57	1.007E+05	495	123.32	1.198E+05
120	55.07	9.754E+04	246	78.00	1.186E+05	371	100.75	1.005E+05	496	123.50	1.200E+05
121	55.25	9.782E+04	247	78.18	1.184E+05	372	100.93	1.003E+05	497	123.68	1.203E+05
122	55.43	9.810E+04	248	78.36	1.183E+05	373	101.11	1.002E+05	498	123.86	1.205E+05
123	55.61	9.839E+04	249	78.54	1.182E+05	374	101.29	1.000E+05	499	124.04	1.208E+05
124	55.79	9.869E+04	250	78.73	1.180E+05	375	101.48	9.986E+04	500	124.23	1.210E+05
125	55.98	9.899E+04	251	78.91	1.179E+05	376	101.66	9.971E+04	501	124.41	1.212E+05
126	56.16	9.929E+04									

0********** A3 COEFFICIENT FOR FLOW EQUATION -REPRESENTS DEPTH OF FLOW IF A1 AND/OR A2 ARE **********
********** NOT SPECIFIED (OR ARE ZERO) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	36.600	127	56.34	14.995	252	79.09	11.182	377	101.84	11.500
2	33.59	35.990	128	56.52	14.884	253	79.27	11.145	378	102.02	11.500
3	33.77	34.771	129	56.70	14.757	254	79.45	11.109	379	102.20	11.500
4	33.95	33.552	130	56.89	14.629	255	79.64	11.073	380	102.39	11.500
5	34.14	32.332	131	57.07	14.502	256	79.82	11.036	381	102.57	11.500
6	34.32	31.113	132	57.25	14.374	257	80.00	11.000	382	102.75	11.500
7	34.50	29.893	133	57.43	14.247	258	80.18	10.963	383	102.93	11.500
8	34.68	28.674	134	57.61	14.131	259	80.36	10.927	384	103.11	11.500
9	34.86	27.455	135	57.80	14.022	260	80.55	10.895	385	103.30	11.500
10	35.05	26.235	136	57.98	13.913	261	80.73	10.877	386	103.48	11.500
11	35.23	25.016	137	58.16	13.803	262	80.91	10.859	387	103.66	11.580
12	35.41	23.796	138	58.34	13.694	263	81.09	10.841	388	103.84	11.671
13	35.59	22.577	139	58.52	13.583	264	81.27	10.823	389	104.02	11.762
14	35.77	21.358	140	58.71	13.455	265	81.46	10.804	390	104.21	11.853
15	35.96	20.138	141	58.89	13.328	266	81.64	10.772	391	104.39	11.944
16	36.14	18.919	142	59.07	13.200	267	81.82	10.736	392	104.57	12.042
17	36.32	17.699	143	59.25	13.073	268	82.00	10.699	393	104.75	12.152

18	36.50	16.489	144	59.43	12.946	269	82.18	10.663	394	104.93	12.261
19	36.68	15.834	145	59.62	12.830	270	82.37	10.627	395	105.12	12.370
20	36.87	15.179	146	59.80	12.721	271	82.55	10.590	396	105.30	12.479
21	37.05	14.524	147	59.98	12.611	272	82.73	10.554	397	105.48	12.588
22	37.23	13.868	148	60.16	12.502	273	82.91	10.517	398	105.66	12.665
23	37.41	13.213	149	60.34	12.393	274	83.09	10.481	399	105.84	12.738
24	37.59	12.872	150	60.53	12.281	275	83.28	10.445	400	106.03	12.811
25	37.78	12.817	151	60.71	12.154	276	83.46	10.408	401	106.21	12.883
26	37.96	12.762	152	60.89	12.026	277	83.64	10.372	402	106.39	12.956
27	38.14	12.708	153	61.07	11.899	278	83.82	10.335	403	106.57	13.000
28	38.32	12.653	154	61.25	11.772	279	84.00	10.299	404	106.75	13.000
29	38.50	12.599	155	61.44	11.644	280	84.19	10.263	405	106.94	13.000
30	38.69	12.544	156	61.62	11.541	281	84.37	10.226	406	107.12	13.000
31	38.87	12.489	157	61.80	11.450	282	84.55	10.195	407	107.30	13.000
32	39.05	12.435	158	61.98	11.359	283	84.73	10.177	408	107.48	13.000
33	39.23	12.380	159	62.16	11.268	284	84.91	10.159	409	107.66	13.000
34	39.41	12.326	160	62.35	11.177	285	85.10	10.140	410	107.85	13.000
35	39.60	12.261	161	62.53	11.088	286	85.28	10.122	411	108.03	13.000
36	39.78	12.188	162	62.71	11.016	287	85.46	10.104	412	108.21	13.000
37	39.96	12.116	163	62.89	10.943	288	85.64	10.071	413	108.39	13.000
38	40.14	12.043	164	63.07	10.870	289	85.82	10.035	414	108.57	13.000
39	40.32	11.970	165	63.26	10.797	290	86.01	9.999	415	108.76	13.000
40	40.51	11.899	166	63.44	10.724	291	86.19	9.962	416	108.94	13.000
41	40.69	11.881	167	63.62	10.640	292	86.37	9.926	417	109.12	13.000
42	40.87	11.863	168	63.80	10.549	293	86.55	9.905	418	109.30	13.000
43	41.05	11.845	169	63.98	10.458	294	86.73	9.923	419	109.48	13.000
44	41.23	11.827	170	64.17	10.367	295	86.92	9.942	420	109.67	13.000
45	41.42	11.808	171	64.35	10.276	296	87.10	9.960	421	109.85	13.000
46	41.60	11.800	172	64.53	10.188	297	87.28	9.978	422	110.03	13.000
47	41.78	11.800	173	64.71	10.115	298	87.46	9.996	423	110.21	13.000
48	41.96	11.800	174	64.89	10.042	299	87.64	10.072	424	110.39	13.000
49	42.14	11.800	175	65.08	9.969	300	87.83	10.163	425	110.58	13.000
50	42.33	11.800	176	65.26	9.896	301	88.01	10.254	426	110.76	13.000
51	42.51	11.800	177	65.44	9.824	302	88.19	10.345	427	110.94	13.000
52	42.69	11.800	178	65.62	9.739	303	88.37	10.436	428	111.12	13.000
53	42.87	11.800	179	65.80	9.648	304	88.55	10.527	429	111.30	13.000
54	43.05	11.800	180	65.99	9.557	305	88.74	10.618	430	111.49	13.000
55	43.24	11.800	181	66.17	9.466	306	88.92	10.709	431	111.67	13.000
56	43.42	11.800	182	66.35	9.375	307	89.10	10.800	432	111.85	13.000
57	43.60	11.800	183	66.53	9.287	308	89.28	10.891	433	112.03	13.000
58	43.78	11.800	184	66.71	9.214	309	89.46	10.982	434	112.21	13.000
59	43.96	11.800	185	66.90	9.141	310	89.65	11.073	435	112.40	13.000
60	44.15	11.800	186	67.08	9.068	311	89.83	11.164	436	112.58	13.000
61	44.33	11.800	187	67.26	8.996	312	90.01	11.255	437	112.76	13.000
62	44.51	11.800	188	67.44	8.923	313	90.19	11.346	438	112.94	13.000
63	44.69	11.800	189	67.62	8.838	314	90.37	11.437	439	113.12	13.000
64	44.87	11.800	190	67.81	8.747	315	90.56	11.500	440	113.31	13.000
65	45.06	11.800	191	67.99	8.656	316	90.74	11.500	441	113.49	13.000
66	45.24	11.800	192	68.17	8.565	317	90.92	11.500	442	113.67	13.051
67	45.42	11.800	193	68.35	8.474	318	91.10	11.500	443	113.85	13.106
68	45.60	11.800	194	68.53	8.393	319	91.28	11.500	444	114.03	13.160
69	45.78	11.800	195	68.72	8.357	320	91.47	11.500	445	114.22	13.215

70	45.97	11.800	196	68.90	8.320	321	91.65	11.500	446	114.40	13.270
71	46.15	11.800	197	69.08	8.284	322	91.83	11.500	447	114.58	13.332
72	46.33	11.800	198	69.26	8.247	323	92.01	11.500	448	114.76	13.405
73	46.51	11.799	199	69.44	8.211	324	92.19	11.500	449	114.94	13.478
74	46.69	11.781	200	69.63	8.200	325	92.38	11.500	450	115.13	13.551
75	46.88	11.762	201	69.81	8.200	326	92.56	11.500	451	115.31	13.623
76	47.06	11.744	202	69.99	8.200	327	92.74	11.500	452	115.49	13.696
77	47.24	11.726	203	70.17	8.200	328	92.92	11.500	453	115.67	13.786
78	47.42	11.708	204	70.35	8.200	329	93.10	11.500	454	115.85	13.877
79	47.60	11.721	205	70.54	8.200	330	93.29	11.500	455	116.04	13.968
80	47.79	11.757	206	70.72	8.200	331	93.47	11.500	456	116.22	14.059
81	47.97	11.794	207	70.90	8.200	332	93.65	11.500	457	116.40	14.150
82	48.15	11.830	208	71.08	8.200	333	93.83	11.500	458	116.58	14.241
83	48.33	11.867	209	71.26	8.200	334	94.01	11.500	459	116.76	14.332
84	48.51	11.879	210	71.45	8.200	335	94.20	11.500	460	116.95	14.423
85	48.70	11.624	211	71.63	8.264	336	94.38	11.500	461	117.13	14.514
86	48.88	11.369	212	71.81	8.355	337	94.56	11.500	462	117.31	14.605
87	49.06	11.115	213	71.99	8.446	338	94.74	11.500	463	117.49	14.696
88	49.24	10.860	214	72.17	8.537	339	94.92	11.500	464	117.67	14.770
89	49.42	10.605	215	72.36	8.628	340	95.11	11.500	465	117.86	14.843
90	49.61	10.447	216	72.54	8.723	341	95.29	11.500	466	118.04	14.915
91	49.79	10.356	217	72.72	8.832	342	95.47	11.500	467	118.22	14.988
92	49.97	10.265	218	72.90	8.942	343	95.65	11.500	468	118.40	15.061
93	50.15	10.174	219	73.08	9.051	344	95.83	11.500	469	118.58	15.142
94	50.33	10.083	220	73.27	9.160	345	96.02	11.500	470	118.77	15.233
95	50.52	9.988	221	73.45	9.269	346	96.20	11.500	471	118.95	15.324
96	50.70	9.861	222	73.63	9.392	347	96.38	11.500	472	119.13	15.415
97	50.88	9.733	223	73.81	9.519	348	96.56	11.500	473	119.31	15.506
98	51.06	9.606	224	73.99	9.646	349	96.74	11.500	474	119.49	15.597
99	51.24	9.479	225	74.18	9.774	350	96.93	11.500	475	119.68	15.688
100	51.43	9.351	226	74.36	9.901	351	97.11	11.500	476	119.86	15.779
101	51.61	9.180	227	74.54	10.020	352	97.29	11.500	477	120.04	15.870
102	51.79	8.980	228	74.72	10.111	353	97.47	11.500	478	120.22	15.961
103	51.97	8.780	229	74.90	10.202	354	97.65	11.500	479	120.40	16.052
104	52.15	8.580	230	75.09	10.293	355	97.84	11.500	480	120.59	16.143
105	52.34	8.379	231	75.27	10.384	356	98.02	11.500	481	120.77	16.234
106	52.52	8.228	232	75.45	10.475	357	98.20	11.500	482	120.95	16.325
107	52.70	8.501	233	75.63	10.580	358	98.38	11.500	483	121.13	16.416
108	52.88	8.774	234	75.81	10.689	359	98.56	11.500	484	121.31	16.507
109	53.06	9.047	235	76.00	10.798	360	98.75	11.500	485	121.50	16.598
110	53.25	9.320	236	76.18	10.907	361	98.93	11.500	486	121.68	16.671
111	53.43	9.593	237	76.36	11.016	362	99.11	11.500	487	121.86	16.744
112	53.61	10.410	238	76.54	11.113	363	99.29	11.500	488	122.04	16.817
113	53.79	11.575	239	76.72	11.167	364	99.47	11.500	489	122.22	16.890
114	53.97	12.739	240	76.91	11.222	365	99.66	11.500	490	122.41	16.963
115	54.16	13.904	241	77.09	11.277	366	99.84	11.500	491	122.59	17.044
116	54.34	15.069	242	77.27	11.331	367	100.02	11.500	492	122.77	17.135
117	54.52	16.087	243	77.45	11.386	368	100.20	11.500	493	122.95	17.226
118	54.70	15.978	244	77.63	11.387	369	100.38	11.500	494	123.13	17.317
119	54.88	15.869	245	77.82	11.368	370	100.57	11.500	495	123.32	17.408
120	55.07	15.760	246	78.00	11.350	371	100.75	11.500	496	123.50	17.499
121	55.25	15.651	247	78.18	11.332	372	100.93	11.500	497	123.68	17.590

122	55.43	15.541	248	78.36	11.314	373	101.11	11.500	498	123.86	17.681
123	55.61	15.432	249	78.54	11.291	374	101.29	11.500	499	124.04	17.772
124	55.79	15.323	250	78.73	11.255	375	101.48	11.500	500	124.23	17.863
125	55.98	15.214	251	78.91	11.218	376	101.66	11.500	501	124.41	17.954
126	56.16	15.105									

0********** JUNCTION WATER TEMPERATURES (DEG-C) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	24.000	127	56.34	24.000	252	79.09	23.000	377	101.84	23.000
2	33.59	24.000	128	56.52	24.000	253	79.27	23.000	378	102.02	23.000
3	33.77	24.000	129	56.70	24.000	254	79.45	23.000	379	102.20	23.000
4	33.95	24.000	130	56.89	24.000	255	79.64	23.000	380	102.39	23.000
5	34.14	24.000	131	57.07	24.000	256	79.82	23.000	381	102.57	23.000
6	34.32	24.000	132	57.25	24.000	257	80.00	23.000	382	102.75	23.000
7	34.50	24.000	133	57.43	24.000	258	80.18	23.000	383	102.93	23.000
8	34.68	24.000	134	57.61	24.000	259	80.36	23.000	384	103.11	23.000
9	34.86	24.000	135	57.80	24.000	260	80.55	23.000	385	103.30	23.000
10	35.05	24.000	136	57.98	24.000	261	80.73	23.000	386	103.48	23.000
11	35.23	24.000	137	58.16	24.000	262	80.91	23.000	387	103.66	23.000
12	35.41	24.000	138	58.34	24.000	263	81.09	23.000	388	103.84	23.000
13	35.59	24.000	139	58.52	24.000	264	81.27	23.000	389	104.02	23.000
14	35.77	24.000	140	58.71	24.000	265	81.46	23.000	390	104.21	23.000
15	35.96	24.000	141	58.89	24.000	266	81.64	23.000	391	104.39	23.000
16	36.14	24.000	142	59.07	24.000	267	81.82	23.000	392	104.57	23.000
17	36.32	24.000	143	59.25	24.000	268	82.00	23.000	393	104.75	23.000
18	36.50	24.000	144	59.43	24.000	269	82.18	23.000	394	104.93	23.000
19	36.68	24.000	145	59.62	24.000	270	82.37	23.000	395	105.12	23.000
20	36.87	24.000	146	59.80	24.000	271	82.55	23.000	396	105.30	23.000
21	37.05	24.000	147	59.98	24.000	272	82.73	23.000	397	105.48	23.000
22	37.23	24.000	148	60.16	24.000	273	82.91	23.000	398	105.66	23.000
23	37.41	24.000	149	60.34	24.000	274	83.09	23.000	399	105.84	23.000
24	37.59	24.000	150	60.53	24.000	275	83.28	23.000	400	106.03	23.000
25	37.78	24.000	151	60.71	24.000	276	83.46	23.000	401	106.21	23.000
26	37.96	24.000	152	60.89	24.000	277	83.64	23.000	402	106.39	23.000
27	38.14	24.000	153	61.07	24.000	278	83.82	23.000	403	106.57	23.000
28	38.32	24.000	154	61.25	24.000	279	84.00	23.000	404	106.75	23.000
29	38.50	24.000	155	61.44	24.000	280	84.19	23.000	405	106.94	23.000
30	38.69	24.000	156	61.62	24.000	281	84.37	23.000	406	107.12	23.000
31	38.87	24.000	157	61.80	24.000	282	84.55	23.000	407	107.30	23.000
32	39.05	24.000	158	61.98	24.000	283	84.73	23.000	408	107.48	23.000
33	39.23	24.000	159	62.16	24.000	284	84.91	23.000	409	107.66	23.000
34	39.41	24.000	160	62.35	24.000	285	85.10	23.000	410	107.85	23.000
35	39.60	24.000	161	62.53	24.000	286	85.28	23.000	411	108.03	23.000
36	39.78	24.000	162	62.71	24.000	287	85.46	23.000	412	108.21	23.000
37	39.96	24.000	163	62.89	24.000	288	85.64	23.000	413	108.39	23.000
38	40.14	24.000	164	63.07	24.000	289	85.82	23.000	414	108.57	23.000
39	40.32	24.000	165	63.26	24.000	290	86.01	23.000	415	108.76	23.000
40	40.51	24.000	166	63.44	24.000	291	86.19	23.000	416	108.94	23.000
41	40.69	24.000	167	63.62	24.000	292	86.37	23.000	417	109.12	23.000
42	40.87	24.000	168	63.80	24.000	293	86.55	23.000	418	109.30	23.000
43	41.05	24.000	169	63.98	24.000	294	86.73	23.000	419	109.48	23.000
44	41.23	24.000	170	64.17	24.000	295	86.92	23.000	420	109.67	23.000

45	41.42	24.000	171	64.35	24.000	296	87.10	23.000	421	109.85	23.000
46	41.60	24.000	172	64.53	24.000	297	87.28	23.000	422	110.03	23.000
47	41.78	24.000	173	64.71	24.000	298	87.46	23.000	423	110.21	23.000
48	41.96	24.000	174	64.89	24.000	299	87.64	23.000	424	110.39	23.000
49	42.14	24.000	175	65.08	24.000	300	87.83	23.000	425	110.58	23.000
50	42.33	24.000	176	65.26	24.000	301	88.01	23.000	426	110.76	23.000
51	42.51	24.000	177	65.44	24.000	302	88.19	23.000	427	110.94	23.000
52	42.69	24.000	178	65.62	24.000	303	88.37	23.000	428	111.12	23.000
53	42.87	24.000	179	65.80	24.000	304	88.55	23.000	429	111.30	23.000
54	43.05	24.000	180	65.99	24.000	305	88.74	23.000	430	111.49	23.000
55	43.24	24.000	181	66.17	24.000	306	88.92	23.000	431	111.67	23.000
56	43.42	24.000	182	66.35	24.000	307	89.10	23.000	432	111.85	23.000
57	43.60	24.000	183	66.53	24.000	308	89.28	23.000	433	112.03	23.000
58	43.78	24.000	184	66.71	24.000	309	89.46	23.000	434	112.21	23.000
59	43.96	24.000	185	66.90	24.000	310	89.65	23.000	435	112.40	23.000
60	44.15	24.000	186	67.08	24.000	311	89.83	23.000	436	112.58	23.000
61	44.33	24.000	187	67.26	24.000	312	90.01	23.000	437	112.76	23.000
62	44.51	24.000	188	67.44	24.000	313	90.19	23.000	438	112.94	23.000
63	44.69	24.000	189	67.62	24.000	314	90.37	23.000	439	113.12	23.000
64	44.87	24.000	190	67.81	24.000	315	90.56	23.000	440	113.31	23.000
65	45.06	24.000	191	67.99	24.000	316	90.74	23.000	441	113.49	23.000
66	45.24	24.000	192	68.17	24.000	317	90.92	23.000	442	113.67	23.000
67	45.42	24.000	193	68.35	24.000	318	91.10	23.000	443	113.85	23.000
68	45.60	24.000	194	68.53	24.000	319	91.28	23.000	444	114.03	23.000
69	45.78	24.000	195	68.72	24.000	320	91.47	23.000	445	114.22	23.000
70	45.97	24.000	196	68.90	24.000	321	91.65	23.000	446	114.40	23.000
71	46.15	24.000	197	69.08	24.000	322	91.83	23.000	447	114.58	23.000
72	46.33	24.000	198	69.26	24.000	323	92.01	23.000	448	114.76	23.000
73	46.51	24.000	199	69.44	24.000	324	92.19	23.000	449	114.94	23.000
74	46.69	24.000	200	69.63	24.000	325	92.38	23.000	450	115.13	23.000
75	46.88	24.000	201	69.81	24.000	326	92.56	23.000	451	115.31	23.000
76	47.06	24.000	202	69.99	24.000	327	92.74	23.000	452	115.49	23.000
77	47.24	24.000	203	70.17	24.000	328	92.92	23.000	453	115.67	23.000
78	47.42	24.000	204	70.35	24.000	329	93.10	23.000	454	115.85	23.000
79	47.60	24.000	205	70.54	23.963	330	93.29	23.000	455	116.04	23.000
80	47.79	24.000	206	70.72	23.781	331	93.47	23.000	456	116.22	23.000
81	47.97	24.000	207	70.90	23.599	332	93.65	23.000	457	116.40	23.000
82	48.15	24.000	208	71.08	23.417	333	93.83	23.000	458	116.58	23.000
83	48.33	24.000	209	71.26	23.235	334	94.01	23.000	459	116.76	23.000
84	48.51	24.000	210	71.45	23.053	335	94.20	23.000	460	116.95	23.000
85	48.70	24.000	211	71.63	23.000	336	94.38	23.000	461	117.13	23.000
86	48.88	24.000	212	71.81	23.000	337	94.56	23.000	462	117.31	23.000
87	49.06	24.000	213	71.99	23.000	338	94.74	23.000	463	117.49	23.000
88	49.24	24.000	214	72.17	23.000	339	94.92	23.000	464	117.67	23.000
89	49.42	24.000	215	72.36	23.000	340	95.11	23.000	465	117.86	23.000
90	49.61	24.000	216	72.54	23.000	341	95.29	23.000	466	118.04	23.000
91	49.79	24.000	217	72.72	23.000	342	95.47	23.000	467	118.22	23.000
92	49.97	24.000	218	72.90	23.000	343	95.65	23.000	468	118.40	23.000
93	50.15	24.000	219	73.08	23.000	344	95.83	23.000	469	118.58	23.000
94	50.33	24.000	220	73.27	23.000	345	96.02	23.000	470	118.77	23.000
95	50.52	24.000	221	73.45	23.000	346	96.20	23.000	471	118.95	23.000
96	50.70	24.000	222	73.63	23.000	347	96.38	23.000	472	119.13	23.000

97	50.88	24.000	223	73.81	23.000	348	96.56	23.000	473	119.31	23.000
98	51.06	24.000	224	73.99	23.000	349	96.74	23.000	474	119.49	23.000
99	51.24	24.000	225	74.18	23.000	350	96.93	23.000	475	119.68	23.000
100	51.43	24.000	226	74.36	23.000	351	97.11	23.000	476	119.86	23.000
101	51.61	24.000	227	74.54	23.000	352	97.29	23.000	477	120.04	23.000
102	51.79	24.000	228	74.72	23.000	353	97.47	23.000	478	120.22	23.000
103	51.97	24.000	229	74.90	23.000	354	97.65	23.000	479	120.40	23.000
104	52.15	24.000	230	75.09	23.000	355	97.84	23.000	480	120.59	23.000
105	52.34	24.000	231	75.27	23.000	356	98.02	23.000	481	120.77	23.000
106	52.52	24.000	232	75.45	23.000	357	98.20	23.000	482	120.95	23.000
107	52.70	24.000	233	75.63	23.000	358	98.38	23.000	483	121.13	23.000
108	52.88	24.000	234	75.81	23.000	359	98.56	23.000	484	121.31	23.000
109	53.06	24.000	235	76.00	23.000	360	98.75	23.000	485	121.50	23.000
110	53.25	24.000	236	76.18	23.000	361	98.93	23.000	486	121.68	23.000
111	53.43	24.000	237	76.36	23.000	362	99.11	23.000	487	121.86	23.000
112	53.61	24.000	238	76.54	23.000	363	99.29	23.000	488	122.04	23.000
113	53.79	24.000	239	76.72	23.000	364	99.47	23.000	489	122.22	23.000
114	53.97	24.000	240	76.91	23.000	365	99.66	23.000	490	122.41	23.000
115	54.16	24.000	241	77.09	23.000	366	99.84	23.000	491	122.59	23.000
116	54.34	24.000	242	77.27	23.000	367	100.02	23.000	492	122.77	23.000
117	54.52	24.000	243	77.45	23.000	368	100.20	23.000	493	122.95	23.000
118	54.70	24.000	244	77.63	23.000	369	100.38	23.000	494	123.13	23.000
119	54.88	24.000	245	77.82	23.000	370	100.57	23.000	495	123.32	23.000
120	55.07	24.000	246	78.00	23.000	371	100.75	23.000	496	123.50	23.000
121	55.25	24.000	247	78.18	23.000	372	100.93	23.000	497	123.68	23.000
122	55.43	24.000	248	78.36	23.000	373	101.11	23.000	498	123.86	23.000
123	55.61	24.000	249	78.54	23.000	374	101.29	23.000	499	124.04	23.000
124	55.79	24.000	250	78.73	23.000	375	101.48	23.000	500	124.23	23.000
125	55.98	24.000	251	78.91	23.000	376	101.66	23.000	501	124.41	23.000
126	56.16	24.000									

0********** INPUTED OXYGEN SATURATION CONCENTRATIONS (PPM) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	8.400	127	56.34	8.400	252	79.09	8.600	377	101.84	8.600
2	33.59	8.400	128	56.52	8.400	253	79.27	8.600	378	102.02	8.600
3	33.77	8.400	129	56.70	8.400	254	79.45	8.600	379	102.20	8.600
4	33.95	8.400	130	56.89	8.400	255	79.64	8.600	380	102.39	8.600
5	34.14	8.400	131	57.07	8.400	256	79.82	8.600	381	102.57	8.600
6	34.32	8.400	132	57.25	8.400	257	80.00	8.600	382	102.75	8.600
7	34.50	8.400	133	57.43	8.400	258	80.18	8.600	383	102.93	8.600
8	34.68	8.400	134	57.61	8.400	259	80.36	8.600	384	103.11	8.600
9	34.86	8.400	135	57.80	8.400	260	80.55	8.600	385	103.30	8.600
10	35.05	8.400	136	57.98	8.400	261	80.73	8.600	386	103.48	8.600
11	35.23	8.400	137	58.16	8.400	262	80.91	8.600	387	103.66	8.600
12	35.41	8.400	138	58.34	8.400	263	81.09	8.600	388	103.84	8.600
13	35.59	8.400	139	58.52	8.400	264	81.27	8.600	389	104.02	8.600
14	35.77	8.400	140	58.71	8.400	265	81.46	8.600	390	104.21	8.600
15	35.96	8.400	141	58.89	8.400	266	81.64	8.600	391	104.39	8.600
16	36.14	8.400	142	59.07	8.400	267	81.82	8.600	392	104.57	8.600
17	36.32	8.400	143	59.25	8.400	268	82.00	8.600	393	104.75	8.600
18	36.50	8.400	144	59.43	8.400	269	82.18	8.600	394	104.93	8.600
19	36.68	8.400	145	59.62	8.400	270	82.37	8.600	395	105.12	8.600

20	36.87	8.400	146	59.80	8.400	271	82.55	8.600	396	105.30	8.600
21	37.05	8.400	147	59.98	8.400	272	82.73	8.600	397	105.48	8.600
22	37.23	8.400	148	60.16	8.400	273	82.91	8.600	398	105.66	8.600
23	37.41	8.400	149	60.34	8.400	274	83.09	8.600	399	105.84	8.600
24	37.59	8.400	150	60.53	8.400	275	83.28	8.600	400	106.03	8.600
25	37.78	8.400	151	60.71	8.400	276	83.46	8.600	401	106.21	8.600
26	37.96	8.400	152	60.89	8.400	277	83.64	8.600	402	106.39	8.600
27	38.14	8.400	153	61.07	8.400	278	83.82	8.600	403	106.57	8.600
28	38.32	8.400	154	61.25	8.400	279	84.00	8.600	404	106.75	8.600
29	38.50	8.400	155	61.44	8.400	280	84.19	8.600	405	106.94	8.600
30	38.69	8.400	156	61.62	8.400	281	84.37	8.600	406	107.12	8.600
31	38.87	8.400	157	61.80	8.400	282	84.55	8.600	407	107.30	8.600
32	39.05	8.400	158	61.98	8.400	283	84.73	8.600	408	107.48	8.600
33	39.23	8.400	159	62.16	8.400	284	84.91	8.600	409	107.66	8.600
34	39.41	8.400	160	62.35	8.400	285	85.10	8.600	410	107.85	8.600
35	39.60	8.400	161	62.53	8.400	286	85.28	8.600	411	108.03	8.600
36	39.78	8.400	162	62.71	8.400	287	85.46	8.600	412	108.21	8.600
37	39.96	8.400	163	62.89	8.400	288	85.64	8.600	413	108.39	8.600
38	40.14	8.400	164	63.07	8.400	289	85.82	8.600	414	108.57	8.600
39	40.32	8.400	165	63.26	8.400	290	86.01	8.600	415	108.76	8.600
40	40.51	8.400	166	63.44	8.400	291	86.19	8.600	416	108.94	8.600
41	40.69	8.400	167	63.62	8.400	292	86.37	8.600	417	109.12	8.600
42	40.87	8.400	168	63.80	8.400	293	86.55	8.600	418	109.30	8.600
43	41.05	8.400	169	63.98	8.400	294	86.73	8.600	419	109.48	8.600
44	41.23	8.400	170	64.17	8.400	295	86.92	8.600	420	109.67	8.600
45	41.42	8.400	171	64.35	8.400	296	87.10	8.600	421	109.85	8.600
46	41.60	8.400	172	64.53	8.400	297	87.28	8.600	422	110.03	8.600
47	41.78	8.400	173	64.71	8.400	298	87.46	8.600	423	110.21	8.600
48	41.96	8.400	174	64.89	8.400	299	87.64	8.600	424	110.39	8.600
49	42.14	8.400	175	65.08	8.400	300	87.83	8.600	425	110.58	8.600
50	42.33	8.400	176	65.26	8.400	301	88.01	8.600	426	110.76	8.600
51	42.51	8.400	177	65.44	8.400	302	88.19	8.600	427	110.94	8.600
52	42.69	8.400	178	65.62	8.400	303	88.37	8.600	428	111.12	8.600
53	42.87	8.400	179	65.80	8.400	304	88.55	8.600	429	111.30	8.600
54	43.05	8.400	180	65.99	8.400	305	88.74	8.600	430	111.49	8.600
55	43.24	8.400	181	66.17	8.400	306	88.92	8.600	431	111.67	8.600
56	43.42	8.400	182	66.35	8.400	307	89.10	8.600	432	111.85	8.600
57	43.60	8.400	183	66.53	8.400	308	89.28	8.600	433	112.03	8.600
58	43.78	8.400	184	66.71	8.400	309	89.46	8.600	434	112.21	8.600
59	43.96	8.400	185	66.90	8.400	310	89.65	8.600	435	112.40	8.600
60	44.15	8.400	186	67.08	8.400	311	89.83	8.600	436	112.58	8.600
61	44.33	8.400	187	67.26	8.400	312	90.01	8.600	437	112.76	8.600
62	44.51	8.400	188	67.44	8.400	313	90.19	8.600	438	112.94	8.600
63	44.69	8.400	189	67.62	8.400	314	90.37	8.600	439	113.12	8.600
64	44.87	8.400	190	67.81	8.400	315	90.56	8.600	440	113.31	8.600
65	45.06	8.400	191	67.99	8.400	316	90.74	8.600	441	113.49	8.600
66	45.24	8.400	192	68.17	8.400	317	90.92	8.600	442	113.67	8.600
67	45.42	8.400	193	68.35	8.400	318	91.10	8.600	443	113.85	8.600
68	45.60	8.400	194	68.53	8.400	319	91.28	8.600	444	114.03	8.600
69	45.78	8.400	195	68.72	8.400	320	91.47	8.600	445	114.22	8.600
70	45.97	8.400	196	68.90	8.400	321	91.65	8.600	446	114.40	8.600
71	46.15	8.400	197	69.08	8.400	322	91.83	8.600	447	114.58	8.600

72	46.33	8.400	198	69.26	8.400	323	92.01	8.600	448	114.76	8.600
73	46.51	8.400	199	69.44	8.400	324	92.19	8.600	449	114.94	8.600
74	46.69	8.400	200	69.63	8.400	325	92.38	8.600	450	115.13	8.600
75	46.88	8.400	201	69.81	8.400	326	92.56	8.600	451	115.31	8.600
76	47.06	8.400	202	69.99	8.400	327	92.74	8.600	452	115.49	8.600
77	47.24	8.400	203	70.17	8.400	328	92.92	8.600	453	115.67	8.600
78	47.42	8.400	204	70.35	8.400	329	93.10	8.600	454	115.85	8.600
79	47.60	8.400	205	70.54	8.407	330	93.29	8.600	455	116.04	8.600
80	47.79	8.400	206	70.72	8.444	331	93.47	8.600	456	116.22	8.600
81	47.97	8.400	207	70.90	8.480	332	93.65	8.600	457	116.40	8.600
82	48.15	8.400	208	71.08	8.517	333	93.83	8.600	458	116.58	8.600
83	48.33	8.400	209	71.26	8.553	334	94.01	8.600	459	116.76	8.600
84	48.51	8.400	210	71.45	8.589	335	94.20	8.600	460	116.95	8.600
85	48.70	8.400	211	71.63	8.600	336	94.38	8.600	461	117.13	8.600
86	48.88	8.400	212	71.81	8.600	337	94.56	8.600	462	117.31	8.600
87	49.06	8.400	213	71.99	8.600	338	94.74	8.600	463	117.49	8.600
88	49.24	8.400	214	72.17	8.600	339	94.92	8.600	464	117.67	8.600
89	49.42	8.400	215	72.36	8.600	340	95.11	8.600	465	117.86	8.600
90	49.61	8.400	216	72.54	8.600	341	95.29	8.600	466	118.04	8.600
91	49.79	8.400	217	72.72	8.600	342	95.47	8.600	467	118.22	8.600
92	49.97	8.400	218	72.90	8.600	343	95.65	8.600	468	118.40	8.600
93	50.15	8.400	219	73.08	8.600	344	95.83	8.600	469	118.58	8.600
94	50.33	8.400	220	73.27	8.600	345	96.02	8.600	470	118.77	8.600
95	50.52	8.400	221	73.45	8.600	346	96.20	8.600	471	118.95	8.600
96	50.70	8.400	222	73.63	8.600	347	96.38	8.600	472	119.13	8.600
97	50.88	8.400	223	73.81	8.600	348	96.56	8.600	473	119.31	8.600
98	51.06	8.400	224	73.99	8.600	349	96.74	8.600	474	119.49	8.600
99	51.24	8.400	225	74.18	8.600	350	96.93	8.600	475	119.68	8.600
100	51.43	8.400	226	74.36	8.600	351	97.11	8.600	476	119.86	8.600
101	51.61	8.400	227	74.54	8.600	352	97.29	8.600	477	120.04	8.600
102	51.79	8.400	228	74.72	8.600	353	97.47	8.600	478	120.22	8.600
103	51.97	8.400	229	74.90	8.600	354	97.65	8.600	479	120.40	8.600
104	52.15	8.400	230	75.09	8.600	355	97.84	8.600	480	120.59	8.600
105	52.34	8.400	231	75.27	8.600	356	98.02	8.600	481	120.77	8.600
106	52.52	8.400	232	75.45	8.600	357	98.20	8.600	482	120.95	8.600
107	52.70	8.400	233	75.63	8.600	358	98.38	8.600	483	121.13	8.600
108	52.88	8.400	234	75.81	8.600	359	98.56	8.600	484	121.31	8.600
109	53.06	8.400	235	76.00	8.600	360	98.75	8.600	485	121.50	8.600
110	53.25	8.400	236	76.18	8.600	361	98.93	8.600	486	121.68	8.600
111	53.43	8.400	237	76.36	8.600	362	99.11	8.600	487	121.86	8.600
112	53.61	8.400	238	76.54	8.600	363	99.29	8.600	488	122.04	8.600
113	53.79	8.400	239	76.72	8.600	364	99.47	8.600	489	122.22	8.600
114	53.97	8.400	240	76.91	8.600	365	99.66	8.600	490	122.41	8.600
115	54.16	8.400	241	77.09	8.600	366	99.84	8.600	491	122.59	8.600
116	54.34	8.400	242	77.27	8.600	367	100.02	8.600	492	122.77	8.600
117	54.52	8.400	243	77.45	8.600	368	100.20	8.600	493	122.95	8.600
118	54.70	8.400	244	77.63	8.600	369	100.38	8.600	494	123.13	8.600
119	54.88	8.400	245	77.82	8.600	370	100.57	8.600	495	123.32	8.600
120	55.07	8.400	246	78.00	8.600	371	100.75	8.600	496	123.50	8.600
121	55.25	8.400	247	78.18	8.600	372	100.93	8.600	497	123.68	8.600
122	55.43	8.400	248	78.36	8.600	373	101.11	8.600	498	123.86	8.600
123	55.61	8.400	249	78.54	8.600	374	101.29	8.600	499	124.04	8.600

124	55.79	8.400	250	78.73	8.600	375	101.48	8.600	500	124.23	8.600
125	55.98	8.400	251	78.91	8.600	376	101.66	8.600	501	124.41	8.600
126	56.16	8.400									

0********** NET EVAPORATION - RAINFALL (IN/MO) **********

ALL VALUES = 0.000E+00

0********** OXYGEN UPTAKE OF SEDIMENTS (GM 02/SQM/DAY) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.291	127	56.34	1.266	252	79.09	.791	377	101.84	.395
2	33.59	1.291	128	56.52	1.263	253	79.27	.788	378	102.02	.392
3	33.77	1.291	129	56.70	1.260	254	79.45	.785	379	102.20	.389
4	33.95	1.291	130	56.89	1.256	255	79.64	.782	380	102.39	.385
5	34.14	1.291	131	57.07	1.253	256	79.82	.779	381	102.57	.382
6	34.32	1.291	132	57.25	1.249	257	80.00	.776	382	102.75	.379
7	34.50	1.291	133	57.43	1.246	258	80.18	.772	383	102.93	.376
8	34.68	1.291	134	57.61	1.243	259	80.36	.769	384	103.11	.373
9	34.86	1.291	135	57.80	1.239	260	80.55	.766	385	103.30	.370
10	35.05	1.291	136	57.98	1.236	261	80.73	.763	386	103.48	.366
11	35.23	1.291	137	58.16	1.233	262	80.91	.760	387	103.66	.363
12	35.41	1.291	138	58.34	1.229	263	81.09	.757	388	103.84	.360
13	35.59	1.291	139	58.52	1.226	264	81.27	.753	389	104.02	.357
14	35.77	1.291	140	58.71	1.222	265	81.46	.750	390	104.21	.354
15	35.96	1.291	141	58.89	1.219	266	81.64	.747	391	104.39	.351
16	36.14	1.291	142	59.07	1.216	267	81.82	.744	392	104.57	.347
17	36.32	1.291	143	59.25	1.212	268	82.00	.741	393	104.75	.344
18	36.50	1.291	144	59.43	1.209	269	82.18	.738	394	104.93	.341
19	36.68	1.291	145	59.62	1.206	270	82.37	.734	395	105.12	.338
20	36.87	1.291	146	59.80	1.202	271	82.55	.731	396	105.30	.335
21	37.05	1.291	147	59.98	1.199	272	82.73	.728	397	105.48	.331
22	37.23	1.291	148	60.16	1.195	273	82.91	.725	398	105.66	.328
23	37.41	1.291	149	60.34	1.192	274	83.09	.722	399	105.84	.325
24	37.59	1.291	150	60.53	1.189	275	83.28	.719	400	106.03	.322
25	37.78	1.291	151	60.71	1.185	276	83.46	.715	401	106.21	.319
26	37.96	1.291	152	60.89	1.182	277	83.64	.712	402	106.39	.316
27	38.14	1.291	153	61.07	1.178	278	83.82	.709	403	106.57	.312
28	38.32	1.291	154	61.25	1.175	279	84.00	.706	404	106.75	.309
29	38.50	1.291	155	61.44	1.172	280	84.19	.703	405	106.94	.306
30	38.69	1.291	156	61.62	1.168	281	84.37	.699	406	107.12	.303
31	38.87	1.291	157	61.80	1.165	282	84.55	.696	407	107.30	.300
32	39.05	1.291	158	61.98	1.162	283	84.73	.693	408	107.48	.297
33	39.23	1.291	159	62.16	1.158	284	84.91	.690	409	107.66	.293
34	39.41	1.291	160	62.35	1.155	285	85.10	.687	410	107.85	.290
35	39.60	1.291	161	62.53	1.151	286	85.28	.684	411	108.03	.287
36	39.78	1.291	162	62.71	1.148	287	85.46	.680	412	108.21	.284
37	39.96	1.291	163	62.89	1.145	288	85.64	.677	413	108.39	.281
38	40.14	1.291	164	63.07	1.141	289	85.82	.674	414	108.57	.278
39	40.32	1.291	165	63.26	1.138	290	86.01	.671	415	108.76	.274
40	40.51	1.291	166	63.44	1.135	291	86.19	.668	416	108.94	.271
41	40.69	1.291	167	63.62	1.131	292	86.37	.665	417	109.12	.268
42	40.87	1.291	168	63.80	1.128	293	86.55	.661	418	109.30	.265
43	41.05	1.291	169	63.98	1.124	294	86.73	.658	419	109.48	.262
44	41.23	1.291	170	64.17	1.121	295	86.92	.655	420	109.67	.259

45	41.42	1.291	171	64.35	1.118	296	87.10	.652	421	109.85	.255
46	41.60	1.291	172	64.53	1.114	297	87.28	.649	422	110.03	.252
47	41.78	1.291	173	64.71	1.111	298	87.46	.646	423	110.21	.249
48	41.96	1.291	174	64.89	1.107	299	87.64	.642	424	110.39	.246
49	42.14	1.291	175	65.08	1.104	300	87.83	.639	425	110.58	.243
50	42.33	1.291	176	65.26	1.101	301	88.01	.636	426	110.76	.240
51	42.51	1.291	177	65.44	1.097	302	88.19	.633	427	110.94	.236
52	42.69	1.291	178	65.62	1.094	303	88.37	.630	428	111.12	.233
53	42.87	1.291	179	65.80	1.091	304	88.55	.627	429	111.30	.230
54	43.05	1.291	180	65.99	1.087	305	88.74	.623	430	111.49	.227
55	43.24	1.291	181	66.17	1.084	306	88.92	.620	431	111.67	.224
56	43.42	1.291	182	66.35	1.080	307	89.10	.617	432	111.85	.220
57	43.60	1.291	183	66.53	1.077	308	89.28	.614	433	112.03	.217
58	43.78	1.291	184	66.71	1.074	309	89.46	.611	434	112.21	.214
59	43.96	1.291	185	66.90	1.070	310	89.65	.607	435	112.40	.211
60	44.15	1.291	186	67.08	1.067	311	89.83	.604	436	112.58	.208
61	44.33	1.291	187	67.26	1.063	312	90.01	.601	437	112.76	.205
62	44.51	1.291	188	67.44	1.060	313	90.19	.598	438	112.94	.201
63	44.69	1.291	189	67.62	1.057	314	90.37	.595	439	113.12	.198
64	44.87	1.291	190	67.81	1.053	315	90.56	.592	440	113.31	.195
65	45.06	1.291	191	67.99	1.050	316	90.74	.588	441	113.49	.192
66	45.24	1.291	192	68.17	1.047	317	90.92	.585	442	113.67	.189
67	45.42	1.291	193	68.35	1.043	318	91.10	.582	443	113.85	.186
68	45.60	1.291	194	68.53	1.040	319	91.28	.579	444	114.03	.182
69	45.78	1.291	195	68.72	1.036	320	91.47	.576	445	114.22	.179
70	45.97	1.291	196	68.90	1.033	321	91.65	.573	446	114.40	.176
71	46.15	1.291	197	69.08	1.030	322	91.83	.569	447	114.58	.173
72	46.33	1.291	198	69.26	1.026	323	92.01	.566	448	114.76	.170
73	46.51	1.291	199	69.44	1.023	324	92.19	.563	449	114.94	.167
74	46.69	1.291	200	69.63	1.020	325	92.38	.560	450	115.13	.163
75	46.88	1.291	201	69.81	1.016	326	92.56	.557	451	115.31	.160
76	47.06	1.291	202	69.99	1.013	327	92.74	.554	452	115.49	.157
77	47.24	1.291	203	70.17	1.009	328	92.92	.550	453	115.67	.154
78	47.42	1.291	204	70.35	1.006	329	93.10	.547	454	115.85	.151
79	47.60	1.291	205	70.54	1.000	330	93.29	.544	455	116.04	.148
80	47.79	1.291	206	70.72	.985	331	93.47	.541	456	116.22	.144
81	47.97	1.291	207	70.90	.971	332	93.65	.538	457	116.40	.141
82	48.15	1.291	208	71.08	.956	333	93.83	.535	458	116.58	.138
83	48.33	1.291	209	71.26	.942	334	94.01	.531	459	116.76	.135
84	48.51	1.291	210	71.45	.928	335	94.20	.528	460	116.95	.132
85	48.70	1.291	211	71.63	.922	336	94.38	.525	461	117.13	.128
86	48.88	1.291	212	71.81	.918	337	94.56	.522	462	117.31	.125
87	49.06	1.291	213	71.99	.915	338	94.74	.519	463	117.49	.122
88	49.24	1.291	214	72.17	.912	339	94.92	.515	464	117.67	.119
89	49.42	1.291	215	72.36	.909	340	95.11	.512	465	117.86	.116
90	49.61	1.291	216	72.54	.906	341	95.29	.509	466	118.04	.113
91	49.79	1.291	217	72.72	.902	342	95.47	.506	467	118.22	.109
92	49.97	1.291	218	72.90	.899	343	95.65	.503	468	118.40	.106
93	50.15	1.291	219	73.08	.896	344	95.83	.500	469	118.58	.103
94	50.33	1.291	220	73.27	.893	345	96.02	.496	470	118.77	.100
95	50.52	1.291	221	73.45	.890	346	96.20	.493	471	118.95	.097
96	50.70	1.291	222	73.63	.887	347	96.38	.490	472	119.13	.094

97	50.88	1.291	223	73.81	.883	348	96.56	.487	473	119.31	.090
98	51.06	1.291	224	73.99	.880	349	96.74	.484	474	119.49	.087
99	51.24	1.291	225	74.18	.877	350	96.93	.481	475	119.68	.084
100	51.43	1.291	226	74.36	.874	351	97.11	.477	476	119.86	.081
101	51.61	1.291	227	74.54	.871	352	97.29	.474	477	120.04	.078
102	51.79	1.291	228	74.72	.868	353	97.47	.471	478	120.22	.075
103	51.97	1.291	229	74.90	.864	354	97.65	.468	479	120.40	.071
104	52.15	1.291	230	75.09	.861	355	97.84	.465	480	120.59	.068
105	52.34	1.291	231	75.27	.858	356	98.02	.462	481	120.77	.065
106	52.52	1.291	232	75.45	.855	357	98.20	.458	482	120.95	.062
107	52.70	1.291	233	75.63	.852	358	98.38	.455	483	121.13	.059
108	52.88	1.291	234	75.81	.849	359	98.56	.452	484	121.31	.056
109	53.06	1.291	235	76.00	.845	360	98.75	.449	485	121.50	.052
110	53.25	1.291	236	76.18	.842	361	98.93	.446	486	121.68	.049
111	53.43	1.291	237	76.36	.839	362	99.11	.443	487	121.86	.046
112	53.61	1.291	238	76.54	.836	363	99.29	.439	488	122.04	.043
113	53.79	1.291	239	76.72	.833	364	99.47	.436	489	122.22	.040
114	53.97	1.291	240	76.91	.830	365	99.66	.433	490	122.41	.036
115	54.16	1.291	241	77.09	.826	366	99.84	.430	491	122.59	.033
116	54.34	1.291	242	77.27	.823	367	100.02	.427	492	122.77	.030
117	54.52	1.291	243	77.45	.820	368	100.20	.423	493	122.95	.027
118	54.70	1.291	244	77.63	.817	369	100.38	.420	494	123.13	.024
119	54.88	1.291	245	77.82	.814	370	100.57	.417	495	123.32	.021
120	55.07	1.290	246	78.00	.810	371	100.75	.414	496	123.50	.017
121	55.25	1.287	247	78.18	.807	372	100.93	.411	497	123.68	.014
122	55.43	1.283	248	78.36	.804	373	101.11	.408	498	123.86	.011
123	55.61	1.280	249	78.54	.801	374	101.29	.404	499	124.04	.008
124	55.79	1.277	250	78.73	.798	375	101.48	.401	500	124.23	.005
125	55.98	1.273	251	78.91	.795	376	101.66	.398	501	124.41	.002
126	56.16	1.270									

0********** DISPERSION COEFFICIENTS (SQFT/SEC) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.50	32.300	126	56.25	64.500	251	79.00	32.300	376	101.75	32.300
2	33.68	32.300	127	56.43	64.500	252	79.18	32.300	377	101.93	32.300
3	33.86	32.300	128	56.61	64.500	253	79.36	32.300	378	102.11	32.300
4	34.05	32.300	129	56.80	64.500	254	79.55	32.300	379	102.30	32.300
5	34.23	32.300	130	56.98	64.500	255	79.73	32.300	380	102.48	32.300
6	34.41	32.300	131	57.16	64.500	256	79.91	32.300	381	102.66	32.300
7	34.59	32.300	132	57.34	64.500	257	80.09	32.300	382	102.84	32.300
8	34.77	32.300	133	57.52	64.500	258	80.27	32.300	383	103.02	32.300
9	34.96	32.300	134	57.71	64.500	259	80.46	32.300	384	103.21	32.300
10	35.14	32.300	135	57.89	64.500	260	80.64	32.300	385	103.39	32.300
11	35.32	32.300	136	58.07	64.500	261	80.82	32.300	386	103.57	32.300
12	35.50	32.300	137	58.25	64.500	262	81.00	32.300	387	103.75	32.300
13	35.68	32.300	138	58.43	64.500	263	81.18	32.300	388	103.93	32.300
14	35.87	32.300	139	58.62	64.500	264	81.37	32.300	389	104.12	32.300
15	36.05	32.300	140	58.80	64.500	265	81.55	32.300	390	104.30	32.300
16	36.23	32.300	141	58.98	64.500	266	81.73	32.300	391	104.48	32.300
17	36.41	32.300	142	59.16	64.500	267	81.91	32.300	392	104.66	32.300
18	36.59	32.300	143	59.34	64.500	268	82.09	32.300	393	104.84	32.300
19	36.78	32.300	144	59.53	64.500	269	82.28	32.300	394	105.03	32.300

20	36.96	32.300	145	59.71	64.500	270	82.46	32.300	395	105.21	32.300
21	37.14	32.300	146	59.89	64.500	271	82.64	32.300	396	105.39	32.300
22	37.32	32.300	147	60.07	64.500	272	82.82	32.300	397	105.57	32.300
23	37.50	32.300	148	60.25	64.500	273	83.00	32.300	398	105.75	32.300
24	37.69	32.300	149	60.44	64.500	274	83.19	32.300	399	105.94	32.300
25	37.87	32.300	150	60.62	64.500	275	83.37	32.300	400	106.12	32.300
26	38.05	32.300	151	60.80	64.500	276	83.55	32.300	401	106.30	32.300
27	38.23	32.300	152	60.98	64.500	277	83.73	32.300	402	106.48	32.300
28	38.41	32.300	153	61.16	64.500	278	83.91	32.300	403	106.66	32.300
29	38.60	32.300	154	61.35	64.500	279	84.10	32.300	404	106.85	32.300
30	38.78	32.300	155	61.53	64.500	280	84.28	32.300	405	107.03	32.300
31	38.96	32.300	156	61.71	64.500	281	84.46	32.300	406	107.21	32.300
32	39.14	32.300	157	61.89	64.500	282	84.64	32.300	407	107.39	32.300
33	39.32	32.300	158	62.07	64.500	283	84.82	32.300	408	107.57	32.300
34	39.51	32.300	159	62.26	64.500	284	85.01	32.300	409	107.76	32.300
35	39.69	32.300	160	62.44	64.500	285	85.19	32.300	410	107.94	32.300
36	39.87	32.300	161	62.62	64.500	286	85.37	32.300	411	108.12	32.300
37	40.05	32.300	162	62.80	64.500	287	85.55	32.300	412	108.30	32.300
38	40.23	32.300	163	62.98	64.500	288	85.73	32.300	413	108.48	32.300
39	40.42	32.300	164	63.17	64.500	289	85.92	32.300	414	108.67	32.300
40	40.60	32.300	165	63.35	64.500	290	86.10	32.300	415	108.85	32.300
41	40.78	32.300	166	63.53	64.500	291	86.28	32.300	416	109.03	32.300
42	40.96	32.300	167	63.71	64.500	292	86.46	32.300	417	109.21	32.300
43	41.14	32.300	168	63.89	64.500	293	86.64	32.300	418	109.39	32.300
44	41.33	32.300	169	64.08	64.500	294	86.83	32.300	419	109.58	32.300
45	41.51	32.300	170	64.26	64.500	295	87.01	32.300	420	109.76	32.300
46	41.69	32.300	171	64.44	64.500	296	87.19	32.300	421	109.94	32.300
47	41.87	32.300	172	64.62	64.500	297	87.37	32.300	422	110.12	32.300
48	42.05	32.300	173	64.80	64.500	298	87.55	32.300	423	110.30	32.300
49	42.24	32.300	174	64.99	64.500	299	87.74	32.300	424	110.49	32.300
50	42.42	32.300	175	65.17	64.500	300	87.92	32.300	425	110.67	32.300
51	42.60	32.300	176	65.35	64.500	301	88.10	32.300	426	110.85	32.300
52	42.78	32.300	177	65.53	64.500	302	88.28	32.300	427	111.03	32.300
53	42.96	32.300	178	65.71	64.500	303	88.46	32.300	428	111.21	32.300
54	43.15	32.300	179	65.90	64.500	304	88.65	32.300	429	111.40	32.300
55	43.33	32.300	180	66.08	64.500	305	88.83	32.300	430	111.58	32.300
56	43.51	32.300	181	66.26	64.500	306	89.01	32.300	431	111.76	32.300
57	43.69	32.300	182	66.44	64.500	307	89.19	32.300	432	111.94	32.300
58	43.87	32.300	183	66.62	64.500	308	89.37	32.300	433	112.12	32.300
59	44.06	32.300	184	66.81	64.500	309	89.56	32.300	434	112.31	32.300
60	44.24	32.300	185	66.99	64.500	310	89.74	32.300	435	112.49	32.300
61	44.42	32.300	186	67.17	64.500	311	89.92	32.300	436	112.67	32.300
62	44.60	35.583	187	67.35	64.500	312	90.10	32.300	437	112.85	32.300
63	44.78	41.443	188	67.53	64.500	313	90.28	32.300	438	113.03	32.300
64	44.97	47.304	189	67.72	64.500	314	90.47	32.300	439	113.22	32.300
65	45.15	53.164	190	67.90	64.500	315	90.65	32.300	440	113.40	32.300
66	45.33	59.024	191	68.08	64.500	316	90.83	32.300	441	113.58	32.300
67	45.51	64.500	192	68.26	64.500	317	91.01	32.300	442	113.76	32.300
68	45.69	64.500	193	68.44	64.500	318	91.19	32.300	443	113.94	32.300
69	45.88	64.500	194	68.63	64.500	319	91.38	32.300	444	114.13	32.300
70	46.06	64.500	195	68.81	64.500	320	91.56	32.300	445	114.31	32.300
71	46.24	64.500	196	68.99	64.500	321	91.74	32.300	446	114.49	32.300

72	46.42	64.500	197	69.17	64.500	322	91.92	32.300	447	114.67	32.300
73	46.60	64.500	198	69.35	64.500	323	92.10	32.300	448	114.85	32.300
74	46.79	64.500	199	69.54	64.500	324	92.29	32.300	449	115.04	32.300
75	46.97	64.500	200	69.72	64.500	325	92.47	32.300	450	115.22	32.300
76	47.15	64.500	201	69.90	64.500	326	92.65	32.300	451	115.40	32.300
77	47.33	64.500	202	70.08	64.500	327	92.83	32.300	452	115.58	32.300
78	47.51	64.500	203	70.26	64.500	328	93.01	32.300	453	115.76	32.300
79	47.70	64.500	204	70.45	64.500	329	93.20	32.300	454	115.95	32.300
80	47.88	64.500	205	70.63	60.384	330	93.38	32.300	455	116.13	32.300
81	48.06	64.500	206	70.81	54.523	331	93.56	32.300	456	116.31	32.300
82	48.24	64.500	207	70.99	48.663	332	93.74	32.300	457	116.49	32.300
83	48.42	64.500	208	71.17	42.802	333	93.92	32.300	458	116.67	32.300
84	48.61	64.500	209	71.36	36.942	334	94.11	32.300	459	116.86	32.300
85	48.79	64.500	210	71.54	32.300	335	94.29	32.300	460	117.04	32.300
86	48.97	64.500	211	71.72	32.300	336	94.47	32.300	461	117.22	32.300
87	49.15	64.500	212	71.90	32.300	337	94.65	32.300	462	117.40	32.300
88	49.33	64.500	213	72.08	32.300	338	94.83	32.300	463	117.58	32.300
89	49.52	64.500	214	72.27	32.300	339	95.02	32.300	464	117.77	32.300
90	49.70	64.500	215	72.45	32.300	340	95.20	32.300	465	117.95	32.300
91	49.88	64.500	216	72.63	32.300	341	95.38	32.300	466	118.13	32.300
92	50.06	64.500	217	72.81	32.300	342	95.56	32.300	467	118.31	32.300
93	50.24	64.500	218	72.99	32.300	343	95.74	32.300	468	118.49	32.300
94	50.43	64.500	219	73.18	32.300	344	95.93	32.300	469	118.68	32.300
95	50.61	64.500	220	73.36	32.300	345	96.11	32.300	470	118.86	32.300
96	50.79	64.500	221	73.54	32.300	346	96.29	32.300	471	119.04	32.300
97	50.97	64.500	222	73.72	32.300	347	96.47	32.300	472	119.22	32.300
98	51.15	64.500	223	73.90	32.300	348	96.65	32.300	473	119.40	32.300
99	51.34	64.500	224	74.09	32.300	349	96.84	32.300	474	119.59	32.300
100	51.52	64.500	225	74.27	32.300	350	97.02	32.300	475	119.77	32.300
101	51.70	64.500	226	74.45	32.300	351	97.20	32.300	476	119.95	32.300
102	51.88	64.500	227	74.63	32.300	352	97.38	32.300	477	120.13	32.300
103	52.06	64.500	228	74.81	32.300	353	97.56	32.300	478	120.31	32.300
104	52.25	64.500	229	75.00	32.300	354	97.75	32.300	479	120.50	32.300
105	52.43	64.500	230	75.18	32.300	355	97.93	32.300	480	120.68	32.300
106	52.61	64.500	231	75.36	32.300	356	98.11	32.300	481	120.86	32.300
107	52.79	64.500	232	75.54	32.300	357	98.29	32.300	482	121.04	32.300
108	52.97	64.500	233	75.72	32.300	358	98.47	32.300	483	121.22	32.300
109	53.16	64.500	234	75.91	32.300	359	98.66	32.300	484	121.41	32.300
110	53.34	64.500	235	76.09	32.300	360	98.84	32.300	485	121.59	32.300
111	53.52	64.500	236	76.27	32.300	361	99.02	32.300	486	121.77	32.300
112	53.70	64.500	237	76.45	32.300	362	99.20	32.300	487	121.95	32.300
113	53.88	64.500	238	76.63	32.300	363	99.38	32.300	488	122.13	32.300
114	54.07	64.500	239	76.82	32.300	364	99.57	32.300	489	122.32	32.300
115	54.25	64.500	240	77.00	32.300	365	99.75	32.300	490	122.50	32.300
116	54.43	64.500	241	77.18	32.300	366	99.93	32.300	491	122.68	32.300
117	54.61	64.500	242	77.36	32.300	367	100.11	32.300	492	122.86	32.300
118	54.79	64.500	243	77.54	32.300	368	100.29	32.300	493	123.04	32.300
119	54.98	64.500	244	77.73	32.300	369	100.48	32.300	494	123.23	32.300
120	55.16	64.500	245	77.91	32.300	370	100.66	32.300	495	123.41	32.300
121	55.34	64.500	246	78.09	32.300	371	100.84	32.300	496	123.59	32.300
122	55.52	64.500	247	78.27	32.300	372	101.02	32.300	497	123.77	32.300
123	55.70	64.500	248	78.45	32.300	373	101.20	32.300	498	123.95	32.300

124	55.89	64.500	249	78.64	32.300	374	101.39	32.300	499	124.14	32.300
125	56.07	64.500	250	78.82	32.300	375	101.57	32.300	500	124.32	32.300

0********** CBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.144	127	56.34	.144	252	79.09	.138	377	101.84	.138
2	33.59	.144	128	56.52	.144	253	79.27	.138	378	102.02	.138
3	33.77	.144	129	56.70	.144	254	79.45	.138	379	102.20	.138
4	33.95	.144	130	56.89	.144	255	79.64	.138	380	102.39	.138
5	34.14	.144	131	57.07	.144	256	79.82	.138	381	102.57	.138
6	34.32	.144	132	57.25	.144	257	80.00	.138	382	102.75	.138
7	34.50	.144	133	57.43	.144	258	80.18	.138	383	102.93	.138
8	34.68	.144	134	57.61	.144	259	80.36	.138	384	103.11	.138
9	34.86	.144	135	57.80	.144	260	80.55	.138	385	103.30	.138
10	35.05	.144	136	57.98	.144	261	80.73	.138	386	103.48	.138
11	35.23	.144	137	58.16	.144	262	80.91	.138	387	103.66	.138
12	35.41	.144	138	58.34	.144	263	81.09	.138	388	103.84	.138
13	35.59	.144	139	58.52	.144	264	81.27	.138	389	104.02	.138
14	35.77	.144	140	58.71	.144	265	81.46	.138	390	104.21	.138
15	35.96	.144	141	58.89	.144	266	81.64	.138	391	104.39	.138
16	36.14	.144	142	59.07	.144	267	81.82	.138	392	104.57	.138
17	36.32	.144	143	59.25	.144	268	82.00	.138	393	104.75	.138
18	36.50	.144	144	59.43	.144	269	82.18	.138	394	104.93	.138
19	36.68	.144	145	59.62	.144	270	82.37	.138	395	105.12	.138
20	36.87	.144	146	59.80	.144	271	82.55	.138	396	105.30	.138
21	37.05	.144	147	59.98	.144	272	82.73	.138	397	105.48	.138
22	37.23	.144	148	60.16	.144	273	82.91	.138	398	105.66	.138
23	37.41	.144	149	60.34	.144	274	83.09	.138	399	105.84	.138
24	37.59	.144	150	60.53	.144	275	83.28	.138	400	106.03	.138
25	37.78	.144	151	60.71	.144	276	83.46	.138	401	106.21	.138
26	37.96	.144	152	60.89	.144	277	83.64	.138	402	106.39	.138
27	38.14	.144	153	61.07	.144	278	83.82	.138	403	106.57	.138
28	38.32	.144	154	61.25	.144	279	84.00	.138	404	106.75	.138
29	38.50	.144	155	61.44	.144	280	84.19	.138	405	106.94	.138
30	38.69	.144	156	61.62	.144	281	84.37	.138	406	107.12	.138
31	38.87	.144	157	61.80	.144	282	84.55	.138	407	107.30	.138
32	39.05	.144	158	61.98	.144	283	84.73	.138	408	107.48	.138
33	39.23	.144	159	62.16	.144	284	84.91	.138	409	107.66	.138
34	39.41	.144	160	62.35	.144	285	85.10	.138	410	107.85	.138
35	39.60	.144	161	62.53	.144	286	85.28	.138	411	108.03	.138
36	39.78	.144	162	62.71	.144	287	85.46	.138	412	108.21	.138
37	39.96	.144	163	62.89	.144	288	85.64	.138	413	108.39	.138
38	40.14	.144	164	63.07	.144	289	85.82	.138	414	108.57	.138
39	40.32	.144	165	63.26	.144	290	86.01	.138	415	108.76	.138
40	40.51	.144	166	63.44	.144	291	86.19	.138	416	108.94	.138
41	40.69	.144	167	63.62	.144	292	86.37	.138	417	109.12	.138
42	40.87	.144	168	63.80	.144	293	86.55	.138	418	109.30	.138
43	41.05	.144	169	63.98	.144	294	86.73	.138	419	109.48	.138
44	41.23	.144	170	64.17	.144	295	86.92	.138	420	109.67	.138
45	41.42	.144	171	64.35	.144	296	87.10	.138	421	109.85	.138
46	41.60	.144	172	64.53	.144	297	87.28	.138	422	110.03	.138
47	41.78	.144	173	64.71	.144	298	87.46	.138	423	110.21	.138

48	41.96	.144	174	64.89	.144	299	87.64	.138	424	110.39	.138
49	42.14	.144	175	65.08	.144	300	87.83	.138	425	110.58	.138
50	42.33	.144	176	65.26	.144	301	88.01	.138	426	110.76	.138
51	42.51	.144	177	65.44	.144	302	88.19	.138	427	110.94	.138
52	42.69	.144	178	65.62	.144	303	88.37	.138	428	111.12	.138
53	42.87	.144	179	65.80	.144	304	88.55	.138	429	111.30	.138
54	43.05	.144	180	65.99	.144	305	88.74	.138	430	111.49	.138
55	43.24	.144	181	66.17	.144	306	88.92	.138	431	111.67	.138
56	43.42	.144	182	66.35	.144	307	89.10	.138	432	111.85	.138
57	43.60	.144	183	66.53	.144	308	89.28	.138	433	112.03	.138
58	43.78	.144	184	66.71	.144	309	89.46	.138	434	112.21	.138
59	43.96	.144	185	66.90	.144	310	89.65	.138	435	112.40	.138
60	44.15	.144	186	67.08	.144	311	89.83	.138	436	112.58	.138
61	44.33	.144	187	67.26	.144	312	90.01	.138	437	112.76	.138
62	44.51	.144	188	67.44	.144	313	90.19	.138	438	112.94	.138
63	44.69	.144	189	67.62	.144	314	90.37	.138	439	113.12	.138
64	44.87	.144	190	67.81	.144	315	90.56	.138	440	113.31	.138
65	45.06	.144	191	67.99	.144	316	90.74	.138	441	113.49	.138
66	45.24	.144	192	68.17	.144	317	90.92	.138	442	113.67	.138
67	45.42	.144	193	68.35	.144	318	91.10	.138	443	113.85	.138
68	45.60	.144	194	68.53	.144	319	91.28	.138	444	114.03	.138
69	45.78	.144	195	68.72	.144	320	91.47	.138	445	114.22	.138
70	45.97	.144	196	68.90	.144	321	91.65	.138	446	114.40	.138
71	46.15	.144	197	69.08	.144	322	91.83	.138	447	114.58	.138
72	46.33	.144	198	69.26	.144	323	92.01	.138	448	114.76	.138
73	46.51	.144	199	69.44	.144	324	92.19	.138	449	114.94	.138
74	46.69	.144	200	69.63	.144	325	92.38	.138	450	115.13	.138
75	46.88	.144	201	69.81	.144	326	92.56	.138	451	115.31	.138
76	47.06	.144	202	69.99	.144	327	92.74	.138	452	115.49	.138
77	47.24	.144	203	70.17	.144	328	92.92	.138	453	115.67	.138
78	47.42	.144	204	70.35	.144	329	93.10	.138	454	115.85	.138
79	47.60	.144	205	70.54	.144	330	93.29	.138	455	116.04	.138
80	47.79	.144	206	70.72	.143	331	93.47	.138	456	116.22	.138
81	47.97	.144	207	70.90	.142	332	93.65	.138	457	116.40	.138
82	48.15	.144	208	71.08	.140	333	93.83	.138	458	116.58	.138
83	48.33	.144	209	71.26	.139	334	94.01	.138	459	116.76	.138
84	48.51	.144	210	71.45	.138	335	94.20	.138	460	116.95	.138
85	48.70	.144	211	71.63	.138	336	94.38	.138	461	117.13	.138
86	48.88	.144	212	71.81	.138	337	94.56	.138	462	117.31	.138
87	49.06	.144	213	71.99	.138	338	94.74	.138	463	117.49	.138
88	49.24	.144	214	72.17	.138	339	94.92	.138	464	117.67	.138
89	49.42	.144	215	72.36	.138	340	95.11	.138	465	117.86	.138
90	49.61	.144	216	72.54	.138	341	95.29	.138	466	118.04	.138
91	49.79	.144	217	72.72	.138	342	95.47	.138	467	118.22	.138
92	49.97	.144	218	72.90	.138	343	95.65	.138	468	118.40	.138
93	50.15	.144	219	73.08	.138	344	95.83	.138	469	118.58	.138
94	50.33	.144	220	73.27	.138	345	96.02	.138	470	118.77	.138
95	50.52	.144	221	73.45	.138	346	96.20	.138	471	118.95	.138
96	50.70	.144	222	73.63	.138	347	96.38	.138	472	119.13	.138
97	50.88	.144	223	73.81	.138	348	96.56	.138	473	119.31	.138
98	51.06	.144	224	73.99	.138	349	96.74	.138	474	119.49	.138
99	51.24	.144	225	74.18	.138	350	96.93	.138	475	119.68	.138

100	51.43	.144	226	74.36	.138	351	97.11	.138	476	119.86	.138
101	51.61	.144	227	74.54	.138	352	97.29	.138	477	120.04	.138
102	51.79	.144	228	74.72	.138	353	97.47	.138	478	120.22	.138
103	51.97	.144	229	74.90	.138	354	97.65	.138	479	120.40	.138
104	52.15	.144	230	75.09	.138	355	97.84	.138	480	120.59	.138
105	52.34	.144	231	75.27	.138	356	98.02	.138	481	120.77	.138
106	52.52	.144	232	75.45	.138	357	98.20	.138	482	120.95	.138
107	52.70	.144	233	75.63	.138	358	98.38	.138	483	121.13	.138
108	52.88	.144	234	75.81	.138	359	98.56	.138	484	121.31	.138
109	53.06	.144	235	76.00	.138	360	98.75	.138	485	121.50	.138
110	53.25	.144	236	76.18	.138	361	98.93	.138	486	121.68	.138
111	53.43	.144	237	76.36	.138	362	99.11	.138	487	121.86	.138
112	53.61	.144	238	76.54	.138	363	99.29	.138	488	122.04	.138
113	53.79	.144	239	76.72	.138	364	99.47	.138	489	122.22	.138
114	53.97	.144	240	76.91	.138	365	99.66	.138	490	122.41	.138
115	54.16	.144	241	77.09	.138	366	99.84	.138	491	122.59	.138
116	54.34	.144	242	77.27	.138	367	100.02	.138	492	122.77	.138
117	54.52	.144	243	77.45	.138	368	100.20	.138	493	122.95	.138
118	54.70	.144	244	77.63	.138	369	100.38	.138	494	123.13	.138
119	54.88	.144	245	77.82	.138	370	100.57	.138	495	123.32	.138
120	55.07	.144	246	78.00	.138	371	100.75	.138	496	123.50	.138
121	55.25	.144	247	78.18	.138	372	100.93	.138	497	123.68	.138
122	55.43	.144	248	78.36	.138	373	101.11	.138	498	123.86	.138
123	55.61	.144	249	78.54	.138	374	101.29	.138	499	124.04	.138
124	55.79	.144	250	78.73	.138	375	101.48	.138	500	124.23	.138
125	55.98	.144	251	78.91	.138	376	101.66	.138	501	124.41	.138
126	56.16	.144									

0********** CBOD SEDIMENTATION RATES - (1/DAY)
****

ALL VALUES = 0.000E+00

0********** NBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.042	127	56.34	.042	252	79.09	.039	377	101.84	.039
2	33.59	.042	128	56.52	.042	253	79.27	.039	378	102.02	.039
3	33.77	.042	129	56.70	.042	254	79.45	.039	379	102.20	.039
4	33.95	.042	130	56.89	.042	255	79.64	.039	380	102.39	.039
5	34.14	.042	131	57.07	.042	256	79.82	.039	381	102.57	.039
6	34.32	.042	132	57.25	.042	257	80.00	.039	382	102.75	.039
7	34.50	.042	133	57.43	.042	258	80.18	.039	383	102.93	.039
8	34.68	.042	134	57.61	.042	259	80.36	.039	384	103.11	.039
9	34.86	.042	135	57.80	.042	260	80.55	.039	385	103.30	.039
10	35.05	.042	136	57.98	.042	261	80.73	.039	386	103.48	.039
11	35.23	.042	137	58.16	.042	262	80.91	.039	387	103.66	.039
12	35.41	.042	138	58.34	.042	263	81.09	.039	388	103.84	.039
13	35.59	.042	139	58.52	.042	264	81.27	.039	389	104.02	.039
14	35.77	.042	140	58.71	.042	265	81.46	.039	390	104.21	.039
15	35.96	.042	141	58.89	.042	266	81.64	.039	391	104.39	.039
16	36.14	.042	142	59.07	.042	267	81.82	.039	392	104.57	.039
17	36.32	.042	143	59.25	.042	268	82.00	.039	393	104.75	.039
18	36.50	.042	144	59.43	.042	269	82.18	.039	394	104.93	.039
19	36.68	.042	145	59.62	.042	270	82.37	.039	395	105.12	.039

20	36.87	.042	146	59.80	.042	271	82.55	.039	396	105.30	.039
21	37.05	.042	147	59.98	.042	272	82.73	.039	397	105.48	.039
22	37.23	.042	148	60.16	.042	273	82.91	.039	398	105.66	.039
23	37.41	.042	149	60.34	.042	274	83.09	.039	399	105.84	.039
24	37.59	.042	150	60.53	.042	275	83.28	.039	400	106.03	.039
25	37.78	.042	151	60.71	.042	276	83.46	.039	401	106.21	.039
26	37.96	.042	152	60.89	.042	277	83.64	.039	402	106.39	.039
27	38.14	.042	153	61.07	.042	278	83.82	.039	403	106.57	.039
28	38.32	.042	154	61.25	.042	279	84.00	.039	404	106.75	.039
29	38.50	.042	155	61.44	.042	280	84.19	.039	405	106.94	.039
30	38.69	.042	156	61.62	.042	281	84.37	.039	406	107.12	.039
31	38.87	.042	157	61.80	.042	282	84.55	.039	407	107.30	.039
32	39.05	.042	158	61.98	.042	283	84.73	.039	408	107.48	.039
33	39.23	.042	159	62.16	.042	284	84.91	.039	409	107.66	.039
34	39.41	.042	160	62.35	.042	285	85.10	.039	410	107.85	.039
35	39.60	.042	161	62.53	.042	286	85.28	.039	411	108.03	.039
36	39.78	.042	162	62.71	.042	287	85.46	.039	412	108.21	.039
37	39.96	.042	163	62.89	.042	288	85.64	.039	413	108.39	.039
38	40.14	.042	164	63.07	.042	289	85.82	.039	414	108.57	.039
39	40.32	.042	165	63.26	.042	290	86.01	.039	415	108.76	.039
40	40.51	.042	166	63.44	.042	291	86.19	.039	416	108.94	.039
41	40.69	.042	167	63.62	.042	292	86.37	.039	417	109.12	.039
42	40.87	.042	168	63.80	.042	293	86.55	.039	418	109.30	.039
43	41.05	.042	169	63.98	.042	294	86.73	.039	419	109.48	.039
44	41.23	.042	170	64.17	.042	295	86.92	.039	420	109.67	.039
45	41.42	.042	171	64.35	.042	296	87.10	.039	421	109.85	.039
46	41.60	.042	172	64.53	.042	297	87.28	.039	422	110.03	.039
47	41.78	.042	173	64.71	.042	298	87.46	.039	423	110.21	.039
48	41.96	.042	174	64.89	.042	299	87.64	.039	424	110.39	.039
49	42.14	.042	175	65.08	.042	300	87.83	.039	425	110.58	.039
50	42.33	.042	176	65.26	.042	301	88.01	.039	426	110.76	.039
51	42.51	.042	177	65.44	.042	302	88.19	.039	427	110.94	.039
52	42.69	.042	178	65.62	.042	303	88.37	.039	428	111.12	.039
53	42.87	.042	179	65.80	.042	304	88.55	.039	429	111.30	.039
54	43.05	.042	180	65.99	.042	305	88.74	.039	430	111.49	.039
55	43.24	.042	181	66.17	.042	306	88.92	.039	431	111.67	.039
56	43.42	.042	182	66.35	.042	307	89.10	.039	432	111.85	.039
57	43.60	.042	183	66.53	.042	308	89.28	.039	433	112.03	.039
58	43.78	.042	184	66.71	.042	309	89.46	.039	434	112.21	.039
59	43.96	.042	185	66.90	.042	310	89.65	.039	435	112.40	.039
60	44.15	.042	186	67.08	.042	311	89.83	.039	436	112.58	.039
61	44.33	.042	187	67.26	.042	312	90.01	.039	437	112.76	.039
62	44.51	.042	188	67.44	.042	313	90.19	.039	438	112.94	.039
63	44.69	.042	189	67.62	.042	314	90.37	.039	439	113.12	.039
64	44.87	.042	190	67.81	.042	315	90.56	.039	440	113.31	.039
65	45.06	.042	191	67.99	.042	316	90.74	.039	441	113.49	.039
66	45.24	.042	192	68.17	.042	317	90.92	.039	442	113.67	.039
67	45.42	.042	193	68.35	.042	318	91.10	.039	443	113.85	.039
68	45.60	.042	194	68.53	.042	319	91.28	.039	444	114.03	.039
69	45.78	.042	195	68.72	.042	320	91.47	.039	445	114.22	.039
70	45.97	.042	196	68.90	.042	321	91.65	.039	446	114.40	.039
71	46.15	.042	197	69.08	.042	322	91.83	.039	447	114.58	.039

72	46.33	.042	198	69.26	.042	323	92.01	.039	448	114.76	.039
73	46.51	.042	199	69.44	.042	324	92.19	.039	449	114.94	.039
74	46.69	.042	200	69.63	.042	325	92.38	.039	450	115.13	.039
75	46.88	.042	201	69.81	.042	326	92.56	.039	451	115.31	.039
76	47.06	.042	202	69.99	.042	327	92.74	.039	452	115.49	.039
77	47.24	.042	203	70.17	.042	328	92.92	.039	453	115.67	.039
78	47.42	.042	204	70.35	.042	329	93.10	.039	454	115.85	.039
79	47.60	.042	205	70.54	.042	330	93.29	.039	455	116.04	.039
80	47.79	.042	206	70.72	.041	331	93.47	.039	456	116.22	.039
81	47.97	.042	207	70.90	.041	332	93.65	.039	457	116.40	.039
82	48.15	.042	208	71.08	.040	333	93.83	.039	458	116.58	.039
83	48.33	.042	209	71.26	.039	334	94.01	.039	459	116.76	.039
84	48.51	.042	210	71.45	.039	335	94.20	.039	460	116.95	.039
85	48.70	.042	211	71.63	.039	336	94.38	.039	461	117.13	.039
86	48.88	.042	212	71.81	.039	337	94.56	.039	462	117.31	.039
87	49.06	.042	213	71.99	.039	338	94.74	.039	463	117.49	.039
88	49.24	.042	214	72.17	.039	339	94.92	.039	464	117.67	.039
89	49.42	.042	215	72.36	.039	340	95.11	.039	465	117.86	.039
90	49.61	.042	216	72.54	.039	341	95.29	.039	466	118.04	.039
91	49.79	.042	217	72.72	.039	342	95.47	.039	467	118.22	.039
92	49.97	.042	218	72.90	.039	343	95.65	.039	468	118.40	.039
93	50.15	.042	219	73.08	.039	344	95.83	.039	469	118.58	.039
94	50.33	.042	220	73.27	.039	345	96.02	.039	470	118.77	.039
95	50.52	.042	221	73.45	.039	346	96.20	.039	471	118.95	.039
96	50.70	.042	222	73.63	.039	347	96.38	.039	472	119.13	.039
97	50.88	.042	223	73.81	.039	348	96.56	.039	473	119.31	.039
98	51.06	.042	224	73.99	.039	349	96.74	.039	474	119.49	.039
99	51.24	.042	225	74.18	.039	350	96.93	.039	475	119.68	.039
100	51.43	.042	226	74.36	.039	351	97.11	.039	476	119.86	.039
101	51.61	.042	227	74.54	.039	352	97.29	.039	477	120.04	.039
102	51.79	.042	228	74.72	.039	353	97.47	.039	478	120.22	.039
103	51.97	.042	229	74.90	.039	354	97.65	.039	479	120.40	.039
104	52.15	.042	230	75.09	.039	355	97.84	.039	480	120.59	.039
105	52.34	.042	231	75.27	.039	356	98.02	.039	481	120.77	.039
106	52.52	.042	232	75.45	.039	357	98.20	.039	482	120.95	.039
107	52.70	.042	233	75.63	.039	358	98.38	.039	483	121.13	.039
108	52.88	.042	234	75.81	.039	359	98.56	.039	484	121.31	.039
109	53.06	.042	235	76.00	.039	360	98.75	.039	485	121.50	.039
110	53.25	.042	236	76.18	.039	361	98.93	.039	486	121.68	.039
111	53.43	.042	237	76.36	.039	362	99.11	.039	487	121.86	.039
112	53.61	.042	238	76.54	.039	363	99.29	.039	488	122.04	.039
113	53.79	.042	239	76.72	.039	364	99.47	.039	489	122.22	.039
114	53.97	.042	240	76.91	.039	365	99.66	.039	490	122.41	.039
115	54.16	.042	241	77.09	.039	366	99.84	.039	491	122.59	.039
116	54.34	.042	242	77.27	.039	367	100.02	.039	492	122.77	.039
117	54.52	.042	243	77.45	.039	368	100.20	.039	493	122.95	.039
118	54.70	.042	244	77.63	.039	369	100.38	.039	494	123.13	.039
119	54.88	.042	245	77.82	.039	370	100.57	.039	495	123.32	.039
120	55.07	.042	246	78.00	.039	371	100.75	.039	496	123.50	.039
121	55.25	.042	247	78.18	.039	372	100.93	.039	497	123.68	.039
122	55.43	.042	248	78.36	.039	373	101.11	.039	498	123.86	.039
123	55.61	.042	249	78.54	.039	374	101.29	.039	499	124.04	.039

124	55.79	.042	250	78.73	.039	375	101.48	.039	500	124.23	.039
125	55.98	.042	251	78.91	.039	376	101.66	.039	501	124.41	.039
126	56.16	.042									

0********** NBOD SEDIMENTATION RATES -
(1/DAY),5X**********
ALL VALUES = 0.000E+00
0********** NONPOINT SOURCE FLOW (CFS/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** NBOD NONPOINT SOURCE CONTRIBUTION (LBS NBOD/DAY/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** CBOD NONPOINT SOURCE CONTRIBUTION (LBS CBOD/DAY/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** O2 NONPOINT SOURCE CONTRIBUTIONS (LBS O2/DAY/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** AVERAGE DAILY PHOTOSYNTHESIS-RESPIRATION RATE (GM O2/SQM/DAY) CORRECTED TO STREAM TEMPERATURES *****
ALL VALUES = 0.000E+00
1**********
****
********** DEPTH OR VELOCITY DEPENDENT VARIABLES **********
****
****
0********** CROSSECTIONAL AREAS OF JUNCT*NS (SQFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	4373.700	127	56.34	1553.972	252	79.09	1370.081	377	101.84	1191.324
2	33.59	4297.894	128	56.52	1546.990	253	79.27	1363.998	378	102.02	1189.440
3	33.77	4146.581	129	56.70	1538.045	254	79.45	1357.926	379	102.20	1187.556
4	33.95	3995.667	130	56.89	1529.027	255	79.64	1351.865	380	102.39	1185.673
5	34.14	3845.152	131	57.07	1519.934	256	79.82	1345.814	381	102.57	1183.868
6	34.32	3695.037	132	57.25	1510.767	257	80.00	1339.773	382	102.75	1182.194
7	34.50	3545.319	133	57.43	1501.526	258	80.18	1333.744	383	102.93	1180.519
8	34.68	3395.481	134	57.61	1493.425	259	80.36	1327.725	384	103.11	1178.845
9	34.86	3246.088	135	57.80	1485.967	260	80.55	1322.335	385	103.30	1177.170
10	35.05	3097.138	136	57.98	1478.446	261	80.73	1318.740	386	103.48	1175.496
11	35.23	2948.632	137	58.16	1470.862	262	80.91	1315.150	387	103.66	1182.395
12	35.41	2800.570	138	58.34	1463.213	263	81.09	1311.565	388	103.84	1190.412
13	35.59	2653.161	139	58.52	1455.235	264	81.27	1307.984	389	104.02	1198.409
14	35.77	2506.364	140	58.71	1445.503	265	81.46	1304.408	390	104.21	1206.386
15	35.96	2359.966	141	58.89	1435.698	266	81.64	1299.013	391	104.39	1214.343
16	36.14	2213.968	142	59.07	1425.818	267	81.82	1293.061	392	104.57	1223.084
17	36.32	2068.369	143	59.25	1415.864	268	82.00	1287.119	393	104.75	1233.069
18	36.50	1924.246	144	59.43	1405.836	269	82.18	1281.188	394	104.93	1243.034
19	36.68	1844.905	145	59.62	1397.006	270	82.37	1275.267	395	105.12	1252.979
20	36.87	1765.802	146	59.80	1388.820	271	82.55	1269.357	396	105.30	1262.905
21	37.05	1686.937	147	59.98	1380.570	272	82.73	1263.457	397	105.48	1272.810
22	37.23	1608.311	148	60.16	1372.257	273	82.91	1257.568	398	105.66	1280.233
23	37.41	1529.924	149	60.34	1363.880	274	83.09	1251.690	399	105.84	1287.360
24	37.59	1488.133	150	60.53	1355.143	275	83.28	1245.822	400	106.03	1294.485
25	37.78	1479.721	151	60.71	1344.624	276	83.46	1239.965	401	106.21	1301.606
26	37.96	1471.327	152	60.89	1334.032	277	83.64	1234.118	402	106.39	1308.725
27	38.14	1462.951	153	61.07	1323.365	278	83.82	1228.282	403	106.57	1314.323
28	38.32	1454.593	154	61.25	1312.624	279	84.00	1222.457	404	106.75	1317.635

29	38.50	1446.246	155	61.44	1301.808	280	84.19	1216.642	405	106.94	1320.948
30	38.69	1437.695	156	61.62	1293.858	281	84.37	1210.838	406	107.12	1324.260
31	38.87	1429.164	157	61.80	1287.407	282	84.55	1205.645	407	107.30	1327.572
32	39.05	1420.653	158	61.98	1280.896	283	84.73	1202.011	408	107.48	1330.885
33	39.23	1412.162	159	62.16	1274.325	284	84.91	1198.382	409	107.66	1334.197
34	39.41	1403.691	160	62.35	1267.695	285	85.10	1194.759	410	107.85	1337.510
35	39.60	1394.256	161	62.53	1261.397	286	85.28	1191.141	411	108.03	1340.822
36	39.78	1383.981	162	62.71	1257.125	287	85.46	1187.528	412	108.21	1344.134
37	39.96	1373.730	163	62.89	1252.800	288	85.64	1182.388	413	108.39	1347.447
38	40.14	1363.503	164	63.07	1248.423	289	85.82	1176.836	414	108.57	1350.759
39	40.32	1353.300	165	63.26	1243.992	290	86.01	1171.294	415	108.76	1354.072
40	40.51	1343.348	166	63.44	1239.508	291	86.19	1165.761	416	108.94	1357.384
41	40.69	1339.131	167	63.62	1233.441	292	86.37	1160.237	417	109.12	1360.696
42	40.87	1334.921	168	63.80	1226.539	293	86.55	1156.466	418	109.30	1364.009
43	41.05	1330.717	169	63.98	1219.574	294	86.73	1156.965	419	109.48	1367.321
44	41.23	1326.520	170	64.17	1212.547	295	86.92	1157.459	420	109.67	1370.633
45	41.42	1322.330	171	64.35	1205.456	296	87.10	1157.946	421	109.85	1373.946
46	41.60	1319.369	172	64.53	1198.665	297	87.28	1158.428	422	110.03	1377.258
47	41.78	1317.436	173	64.71	1193.598	298	87.46	1158.903	423	110.21	1380.571
48	41.96	1315.503	174	64.89	1188.479	299	87.64	1166.223	424	110.39	1383.883
49	42.14	1313.571	175	65.08	1183.311	300	87.83	1175.279	425	110.58	1387.195
50	42.33	1311.638	176	65.26	1178.092	301	88.01	1184.309	426	110.76	1390.508
51	42.51	1309.694	177	65.44	1172.823	302	88.19	1193.313	427	110.94	1393.820
52	42.69	1307.547	178	65.62	1166.032	303	88.37	1202.290	428	111.12	1397.133
53	42.87	1305.399	179	65.80	1158.473	304	88.55	1211.183	429	111.30	1400.445
54	43.05	1303.251	180	65.99	1150.850	305	88.74	1219.913	430	111.49	1403.757
55	43.24	1301.104	181	66.17	1143.165	306	88.92	1228.614	431	111.67	1407.070
56	43.42	1298.956	182	66.35	1135.416	307	89.10	1237.284	432	111.85	1410.382
57	43.60	1296.928	183	66.53	1128.004	308	89.28	1245.925	433	112.03	1413.694
58	43.78	1294.995	184	66.71	1122.348	309	89.46	1254.536	434	112.21	1417.007
59	43.96	1293.062	185	66.90	1116.641	310	89.65	1263.117	435	112.40	1420.319
60	44.15	1291.129	186	67.08	1110.884	311	89.83	1271.669	436	112.58	1423.632
61	44.33	1289.197	187	67.26	1105.077	312	90.01	1280.190	437	112.76	1426.944
62	44.51	1287.264	188	67.44	1099.219	313	90.19	1288.682	438	112.94	1430.256
63	44.69	1285.331	189	67.62	1091.769	314	90.37	1297.144	439	113.12	1433.569
64	44.87	1283.398	190	67.81	1083.552	315	90.56	1302.363	440	113.31	1436.881
65	45.06	1281.465	191	67.99	1075.272	316	90.74	1300.479	441	113.49	1440.194
66	45.24	1279.532	192	68.17	1066.928	317	90.92	1298.595	442	113.67	1449.191
67	45.42	1277.599	193	68.35	1058.522	318	91.10	1296.712	443	113.85	1458.593
68	45.60	1275.545	194	68.53	1051.100	319	91.28	1294.828	444	114.03	1468.023
69	45.78	1273.398	195	68.72	1048.062	320	91.47	1292.944	445	114.22	1477.480
70	45.97	1271.250	196	68.90	1045.011	321	91.65	1291.231	446	114.40	1486.966
71	46.15	1269.103	197	69.08	1041.947	322	91.83	1289.557	447	114.58	1497.385
72	46.33	1266.955	198	69.26	1038.870	323	92.01	1287.883	448	114.76	1508.977
73	46.51	1264.684	199	69.44	1035.779	324	92.19	1286.208	449	114.94	1520.606
74	46.69	1260.803	200	69.63	1034.840	325	92.38	1284.534	450	115.13	1532.272
75	46.88	1256.929	201	69.81	1034.840	326	92.56	1282.792	451	115.31	1543.975
76	47.06	1253.060	202	69.99	1034.840	327	92.74	1280.908	452	115.49	1555.716
77	47.24	1249.198	203	70.17	1034.840	328	92.92	1279.025	453	115.67	1569.458
78	47.42	1245.341	204	70.35	1034.840	329	93.10	1277.141	454	115.85	1583.354
79	47.60	1244.711	205	70.54	1035.807	330	93.29	1275.257	455	116.04	1597.296
80	47.79	1246.437	206	70.72	1040.582	331	93.47	1273.373	456	116.22	1611.284

81	47.97	1248.149	207	70.90	1045.358	332	93.65	1271.663	457	116.40	1625.319
82	48.15	1249.848	208	71.08	1050.134	333	93.83	1269.989	458	116.58	1639.400
83	48.33	1251.534	209	71.26	1054.909	334	94.01	1268.314	459	116.76	1653.527
84	48.51	1250.709	210	71.45	1059.685	335	94.20	1266.640	460	116.95	1667.701
85	48.70	1221.978	211	71.63	1068.777	336	94.38	1264.966	461	117.13	1681.921
86	48.88	1193.330	212	71.81	1079.633	337	94.56	1263.221	462	117.31	1696.187
87	49.06	1164.766	213	71.99	1090.469	338	94.74	1261.338	463	117.49	1710.500
88	49.24	1136.286	214	72.17	1101.285	339	94.92	1259.454	464	117.67	1722.822
89	49.42	1107.889	215	72.36	1112.081	340	95.11	1257.570	465	117.86	1735.096
90	49.61	1089.501	216	72.54	1123.256	341	95.29	1255.687	466	118.04	1747.406
91	49.79	1078.126	217	72.72	1135.870	342	95.47	1253.803	467	118.22	1759.754
92	49.97	1066.784	218	72.90	1148.449	343	95.65	1252.095	468	118.40	1772.139
93	50.15	1055.475	219	73.08	1160.992	344	95.83	1250.421	469	118.58	1785.687
94	50.33	1044.199	220	73.27	1173.499	345	96.02	1248.746	470	118.77	1800.577
95	50.52	1032.623	221	73.45	1185.970	346	96.20	1247.072	471	118.95	1815.517
96	50.70	1017.836	222	73.63	1200.077	347	96.38	1245.397	472	119.13	1830.506
97	50.88	1003.092	223	73.81	1214.797	348	96.56	1243.651	473	119.31	1845.545
98	51.06	988.389	224	73.99	1229.476	349	96.74	1241.767	474	119.49	1860.634
99	51.24	973.728	225	74.18	1244.113	350	96.93	1239.883	475	119.68	1875.495
100	51.43	959.108	226	74.36	1258.708	351	97.11	1238.000	476	119.86	1890.395
101	51.61	939.969	227	74.54	1272.142	352	97.29	1236.116	477	120.04	1905.340
102	51.79	917.836	228	74.72	1281.671	353	97.47	1234.232	478	120.22	1920.332
103	51.97	895.776	229	74.90	1291.163	354	97.65	1232.527	479	120.40	1935.371
104	52.15	873.789	230	75.09	1300.619	355	97.84	1230.852	480	120.59	1950.456
105	52.34	851.875	231	75.27	1310.038	356	98.02	1229.178	481	120.77	1965.587
106	52.52	835.040	232	75.45	1319.421	357	98.20	1227.503	482	120.95	1980.764
107	52.70	861.352	233	75.63	1330.438	358	98.38	1225.829	483	121.13	1995.988
108	52.88	887.575	234	75.81	1342.030	359	98.56	1224.080	484	121.31	2011.259
109	53.06	913.708	235	76.00	1353.578	360	98.75	1222.197	485	121.50	2026.575
110	53.25	939.752	236	76.18	1365.083	361	98.93	1220.313	486	121.68	2039.753
111	53.43	965.707	237	76.36	1376.545	362	99.11	1218.429	487	121.86	2052.926
112	53.61	1047.230	238	76.54	1386.407	363	99.29	1216.545	488	122.04	2066.137
113	53.79	1164.408	239	76.72	1391.187	364	99.47	1214.662	489	122.22	2079.385
114	53.97	1281.587	240	76.91	1395.946	365	99.66	1212.958	490	122.41	2092.669
115	54.16	1398.765	241	77.09	1400.685	366	99.84	1211.284	491	122.59	2107.086
116	54.34	1515.943	242	77.27	1405.405	367	100.02	1209.609	492	122.77	2122.702
117	54.52	1618.936	243	77.45	1410.105	368	100.20	1207.935	493	122.95	2138.365
118	54.70	1612.600	244	77.63	1408.423	369	100.38	1206.261	494	123.13	2154.073
119	54.88	1606.200	245	77.82	1404.517	370	100.57	1204.510	495	123.32	2169.828
120	55.07	1599.736	246	78.00	1400.615	371	100.75	1202.626	496	123.50	2185.629
121	55.25	1593.209	247	78.18	1396.720	372	100.93	1200.742	497	123.68	2201.477
122	55.43	1586.619	248	78.36	1392.829	373	101.11	1198.859	498	123.86	2217.371
123	55.61	1580.139	249	78.54	1388.393	374	101.29	1196.975	499	124.04	2233.311
124	55.79	1573.698	250	78.73	1382.278	375	101.48	1195.091	500	124.23	2249.298
125	55.98	1567.191	251	78.91	1376.174	376	101.66	1193.207	501	124.41	2265.331
126	56.16	1560.615									

0********** JUNCT*N DEPTHS (FT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	36.600	127	56.34	14.995	252	79.09	11.182	377	101.84	11.500
2	33.59	35.990	128	56.52	14.884	253	79.27	11.145	378	102.02	11.500
3	33.77	34.771	129	56.70	14.757	254	79.45	11.109	379	102.20	11.500

4	33.95	33.552	130	56.89	14.629	255	79.64	11.073	380	102.39	11.500
5	34.14	32.332	131	57.07	14.502	256	79.82	11.036	381	102.57	11.500
6	34.32	31.113	132	57.25	14.374	257	80.00	11.000	382	102.75	11.500
7	34.50	29.893	133	57.43	14.247	258	80.18	10.963	383	102.93	11.500
8	34.68	28.674	134	57.61	14.131	259	80.36	10.927	384	103.11	11.500
9	34.86	27.455	135	57.80	14.022	260	80.55	10.895	385	103.30	11.500
10	35.05	26.235	136	57.98	13.913	261	80.73	10.877	386	103.48	11.500
11	35.23	25.016	137	58.16	13.803	262	80.91	10.859	387	103.66	11.580
12	35.41	23.796	138	58.34	13.694	263	81.09	10.841	388	103.84	11.671
13	35.59	22.577	139	58.52	13.583	264	81.27	10.823	389	104.02	11.762
14	35.77	21.358	140	58.71	13.455	265	81.46	10.804	390	104.21	11.853
15	35.96	20.138	141	58.89	13.328	266	81.64	10.772	391	104.39	11.944
16	36.14	18.919	142	59.07	13.200	267	81.82	10.736	392	104.57	12.042
17	36.32	17.699	143	59.25	13.073	268	82.00	10.699	393	104.75	12.152
18	36.50	16.489	144	59.43	12.946	269	82.18	10.663	394	104.93	12.261
19	36.68	15.834	145	59.62	12.830	270	82.37	10.627	395	105.12	12.370
20	36.87	15.179	146	59.80	12.721	271	82.55	10.590	396	105.30	12.479
21	37.05	14.524	147	59.98	12.611	272	82.73	10.554	397	105.48	12.588
22	37.23	13.868	148	60.16	12.502	273	82.91	10.517	398	105.66	12.665
23	37.41	13.213	149	60.34	12.393	274	83.09	10.481	399	105.84	12.738
24	37.59	12.872	150	60.53	12.281	275	83.28	10.445	400	106.03	12.811
25	37.78	12.817	151	60.71	12.154	276	83.46	10.408	401	106.21	12.883
26	37.96	12.762	152	60.89	12.026	277	83.64	10.372	402	106.39	12.956
27	38.14	12.708	153	61.07	11.899	278	83.82	10.335	403	106.57	13.000
28	38.32	12.653	154	61.25	11.772	279	84.00	10.299	404	106.75	13.000
29	38.50	12.599	155	61.44	11.644	280	84.19	10.263	405	106.94	13.000
30	38.69	12.544	156	61.62	11.541	281	84.37	10.226	406	107.12	13.000
31	38.87	12.489	157	61.80	11.450	282	84.55	10.195	407	107.30	13.000
32	39.05	12.435	158	61.98	11.359	283	84.73	10.177	408	107.48	13.000
33	39.23	12.380	159	62.16	11.268	284	84.91	10.159	409	107.66	13.000
34	39.41	12.326	160	62.35	11.177	285	85.10	10.140	410	107.85	13.000
35	39.60	12.261	161	62.53	11.088	286	85.28	10.122	411	108.03	13.000
36	39.78	12.188	162	62.71	11.016	287	85.46	10.104	412	108.21	13.000
37	39.96	12.116	163	62.89	10.943	288	85.64	10.071	413	108.39	13.000
38	40.14	12.043	164	63.07	10.870	289	85.82	10.035	414	108.57	13.000
39	40.32	11.970	165	63.26	10.797	290	86.01	9.999	415	108.76	13.000
40	40.51	11.899	166	63.44	10.724	291	86.19	9.962	416	108.94	13.000
41	40.69	11.881	167	63.62	10.640	292	86.37	9.926	417	109.12	13.000
42	40.87	11.863	168	63.80	10.549	293	86.55	9.905	418	109.30	13.000
43	41.05	11.845	169	63.98	10.458	294	86.73	9.923	419	109.48	13.000
44	41.23	11.827	170	64.17	10.367	295	86.92	9.942	420	109.67	13.000
45	41.42	11.808	171	64.35	10.276	296	87.10	9.960	421	109.85	13.000
46	41.60	11.800	172	64.53	10.188	297	87.28	9.978	422	110.03	13.000
47	41.78	11.800	173	64.71	10.115	298	87.46	9.996	423	110.21	13.000
48	41.96	11.800	174	64.89	10.042	299	87.64	10.072	424	110.39	13.000
49	42.14	11.800	175	65.08	9.969	300	87.83	10.163	425	110.58	13.000
50	42.33	11.800	176	65.26	9.896	301	88.01	10.254	426	110.76	13.000
51	42.51	11.800	177	65.44	9.824	302	88.19	10.345	427	110.94	13.000
52	42.69	11.800	178	65.62	9.739	303	88.37	10.436	428	111.12	13.000
53	42.87	11.800	179	65.80	9.648	304	88.55	10.527	429	111.30	13.000
54	43.05	11.800	180	65.99	9.557	305	88.74	10.618	430	111.49	13.000
55	43.24	11.800	181	66.17	9.466	306	88.92	10.709	431	111.67	13.000

56	43.42	11.800	182	66.35	9.375	307	89.10	10.800	432	111.85	13.000
57	43.60	11.800	183	66.53	9.287	308	89.28	10.891	433	112.03	13.000
58	43.78	11.800	184	66.71	9.214	309	89.46	10.982	434	112.21	13.000
59	43.96	11.800	185	66.90	9.141	310	89.65	11.073	435	112.40	13.000
60	44.15	11.800	186	67.08	9.068	311	89.83	11.164	436	112.58	13.000
61	44.33	11.800	187	67.26	8.996	312	90.01	11.255	437	112.76	13.000
62	44.51	11.800	188	67.44	8.923	313	90.19	11.346	438	112.94	13.000
63	44.69	11.800	189	67.62	8.838	314	90.37	11.437	439	113.12	13.000
64	44.87	11.800	190	67.81	8.747	315	90.56	11.500	440	113.31	13.000
65	45.06	11.800	191	67.99	8.656	316	90.74	11.500	441	113.49	13.000
66	45.24	11.800	192	68.17	8.565	317	90.92	11.500	442	113.67	13.051
67	45.42	11.800	193	68.35	8.474	318	91.10	11.500	443	113.85	13.106
68	45.60	11.800	194	68.53	8.393	319	91.28	11.500	444	114.03	13.160
69	45.78	11.800	195	68.72	8.357	320	91.47	11.500	445	114.22	13.215
70	45.97	11.800	196	68.90	8.320	321	91.65	11.500	446	114.40	13.270
71	46.15	11.800	197	69.08	8.284	322	91.83	11.500	447	114.58	13.332
72	46.33	11.800	198	69.26	8.247	323	92.01	11.500	448	114.76	13.405
73	46.51	11.799	199	69.44	8.211	324	92.19	11.500	449	114.94	13.478
74	46.69	11.781	200	69.63	8.200	325	92.38	11.500	450	115.13	13.551
75	46.88	11.762	201	69.81	8.200	326	92.56	11.500	451	115.31	13.623
76	47.06	11.744	202	69.99	8.200	327	92.74	11.500	452	115.49	13.696
77	47.24	11.726	203	70.17	8.200	328	92.92	11.500	453	115.67	13.786
78	47.42	11.708	204	70.35	8.200	329	93.10	11.500	454	115.85	13.877
79	47.60	11.721	205	70.54	8.200	330	93.29	11.500	455	116.04	13.968
80	47.79	11.757	206	70.72	8.200	331	93.47	11.500	456	116.22	14.059
81	47.97	11.794	207	70.90	8.200	332	93.65	11.500	457	116.40	14.150
82	48.15	11.830	208	71.08	8.200	333	93.83	11.500	458	116.58	14.241
83	48.33	11.867	209	71.26	8.200	334	94.01	11.500	459	116.76	14.332
84	48.51	11.879	210	71.45	8.200	335	94.20	11.500	460	116.95	14.423
85	48.70	11.624	211	71.63	8.264	336	94.38	11.500	461	117.13	14.514
86	48.88	11.369	212	71.81	8.355	337	94.56	11.500	462	117.31	14.605
87	49.06	11.115	213	71.99	8.446	338	94.74	11.500	463	117.49	14.696
88	49.24	10.860	214	72.17	8.537	339	94.92	11.500	464	117.67	14.770
89	49.42	10.605	215	72.36	8.628	340	95.11	11.500	465	117.86	14.843
90	49.61	10.447	216	72.54	8.723	341	95.29	11.500	466	118.04	14.915
91	49.79	10.356	217	72.72	8.832	342	95.47	11.500	467	118.22	14.988
92	49.97	10.265	218	72.90	8.942	343	95.65	11.500	468	118.40	15.061
93	50.15	10.174	219	73.08	9.051	344	95.83	11.500	469	118.58	15.142
94	50.33	10.083	220	73.27	9.160	345	96.02	11.500	470	118.77	15.233
95	50.52	9.988	221	73.45	9.269	346	96.20	11.500	471	118.95	15.324
96	50.70	9.861	222	73.63	9.392	347	96.38	11.500	472	119.13	15.415
97	50.88	9.733	223	73.81	9.519	348	96.56	11.500	473	119.31	15.506
98	51.06	9.606	224	73.99	9.646	349	96.74	11.500	474	119.49	15.597
99	51.24	9.479	225	74.18	9.774	350	96.93	11.500	475	119.68	15.688
100	51.43	9.351	226	74.36	9.901	351	97.11	11.500	476	119.86	15.779
101	51.61	9.180	227	74.54	10.020	352	97.29	11.500	477	120.04	15.870
102	51.79	8.980	228	74.72	10.111	353	97.47	11.500	478	120.22	15.961
103	51.97	8.780	229	74.90	10.202	354	97.65	11.500	479	120.40	16.052
104	52.15	8.580	230	75.09	10.293	355	97.84	11.500	480	120.59	16.143
105	52.34	8.379	231	75.27	10.384	356	98.02	11.500	481	120.77	16.234
106	52.52	8.228	232	75.45	10.475	357	98.20	11.500	482	120.95	16.325
107	52.70	8.501	233	75.63	10.580	358	98.38	11.500	483	121.13	16.416

108	52.88	8.774	234	75.81	10.689	359	98.56	11.500	484	121.31	16.507
109	53.06	9.047	235	76.00	10.798	360	98.75	11.500	485	121.50	16.598
110	53.25	9.320	236	76.18	10.907	361	98.93	11.500	486	121.68	16.671
111	53.43	9.593	237	76.36	11.016	362	99.11	11.500	487	121.86	16.744
112	53.61	10.410	238	76.54	11.113	363	99.29	11.500	488	122.04	16.817
113	53.79	11.575	239	76.72	11.167	364	99.47	11.500	489	122.22	16.890
114	53.97	12.739	240	76.91	11.222	365	99.66	11.500	490	122.41	16.963
115	54.16	13.904	241	77.09	11.277	366	99.84	11.500	491	122.59	17.044
116	54.34	15.069	242	77.27	11.331	367	100.02	11.500	492	122.77	17.135
117	54.52	16.087	243	77.45	11.386	368	100.20	11.500	493	122.95	17.226
118	54.70	15.978	244	77.63	11.387	369	100.38	11.500	494	123.13	17.317
119	54.88	15.869	245	77.82	11.368	370	100.57	11.500	495	123.32	17.408
120	55.07	15.760	246	78.00	11.350	371	100.75	11.500	496	123.50	17.499
121	55.25	15.651	247	78.18	11.332	372	100.93	11.500	497	123.68	17.590
122	55.43	15.541	248	78.36	11.314	373	101.11	11.500	498	123.86	17.681
123	55.61	15.432	249	78.54	11.291	374	101.29	11.500	499	124.04	17.772
124	55.79	15.323	250	78.73	11.255	375	101.48	11.500	500	124.23	17.863
125	55.98	15.214	251	78.91	11.218	376	101.66	11.500	501	124.41	17.954
126	56.16	15.105									

0********** JUNCT*N VELOCITIES (FT/SEC) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.083	127	56.34	.226	252	79.09	.201	377	101.84	.462
2	33.59	.084	128	56.52	.227	253	79.27	.202	378	102.02	.462
3	33.77	.088	129	56.70	.229	254	79.45	.203	379	102.20	.463
4	33.95	.091	130	56.89	.230	255	79.64	.204	380	102.39	.464
5	34.14	.094	131	57.07	.232	256	79.82	.205	381	102.57	.465
6	34.32	.098	132	57.25	.233	257	80.00	.206	382	102.75	.465
7	34.50	.102	133	57.43	.234	258	80.18	.207	383	102.93	.466
8	34.68	.107	134	57.61	.235	259	80.36	.208	384	103.11	.467
9	34.86	.112	135	57.80	.237	260	80.55	.208	385	103.30	.467
10	35.05	.117	136	57.98	.238	261	80.73	.209	386	103.48	.468
11	35.23	.123	137	58.16	.239	262	80.91	.210	387	103.66	.465
12	35.41	.130	138	58.34	.240	263	81.09	.210	388	103.84	.462
13	35.59	.137	139	58.52	.242	264	81.27	.211	389	104.02	.459
14	35.77	.145	140	58.71	.243	265	81.46	.211	390	104.21	.456
15	35.96	.154	141	58.89	.245	266	81.64	.212	391	104.39	.453
16	36.14	.164	142	59.07	.247	267	81.82	.213	392	104.57	.450
17	36.32	.175	143	59.25	.248	268	82.00	.214	393	104.75	.446
18	36.50	.189	144	59.43	.250	269	82.18	.215	394	104.93	.442
19	36.68	.197	145	59.62	.252	270	82.37	.216	395	105.12	.439
20	36.87	.206	146	59.80	.253	271	82.55	.217	396	105.30	.436
21	37.05	.215	147	59.98	.255	272	82.73	.218	397	105.48	.546
22	37.23	.226	148	60.16	.256	273	82.91	.219	398	105.66	.543
23	37.41	.237	149	60.34	.258	274	83.09	.220	399	105.84	.540
24	37.59	.244	150	60.53	.370	275	83.28	.221	400	106.03	.537
25	37.78	.245	151	60.71	.373	276	83.46	.222	401	106.21	.534
26	37.96	.247	152	60.89	.376	277	83.64	.223	402	106.39	.531
27	38.14	.248	153	61.07	.379	278	83.82	.224	403	106.57	.529
28	38.32	.250	154	61.25	.382	279	84.00	.225	404	106.75	.527
29	38.50	.251	155	61.44	.385	280	84.19	.227	405	106.94	.526
30	38.69	.252	156	61.62	.388	281	84.37	.228	406	107.12	.525

31	38.87	.254	157	61.80	.390	282	84.55	.229	407	107.30	.524
32	39.05	.256	158	61.98	.392	283	84.73	.229	408	107.48	.522
33	39.23	.257	159	62.16	.394	284	84.91	.230	409	107.66	.521
34	39.41	.259	160	62.35	.396	285	85.10	.231	410	107.85	.520
35	39.60	.260	161	62.53	.398	286	85.28	.231	411	108.03	.518
36	39.78	.262	162	62.71	.399	287	85.46	.232	412	108.21	.517
37	39.96	.264	163	62.89	.400	288	85.64	.233	413	108.39	.516
38	40.14	.266	164	63.07	.402	289	85.82	.234	414	108.57	.515
39	40.32	.268	165	63.26	.403	290	86.01	.235	415	108.76	.513
40	40.51	.270	166	63.44	.405	291	86.19	.236	416	108.94	.512
41	40.69	.271	167	63.62	.407	292	86.37	.238	417	109.12	.511
42	40.87	.272	168	63.80	.409	293	86.55	.238	418	109.30	.510
43	41.05	.273	169	63.98	.411	294	86.73	.238	419	109.48	.508
44	41.23	.274	170	64.17	.414	295	86.92	.238	420	109.67	.507
45	41.42	.275	171	64.35	.416	296	87.10	.238	421	109.85	.506
46	41.60	.275	172	64.53	.418	297	87.28	.238	422	110.03	.505
47	41.78	.276	173	64.71	.420	298	87.46	.238	423	110.21	.503
48	41.96	.276	174	64.89	.422	299	87.64	.236	424	110.39	.502
49	42.14	.276	175	65.08	.424	300	87.83	.468	425	110.58	.501
50	42.33	.277	176	65.26	.426	301	88.01	.465	426	110.76	.500
51	42.51	.277	177	65.44	.428	302	88.19	.461	427	110.94	.499
52	42.69	.278	178	65.62	.430	303	88.37	.458	428	111.12	.497
53	42.87	.278	179	65.80	.433	304	88.55	.455	429	111.30	.496
54	43.05	.279	180	65.99	.436	305	88.74	.451	430	111.49	.495
55	43.24	.279	181	66.17	.439	306	88.92	.448	431	111.67	.494
56	43.42	.277	182	66.35	.442	307	89.10	.445	432	111.85	.493
57	43.60	.278	183	66.53	.445	308	89.28	.442	433	112.03	.492
58	43.78	.278	184	66.71	.447	309	89.46	.439	434	112.21	.490
59	43.96	.278	185	66.90	.449	310	89.65	.436	435	112.40	.489
60	44.15	.279	186	67.08	.451	311	89.83	.433	436	112.58	.488
61	44.33	.279	187	67.26	.454	312	90.01	.430	437	112.76	.487
62	44.51	.280	188	67.44	.456	313	90.19	.427	438	112.94	.486
63	44.69	.280	189	67.62	.459	314	90.37	.424	439	113.12	.485
64	44.87	.281	190	67.81	.463	315	90.56	.423	440	113.31	.484
65	45.06	.281	191	67.99	.466	316	90.74	.423	441	113.49	.483
66	45.24	.281	192	68.17	.470	317	90.92	.424	442	113.67	.480
67	45.42	.282	193	68.35	.474	318	91.10	.425	443	113.85	.476
68	45.60	.282	194	68.53	.477	319	91.28	.425	444	114.03	.473
69	45.78	.283	195	68.72	.478	320	91.47	.426	445	114.22	.470
70	45.97	.283	196	68.90	.480	321	91.65	.426	446	114.40	.467
71	46.15	.284	197	69.08	.481	322	91.83	.427	447	114.58	.464
72	46.33	.284	198	69.26	.483	323	92.01	.428	448	114.76	.461
73	46.51	.285	199	69.44	.484	324	92.19	.428	449	114.94	.457
74	46.69	.286	200	69.63	.485	325	92.38	.429	450	115.13	.454
75	46.88	.286	201	69.81	.485	326	92.56	.429	451	115.31	.450
76	47.06	.287	202	69.99	.485	327	92.74	.430	452	115.49	.447
77	47.24	.288	203	70.17	.485	328	92.92	.430	453	115.67	.443
78	47.42	.289	204	70.35	.485	329	93.10	.431	454	115.85	.439
79	47.60	.289	205	70.54	.484	330	93.29	.432	455	116.04	.435
80	47.79	.289	206	70.72	.482	331	93.47	.432	456	116.22	.431
81	47.97	.288	207	70.90	.480	332	93.65	.433	457	116.40	.428
82	48.15	.288	208	71.08	.478	333	93.83	.434	458	116.58	.424

83	48.33	.288	209	71.26	.475	334	94.01	.434	459	116.76	.420
84	48.51	.288	210	71.45	.274	335	94.20	.435	460	116.95	.417
85	48.70	.295	211	71.63	.272	336	94.38	.435	461	117.13	.413
86	48.88	.302	212	71.81	.269	337	94.56	.435	462	117.31	.410
87	49.06	.309	213	71.99	.266	338	94.74	.436	463	117.49	.406
88	49.24	.317	214	72.17	.264	339	94.92	.437	464	117.67	.403
89	49.42	.325	215	72.36	.261	340	95.11	.437	465	117.86	.400
90	49.61	.331	216	72.54	.259	341	95.29	.438	466	118.04	.397
91	49.79	.334	217	72.72	.256	342	95.47	.439	467	118.22	.394
92	49.97	.338	218	72.90	.253	343	95.65	.439	468	118.40	.391
93	50.15	.341	219	73.08	.250	344	95.83	.440	469	118.58	.388
94	50.33	.345	220	73.27	.248	345	96.02	.441	470	118.77	.385
95	50.52	.349	221	73.45	.245	346	96.20	.441	471	118.95	.382
96	50.70	.354	222	73.63	.242	347	96.38	.442	472	119.13	.379
97	50.88	.359	223	73.81	.239	348	96.56	.442	473	119.31	.376
98	51.06	.364	224	73.99	.236	349	96.74	.443	474	119.49	.373
99	51.24	.370	225	74.18	.234	350	96.93	.444	475	119.68	.370
100	51.43	.375	226	74.36	.231	351	97.11	.444	476	119.86	.367
101	51.61	.383	227	74.54	.228	352	97.29	.445	477	120.04	.364
102	51.79	.392	228	74.72	.227	353	97.47	.446	478	120.22	.361
103	51.97	.402	229	74.90	.225	354	97.65	.446	479	120.40	.358
104	52.15	.412	230	75.09	.223	355	97.84	.447	480	120.59	.356
105	52.34	.423	231	75.27	.222	356	98.02	.448	481	120.77	.352
106	52.52	.431	232	75.45	.220	357	98.20	.448	482	120.95	.349
107	52.70	.418	233	75.63	.218	358	98.38	.449	483	121.13	.346
108	52.88	.406	234	75.81	.217	359	98.56	.449	484	121.31	.344
109	53.06	.394	235	76.00	.215	360	98.75	.450	485	121.50	.341
110	53.25	.383	236	76.18	.203	361	98.93	.451	486	121.68	.339
111	53.43	.373	237	76.36	.202	362	99.11	.451	487	121.86	.337
112	53.61	.344	238	76.54	.200	363	99.29	.452	488	122.04	.335
113	53.79	.309	239	76.72	.200	364	99.47	.453	489	122.22	.332
114	53.97	.281	240	76.91	.199	365	99.66	.453	490	122.41	.330
115	54.16	.257	241	77.09	.198	366	99.84	.454	491	122.59	.328
116	54.34	.238	242	77.27	.198	367	100.02	.455	492	122.77	.326
117	54.52	.217	243	77.45	.196	368	100.20	.455	493	122.95	.323
118	54.70	.218	244	77.63	.196	369	100.38	.456	494	123.13	.321
119	54.88	.219	245	77.82	.197	370	100.57	.457	495	123.32	.319
120	55.07	.220	246	78.00	.197	371	100.75	.457	496	123.50	.316
121	55.25	.221	247	78.18	.198	372	100.93	.458	497	123.68	.314
122	55.43	.222	248	78.36	.198	373	101.11	.459	498	123.86	.312
123	55.61	.223	249	78.54	.199	374	101.29	.459	499	124.04	.309
124	55.79	.224	250	78.73	.199	375	101.48	.460	500	124.23	.307
125	55.98	.225	251	78.91	.200	376	101.66	.461	501	124.41	.305
126	56.16	.225									

0********** JUNCTION VOLUMES (CUFT) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	4.203E+06	127	56.34	1.493E+06	252	79.09	1.317E+06	377	101.84	1.145E+06
2	33.59	4.130E+06	128	56.52	1.487E+06	253	79.27	1.311E+06	378	102.02	1.143E+06
3	33.77	3.985E+06	129	56.70	1.478E+06	254	79.45	1.305E+06	379	102.20	1.141E+06
4	33.95	3.840E+06	130	56.89	1.469E+06	255	79.64	1.299E+06	380	102.39	1.139E+06
5	34.14	3.695E+06	131	57.07	1.461E+06	256	79.82	1.293E+06	381	102.57	1.138E+06

6	34.32	3.551E+06	132	57.25	1.452E+06	257	80.00	1.287E+06	382	102.75	1.136E+06
7	34.50	3.407E+06	133	57.43	1.443E+06	258	80.18	1.282E+06	383	102.93	1.134E+06
8	34.68	3.263E+06	134	57.61	1.435E+06	259	80.36	1.276E+06	384	103.11	1.133E+06
9	34.86	3.119E+06	135	57.80	1.428E+06	260	80.55	1.271E+06	385	103.30	1.131E+06
10	35.05	2.976E+06	136	57.98	1.421E+06	261	80.73	1.267E+06	386	103.48	1.130E+06
11	35.23	2.834E+06	137	58.16	1.413E+06	262	80.91	1.264E+06	387	103.66	1.136E+06
12	35.41	2.691E+06	138	58.34	1.406E+06	263	81.09	1.260E+06	388	103.84	1.144E+06
13	35.59	2.550E+06	139	58.52	1.398E+06	264	81.27	1.257E+06	389	104.02	1.152E+06
14	35.77	2.409E+06	140	58.71	1.389E+06	265	81.46	1.253E+06	390	104.21	1.159E+06
15	35.96	2.268E+06	141	58.89	1.380E+06	266	81.64	1.248E+06	391	104.39	1.167E+06
16	36.14	2.128E+06	142	59.07	1.370E+06	267	81.82	1.243E+06	392	104.57	1.175E+06
17	36.32	1.988E+06	143	59.25	1.361E+06	268	82.00	1.237E+06	393	104.75	1.185E+06
18	36.50	1.849E+06	144	59.43	1.351E+06	269	82.18	1.231E+06	394	104.93	1.195E+06
19	36.68	1.773E+06	145	59.62	1.342E+06	270	82.37	1.225E+06	395	105.12	1.204E+06
20	36.87	1.697E+06	146	59.80	1.335E+06	271	82.55	1.220E+06	396	105.30	1.214E+06
21	37.05	1.621E+06	147	59.98	1.327E+06	272	82.73	1.214E+06	397	105.48	1.223E+06
22	37.23	1.546E+06	148	60.16	1.319E+06	273	82.91	1.208E+06	398	105.66	1.230E+06
23	37.41	1.470E+06	149	60.34	1.311E+06	274	83.09	1.203E+06	399	105.84	1.237E+06
24	37.59	1.430E+06	150	60.53	1.302E+06	275	83.28	1.197E+06	400	106.03	1.244E+06
25	37.78	1.422E+06	151	60.71	1.292E+06	276	83.46	1.192E+06	401	106.21	1.251E+06
26	37.96	1.414E+06	152	60.89	1.282E+06	277	83.64	1.186E+06	402	106.39	1.258E+06
27	38.14	1.406E+06	153	61.07	1.272E+06	278	83.82	1.180E+06	403	106.57	1.263E+06
28	38.32	1.398E+06	154	61.25	1.261E+06	279	84.00	1.175E+06	404	106.75	1.266E+06
29	38.50	1.390E+06	155	61.44	1.251E+06	280	84.19	1.169E+06	405	106.94	1.269E+06
30	38.69	1.382E+06	156	61.62	1.243E+06	281	84.37	1.164E+06	406	107.12	1.273E+06
31	38.87	1.373E+06	157	61.80	1.237E+06	282	84.55	1.159E+06	407	107.30	1.276E+06
32	39.05	1.365E+06	158	61.98	1.231E+06	283	84.73	1.155E+06	408	107.48	1.279E+06
33	39.23	1.357E+06	159	62.16	1.225E+06	284	84.91	1.152E+06	409	107.66	1.282E+06
34	39.41	1.349E+06	160	62.35	1.218E+06	285	85.10	1.148E+06	410	107.85	1.285E+06
35	39.60	1.340E+06	161	62.53	1.212E+06	286	85.28	1.145E+06	411	108.03	1.288E+06
36	39.78	1.330E+06	162	62.71	1.208E+06	287	85.46	1.141E+06	412	108.21	1.292E+06
37	39.96	1.320E+06	163	62.89	1.204E+06	288	85.64	1.136E+06	413	108.39	1.295E+06
38	40.14	1.310E+06	164	63.07	1.200E+06	289	85.82	1.131E+06	414	108.57	1.298E+06
39	40.32	1.300E+06	165	63.26	1.195E+06	290	86.01	1.126E+06	415	108.76	1.301E+06
40	40.51	1.291E+06	166	63.44	1.191E+06	291	86.19	1.120E+06	416	108.94	1.304E+06
41	40.69	1.287E+06	167	63.62	1.185E+06	292	86.37	1.115E+06	417	109.12	1.308E+06
42	40.87	1.283E+06	168	63.80	1.179E+06	293	86.55	1.111E+06	418	109.30	1.311E+06
43	41.05	1.279E+06	169	63.98	1.172E+06	294	86.73	1.112E+06	419	109.48	1.314E+06
44	41.23	1.275E+06	170	64.17	1.165E+06	295	86.92	1.112E+06	420	109.67	1.317E+06
45	41.42	1.271E+06	171	64.35	1.158E+06	296	87.10	1.113E+06	421	109.85	1.320E+06
46	41.60	1.268E+06	172	64.53	1.152E+06	297	87.28	1.113E+06	422	110.03	1.323E+06
47	41.78	1.266E+06	173	64.71	1.147E+06	298	87.46	1.114E+06	423	110.21	1.327E+06
48	41.96	1.264E+06	174	64.89	1.142E+06	299	87.64	1.121E+06	424	110.39	1.330E+06
49	42.14	1.262E+06	175	65.08	1.137E+06	300	87.83	1.129E+06	425	110.58	1.333E+06
50	42.33	1.260E+06	176	65.26	1.132E+06	301	88.01	1.138E+06	426	110.76	1.336E+06
51	42.51	1.259E+06	177	65.44	1.127E+06	302	88.19	1.147E+06	427	110.94	1.339E+06
52	42.69	1.257E+06	178	65.62	1.121E+06	303	88.37	1.155E+06	428	111.12	1.343E+06
53	42.87	1.254E+06	179	65.80	1.113E+06	304	88.55	1.164E+06	429	111.30	1.346E+06
54	43.05	1.252E+06	180	65.99	1.106E+06	305	88.74	1.172E+06	430	111.49	1.349E+06
55	43.24	1.250E+06	181	66.17	1.099E+06	306	88.92	1.181E+06	431	111.67	1.352E+06
56	43.42	1.248E+06	182	66.35	1.091E+06	307	89.10	1.189E+06	432	111.85	1.355E+06
57	43.60	1.246E+06	183	66.53	1.084E+06	308	89.28	1.197E+06	433	112.03	1.359E+06

58	43.78	1.244E+06	184	66.71	1.079E+06	309	89.46	1.206E+06	434	112.21	1.362E+06
59	43.96	1.243E+06	185	66.90	1.073E+06	310	89.65	1.214E+06	435	112.40	1.365E+06
60	44.15	1.241E+06	186	67.08	1.068E+06	311	89.83	1.222E+06	436	112.58	1.368E+06
61	44.33	1.239E+06	187	67.26	1.062E+06	312	90.01	1.230E+06	437	112.76	1.371E+06
62	44.51	1.237E+06	188	67.44	1.056E+06	313	90.19	1.238E+06	438	112.94	1.374E+06
63	44.69	1.235E+06	189	67.62	1.049E+06	314	90.37	1.247E+06	439	113.12	1.378E+06
64	44.87	1.233E+06	190	67.81	1.041E+06	315	90.56	1.252E+06	440	113.31	1.381E+06
65	45.06	1.231E+06	191	67.99	1.033E+06	316	90.74	1.250E+06	441	113.49	1.384E+06
66	45.24	1.230E+06	192	68.17	1.025E+06	317	90.92	1.248E+06	442	113.67	1.393E+06
67	45.42	1.228E+06	193	68.35	1.017E+06	318	91.10	1.246E+06	443	113.85	1.402E+06
68	45.60	1.226E+06	194	68.53	1.010E+06	319	91.28	1.244E+06	444	114.03	1.411E+06
69	45.78	1.224E+06	195	68.72	1.007E+06	320	91.47	1.242E+06	445	114.22	1.420E+06
70	45.97	1.222E+06	196	68.90	1.004E+06	321	91.65	1.241E+06	446	114.40	1.429E+06
71	46.15	1.220E+06	197	69.08	1.001E+06	322	91.83	1.239E+06	447	114.58	1.439E+06
72	46.33	1.217E+06	198	69.26	9.983E+05	323	92.01	1.238E+06	448	114.76	1.450E+06
73	46.51	1.215E+06	199	69.44	9.953E+05	324	92.19	1.236E+06	449	114.94	1.461E+06
74	46.69	1.212E+06	200	69.63	9.944E+05	325	92.38	1.234E+06	450	115.13	1.472E+06
75	46.88	1.208E+06	201	69.81	9.944E+05	326	92.56	1.233E+06	451	115.31	1.484E+06
76	47.06	1.204E+06	202	69.99	9.944E+05	327	92.74	1.231E+06	452	115.49	1.495E+06
77	47.24	1.200E+06	203	70.17	9.944E+05	328	92.92	1.229E+06	453	115.67	1.508E+06
78	47.42	1.197E+06	204	70.35	9.944E+05	329	93.10	1.227E+06	454	115.85	1.522E+06
79	47.60	1.196E+06	205	70.54	9.954E+05	330	93.29	1.225E+06	455	116.04	1.535E+06
80	47.79	1.198E+06	206	70.72	1.000E+06	331	93.47	1.224E+06	456	116.22	1.548E+06
81	47.97	1.199E+06	207	70.90	1.005E+06	332	93.65	1.222E+06	457	116.40	1.562E+06
82	48.15	1.201E+06	208	71.08	1.009E+06	333	93.83	1.220E+06	458	116.58	1.575E+06
83	48.33	1.203E+06	209	71.26	1.014E+06	334	94.01	1.219E+06	459	116.76	1.589E+06
84	48.51	1.202E+06	210	71.45	1.018E+06	335	94.20	1.217E+06	460	116.95	1.603E+06
85	48.70	1.174E+06	211	71.63	1.027E+06	336	94.38	1.216E+06	461	117.13	1.616E+06
86	48.88	1.147E+06	212	71.81	1.037E+06	337	94.56	1.214E+06	462	117.31	1.630E+06
87	49.06	1.119E+06	213	71.99	1.048E+06	338	94.74	1.212E+06	463	117.49	1.644E+06
88	49.24	1.092E+06	214	72.17	1.058E+06	339	94.92	1.210E+06	464	117.67	1.656E+06
89	49.42	1.065E+06	215	72.36	1.069E+06	340	95.11	1.208E+06	465	117.86	1.667E+06
90	49.61	1.047E+06	216	72.54	1.079E+06	341	95.29	1.207E+06	466	118.04	1.679E+06
91	49.79	1.036E+06	217	72.72	1.092E+06	342	95.47	1.205E+06	467	118.22	1.691E+06
92	49.97	1.025E+06	218	72.90	1.104E+06	343	95.65	1.203E+06	468	118.40	1.703E+06
93	50.15	1.014E+06	219	73.08	1.116E+06	344	95.83	1.202E+06	469	118.58	1.716E+06
94	50.33	1.003E+06	220	73.27	1.128E+06	345	96.02	1.200E+06	470	118.77	1.730E+06
95	50.52	9.923E+05	221	73.45	1.140E+06	346	96.20	1.198E+06	471	118.95	1.745E+06
96	50.70	9.781E+05	222	73.63	1.153E+06	347	96.38	1.197E+06	472	119.13	1.759E+06
97	50.88	9.639E+05	223	73.81	1.167E+06	348	96.56	1.195E+06	473	119.31	1.773E+06
98	51.06	9.498E+05	224	73.99	1.181E+06	349	96.74	1.193E+06	474	119.49	1.788E+06
99	51.24	9.357E+05	225	74.18	1.196E+06	350	96.93	1.191E+06	475	119.68	1.802E+06
100	51.43	9.217E+05	226	74.36	1.210E+06	351	97.11	1.190E+06	476	119.86	1.817E+06
101	51.61	9.033E+05	227	74.54	1.222E+06	352	97.29	1.188E+06	477	120.04	1.831E+06
102	51.79	8.820E+05	228	74.72	1.232E+06	353	97.47	1.186E+06	478	120.22	1.845E+06
103	51.97	8.608E+05	229	74.90	1.241E+06	354	97.65	1.184E+06	479	120.40	1.860E+06
104	52.15	8.397E+05	230	75.09	1.250E+06	355	97.84	1.183E+06	480	120.59	1.874E+06
105	52.34	8.186E+05	231	75.27	1.259E+06	356	98.02	1.181E+06	481	120.77	1.889E+06
106	52.52	8.024E+05	232	75.45	1.268E+06	357	98.20	1.180E+06	482	120.95	1.903E+06
107	52.70	8.277E+05	233	75.63	1.278E+06	358	98.38	1.178E+06	483	121.13	1.918E+06
108	52.88	8.529E+05	234	75.81	1.290E+06	359	98.56	1.176E+06	484	121.31	1.933E+06
109	53.06	8.780E+05	235	76.00	1.301E+06	360	98.75	1.174E+06	485	121.50	1.947E+06

110	53.25	9.031E+05	236	76.18	1.312E+06	361	98.93	1.173E+06	486	121.68	1.960E+06
111	53.43	9.280E+05	237	76.36	1.323E+06	362	99.11	1.171E+06	487	121.86	1.973E+06
112	53.61	1.006E+06	238	76.54	1.332E+06	363	99.29	1.169E+06	488	122.04	1.985E+06
113	53.79	1.119E+06	239	76.72	1.337E+06	364	99.47	1.167E+06	489	122.22	1.998E+06
114	53.97	1.232E+06	240	76.91	1.341E+06	365	99.66	1.166E+06	490	122.41	2.011E+06
115	54.16	1.344E+06	241	77.09	1.346E+06	366	99.84	1.164E+06	491	122.59	2.025E+06
116	54.34	1.457E+06	242	77.27	1.351E+06	367	100.02	1.162E+06	492	122.77	2.040E+06
117	54.52	1.556E+06	243	77.45	1.355E+06	368	100.20	1.161E+06	493	122.95	2.055E+06
118	54.70	1.550E+06	244	77.63	1.353E+06	369	100.38	1.159E+06	494	123.13	2.070E+06
119	54.88	1.543E+06	245	77.82	1.350E+06	370	100.57	1.157E+06	495	123.32	2.085E+06
120	55.07	1.537E+06	246	78.00	1.346E+06	371	100.75	1.156E+06	496	123.50	2.100E+06
121	55.25	1.531E+06	247	78.18	1.342E+06	372	100.93	1.154E+06	497	123.68	2.116E+06
122	55.43	1.525E+06	248	78.36	1.338E+06	373	101.11	1.152E+06	498	123.86	2.131E+06
123	55.61	1.518E+06	249	78.54	1.334E+06	374	101.29	1.150E+06	499	124.04	2.146E+06
124	55.79	1.512E+06	250	78.73	1.328E+06	375	101.48	1.148E+06	500	124.23	2.161E+06
125	55.98	1.506E+06	251	78.91	1.322E+06	376	101.66	1.147E+06	501	124.41	2.177E+06
126	56.16	1.500E+06									

0********** OWENS EDWARDS AND GIBBS CORRELATION **********

WIND INDUCED REAERATION WAS USED FOR THE FOLLOW SEGMENTS

1	2	3	4	5	6	7	8	9	10	11	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	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501									

0********** COMPUTED REAERATION RATES (1/DAY) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.069	127	56.34	.169	252	79.09	.221	377	101.84	.215
2	33.59	.070	128	56.52	.170	253	79.27	.222	378	102.02	.215
3	33.77	.073	129	56.70	.171	254	79.45	.222	379	102.20	.215
4	33.95	.075	130	56.89	.173	255	79.64	.223	380	102.39	.215
5	34.14	.078	131	57.07	.174	256	79.82	.224	381	102.57	.215
6	34.32	.081	132	57.25	.176	257	80.00	.225	382	102.75	.215
7	34.50	.085	133	57.43	.178	258	80.18	.225	383	102.93	.215
8	34.68	.088	134	57.61	.179	259	80.36	.226	384	103.11	.215
9	34.86	.092	135	57.80	.180	260	80.55	.227	385	103.30	.215
10	35.05	.096	136	57.98	.182	261	80.73	.227	386	103.48	.215
11	35.23	.101	137	58.16	.183	262	80.91	.227	387	103.66	.213
12	35.41	.106	138	58.34	.185	263	81.09	.228	388	103.84	.212
13	35.59	.112	139	58.52	.186	264	81.27	.228	389	104.02	.210

14	35.77	.118	140	58.71	.188	265	81.46	.229	390	104.21	.208
15	35.96	.126	141	58.89	.190	266	81.64	.229	391	104.39	.207
16	36.14	.134	142	59.07	.192	267	81.82	.230	392	104.57	.205
17	36.32	.143	143	59.25	.193	268	82.00	.231	393	104.75	.203
18	36.50	.153	144	59.43	.195	269	82.18	.232	394	104.93	.201
19	36.68	.160	145	59.62	.197	270	82.37	.232	395	105.12	.200
20	36.87	.167	146	59.80	.199	271	82.55	.233	396	105.30	.198
21	37.05	.174	147	59.98	.201	272	82.73	.234	397	105.48	.196
22	37.23	.182	148	60.16	.202	273	82.91	.235	398	105.66	.195
23	37.41	.191	149	60.34	.204	274	83.09	.236	399	105.84	.194
24	37.59	.196	150	60.53	.206	275	83.28	.236	400	106.03	.193
25	37.78	.197	151	60.71	.208	276	83.46	.237	401	106.21	.192
26	37.96	.198	152	60.89	.210	277	83.64	.238	402	106.39	.191
27	38.14	.199	153	61.07	.213	278	83.82	.239	403	106.57	.190
28	38.32	.200	154	61.25	.215	279	84.00	.240	404	106.75	.190
29	38.50	.201	155	61.44	.217	280	84.19	.241	405	106.94	.190
30	38.69	.202	156	61.62	.219	281	84.37	.241	406	107.12	.190
31	38.87	.202	157	61.80	.221	282	84.55	.242	407	107.30	.190
32	39.05	.203	158	61.98	.223	283	84.73	.243	408	107.48	.190
33	39.23	.204	159	62.16	.224	284	84.91	.243	409	107.66	.190
34	39.41	.205	160	62.35	.226	285	85.10	.244	410	107.85	.190
35	39.60	.206	161	62.53	.228	286	85.28	.244	411	108.03	.190
36	39.78	.207	162	62.71	.230	287	85.46	.244	412	108.21	.190
37	39.96	.209	163	62.89	.231	288	85.64	.245	413	108.39	.190
38	40.14	.210	164	63.07	.233	289	85.82	.246	414	108.57	.190
39	40.32	.211	165	63.26	.234	290	86.01	.247	415	108.76	.190
40	40.51	.213	166	63.44	.236	291	86.19	.248	416	108.94	.190
41	40.69	.213	167	63.62	.238	292	86.37	.249	417	109.12	.190
42	40.87	.213	168	63.80	.240	293	86.55	.249	418	109.30	.190
43	41.05	.214	169	63.98	.242	294	86.73	.249	419	109.48	.190
44	41.23	.214	170	64.17	.244	295	86.92	.248	420	109.67	.190
45	41.42	.214	171	64.35	.246	296	87.10	.248	421	109.85	.190
46	41.60	.214	172	64.53	.248	297	87.28	.248	422	110.03	.190
47	41.78	.214	173	64.71	.250	298	87.46	.247	423	110.21	.190
48	41.96	.214	174	64.89	.252	299	87.64	.245	424	110.39	.190
49	42.14	.214	175	65.08	.254	300	87.83	.243	425	110.58	.190
50	42.33	.214	176	65.26	.256	301	88.01	.241	426	110.76	.190
51	42.51	.214	177	65.44	.257	302	88.19	.239	427	110.94	.190
52	42.69	.214	178	65.62	.260	303	88.37	.237	428	111.12	.190
53	42.87	.214	179	65.80	.262	304	88.55	.235	429	111.30	.190
54	43.05	.214	180	65.99	.265	305	88.74	.233	430	111.49	.190
55	43.24	.214	181	66.17	.267	306	88.92	.231	431	111.67	.190
56	43.42	.214	182	66.35	.270	307	89.10	.229	432	111.85	.190
57	43.60	.214	183	66.53	.272	308	89.28	.227	433	112.03	.190
58	43.78	.214	184	66.71	.274	309	89.46	.225	434	112.21	.190
59	43.96	.214	185	66.90	.277	310	89.65	.223	435	112.40	.190
60	44.15	.214	186	67.08	.279	311	89.83	.221	436	112.58	.190
61	44.33	.214	187	67.26	.281	312	90.01	.219	437	112.76	.190
62	44.51	.214	188	67.44	.283	313	90.19	.218	438	112.94	.190
63	44.69	.214	189	67.62	.286	314	90.37	.216	439	113.12	.190
64	44.87	.214	190	67.81	.289	315	90.56	.215	440	113.31	.190
65	45.06	.214	191	67.99	.292	316	90.74	.215	441	113.49	.190

66	45.24	.214	192	68.17	.295	317	90.92	.215	442	113.67	.189
67	45.42	.214	193	68.35	.298	318	91.10	.215	443	113.85	.188
68	45.60	.214	194	68.53	.301	319	91.28	.215	444	114.03	.188
69	45.78	.214	195	68.72	.303	320	91.47	.215	445	114.22	.187
70	45.97	.214	196	68.90	.304	321	91.65	.215	446	114.40	.186
71	46.15	.214	197	69.08	.305	322	91.83	.215	447	114.58	.185
72	46.33	.214	198	69.26	.307	323	92.01	.215	448	114.76	.184
73	46.51	.214	199	69.44	.308	324	92.19	.215	449	114.94	.183
74	46.69	.215	200	69.63	.308	325	92.38	.215	450	115.13	.182
75	46.88	.215	201	69.81	.308	326	92.56	.215	451	115.31	.181
76	47.06	.215	202	69.99	.308	327	92.74	.215	452	115.49	.180
77	47.24	.216	203	70.17	.308	328	92.92	.215	453	115.67	.179
78	47.42	.216	204	70.35	.308	329	93.10	.215	454	115.85	.178
79	47.60	.216	205	70.54	.308	330	93.29	.215	455	116.04	.177
80	47.79	.215	206	70.72	.307	331	93.47	.215	456	116.22	.176
81	47.97	.214	207	70.90	.305	332	93.65	.215	457	116.40	.175
82	48.15	.214	208	71.08	.304	333	93.83	.215	458	116.58	.173
83	48.33	.213	209	71.26	.303	334	94.01	.215	459	116.76	.172
84	48.51	.213	210	71.45	.302	335	94.20	.215	460	116.95	.171
85	48.70	.218	211	71.63	.299	336	94.38	.215	461	117.13	.170
86	48.88	.222	212	71.81	.296	337	94.56	.215	462	117.31	.169
87	49.06	.228	213	71.99	.292	338	94.74	.215	463	117.49	.168
88	49.24	.233	214	72.17	.289	339	94.92	.215	464	117.67	.167
89	49.42	.238	215	72.36	.286	340	95.11	.215	465	117.86	.166
90	49.61	.242	216	72.54	.283	341	95.29	.215	466	118.04	.166
91	49.79	.244	217	72.72	.280	342	95.47	.215	467	118.22	.165
92	49.97	.246	218	72.90	.276	343	95.65	.215	468	118.40	.164
93	50.15	.249	219	73.08	.273	344	95.83	.215	469	118.58	.163
94	50.33	.251	220	73.27	.270	345	96.02	.215	470	118.77	.162
95	50.52	.253	221	73.45	.266	346	96.20	.215	471	118.95	.161
96	50.70	.256	222	73.63	.263	347	96.38	.215	472	119.13	.160
97	50.88	.260	223	73.81	.259	348	96.56	.215	473	119.31	.159
98	51.06	.263	224	73.99	.256	349	96.74	.215	474	119.49	.158
99	51.24	.267	225	74.18	.253	350	96.93	.215	475	119.68	.157
100	51.43	.270	226	74.36	.249	351	97.11	.215	476	119.86	.157
101	51.61	.275	227	74.54	.246	352	97.29	.215	477	120.04	.156
102	51.79	.282	228	74.72	.244	353	97.47	.215	478	120.22	.155
103	51.97	.288	229	74.90	.242	354	97.65	.215	479	120.40	.154
104	52.15	.295	230	75.09	.240	355	97.84	.215	480	120.59	.153
105	52.34	.302	231	75.27	.238	356	98.02	.215	481	120.77	.152
106	52.52	.307	232	75.45	.236	357	98.20	.215	482	120.95	.151
107	52.70	.297	233	75.63	.233	358	98.38	.215	483	121.13	.150
108	52.88	.288	234	75.81	.231	359	98.56	.215	484	121.31	.150
109	53.06	.280	235	76.00	.229	360	98.75	.215	485	121.50	.149
110	53.25	.271	236	76.18	.226	361	98.93	.215	486	121.68	.148
111	53.43	.264	237	76.36	.224	362	99.11	.215	487	121.86	.147
112	53.61	.243	238	76.54	.222	363	99.29	.215	488	122.04	.147
113	53.79	.218	239	76.72	.221	364	99.47	.215	489	122.22	.146
114	53.97	.199	240	76.91	.220	365	99.66	.215	490	122.41	.146
115	54.16	.182	241	77.09	.219	366	99.84	.215	491	122.59	.145
116	54.34	.168	242	77.27	.218	367	100.02	.215	492	122.77	.144
117	54.52	.157	243	77.45	.217	368	100.20	.215	493	122.95	.143

118	54.70	.158	244	77.63	.217	369	100.38	.215	494	123.13	.143
119	54.88	.159	245	77.82	.217	370	100.57	.215	495	123.32	.142
120	55.07	.160	246	78.00	.218	371	100.75	.215	496	123.50	.141
121	55.25	.162	247	78.18	.218	372	100.93	.215	497	123.68	.140
122	55.43	.163	248	78.36	.218	373	101.11	.215	498	123.86	.140
123	55.61	.164	249	78.54	.219	374	101.29	.215	499	124.04	.139
124	55.79	.165	250	78.73	.219	375	101.48	.215	500	124.23	.138
125	55.98	.166	251	78.91	.220	376	101.66	.215	501	124.41	.138
126	56.16	.167									

1**********

STEADY STATE FLOW CONDITIONS

TOTAL INFLOWS = 933.1 CFS

TOTAL DIVERSIONS = 570.0 CFS

OUTFLOW AT DOWNSTREAM JUNCTION = 363.1 CFS

0********** POINT SOURCE INFLOWS (CFS) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.100	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.200	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000

32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.200	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	2.900	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	.010
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000

84	48.51	.000	210	71.45	210.890	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	1.400
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	2.300
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.100	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	13.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	8.200	243	77.45	1.500	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.400
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	.500	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	690.890
126	56.16	.000									

0********** NONPOINT SOURCE INFLOWS (CFS) (EXCLUDING RAINFALL) **********

ALL VALUES = 0.000E+00

0********** POINT DIVERSIONS (CFS) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	363.090	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000

5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	145.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	150.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	275.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000

57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000

109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	.000	243	77.45	.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	.000
126	56.16	.000									

0********** NONPOINT DIVERSIONS OR LOSSES (CFS) (EXCLUDING EVAPORATION) **********

ALL VALUES = 0.000E+00

0********** JUNCT*N FLOWS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	-362.990	127	56.34	-351.890	252	79.09	-275.600	377	101.84	-550.000
2	33.59	-362.990	128	56.52	-351.890	253	79.27	-275.600	378	102.02	-550.000
3	33.77	-362.990	129	56.70	-351.890	254	79.45	-275.600	379	102.20	-550.000
4	33.95	-362.990	130	56.89	-351.890	255	79.64	-275.600	380	102.39	-550.000
5	34.14	-362.990	131	57.07	-351.890	256	79.82	-275.600	381	102.57	-550.000
6	34.32	-362.990	132	57.25	-351.890	257	80.00	-275.600	382	102.75	-550.000
7	34.50	-362.990	133	57.43	-351.690	258	80.18	-275.600	383	102.93	-550.000
8	34.68	-362.990	134	57.61	-351.690	259	80.36	-275.600	384	103.11	-550.000
9	34.86	-362.990	135	57.80	-351.690	260	80.55	-275.600	385	103.30	-550.000
10	35.05	-362.990	136	57.98	-351.690	261	80.73	-275.600	386	103.48	-550.000
11	35.23	-362.990	137	58.16	-351.690	262	80.91	-275.600	387	103.66	-550.000
12	35.41	-362.990	138	58.34	-351.690	263	81.09	-275.600	388	103.84	-550.000
13	35.59	-362.990	139	58.52	-351.690	264	81.27	-275.600	389	104.02	-550.000
14	35.77	-362.990	140	58.71	-351.690	265	81.46	-275.600	390	104.21	-550.000
15	35.96	-362.990	141	58.89	-351.690	266	81.64	-275.600	391	104.39	-550.000
16	36.14	-362.990	142	59.07	-351.690	267	81.82	-275.600	392	104.57	-550.000
17	36.32	-362.990	143	59.25	-351.690	268	82.00	-275.600	393	104.75	-550.000
18	36.50	-362.990	144	59.43	-351.690	269	82.18	-275.600	394	104.93	-550.000
19	36.68	-362.990	145	59.62	-351.690	270	82.37	-275.600	395	105.12	-550.000
20	36.87	-362.990	146	59.80	-351.690	271	82.55	-275.600	396	105.30	-550.000
21	37.05	-362.990	147	59.98	-351.690	272	82.73	-275.600	397	105.48	-695.000
22	37.23	-362.990	148	60.16	-351.690	273	82.91	-275.600	398	105.66	-695.000
23	37.41	-362.990	149	60.34	-351.690	274	83.09	-275.600	399	105.84	-695.000
24	37.59	-362.990	150	60.53	-501.690	275	83.28	-275.600	400	106.03	-695.000
25	37.78	-362.990	151	60.71	-501.690	276	83.46	-275.600	401	106.21	-695.000
26	37.96	-362.990	152	60.89	-501.690	277	83.64	-275.600	402	106.39	-695.000
27	38.14	-362.990	153	61.07	-501.690	278	83.82	-275.600	403	106.57	-695.000
28	38.32	-362.990	154	61.25	-501.690	279	84.00	-275.600	404	106.75	-695.000
29	38.50	-362.990	155	61.44	-501.690	280	84.19	-275.600	405	106.94	-695.000

30	38.69	-362.990	156	61.62	-501.690	281	84.37	-275.600	406	107.12	-695.000
31	38.87	-362.990	157	61.80	-501.690	282	84.55	-275.600	407	107.30	-695.000
32	39.05	-362.990	158	61.98	-501.690	283	84.73	-275.600	408	107.48	-695.000
33	39.23	-362.990	159	62.16	-501.690	284	84.91	-275.600	409	107.66	-695.000
34	39.41	-362.990	160	62.35	-501.690	285	85.10	-275.600	410	107.85	-695.000
35	39.60	-362.990	161	62.53	-501.690	286	85.28	-275.600	411	108.03	-695.000
36	39.78	-362.990	162	62.71	-501.690	287	85.46	-275.600	412	108.21	-695.000
37	39.96	-362.990	163	62.89	-501.690	288	85.64	-275.600	413	108.39	-695.000
38	40.14	-362.990	164	63.07	-501.690	289	85.82	-275.600	414	108.57	-695.000
39	40.32	-362.990	165	63.26	-501.690	290	86.01	-275.600	415	108.76	-695.000
40	40.51	-362.990	166	63.44	-501.490	291	86.19	-275.600	416	108.94	-695.000
41	40.69	-362.990	167	63.62	-501.490	292	86.37	-275.600	417	109.12	-695.000
42	40.87	-362.990	168	63.80	-501.490	293	86.55	-275.600	418	109.30	-695.000
43	41.05	-362.990	169	63.98	-501.490	294	86.73	-275.600	419	109.48	-695.000
44	41.23	-362.990	170	64.17	-501.490	295	86.92	-275.600	420	109.67	-695.000
45	41.42	-362.990	171	64.35	-501.490	296	87.10	-275.600	421	109.85	-695.000
46	41.60	-362.990	172	64.53	-501.490	297	87.28	-275.600	422	110.03	-695.000
47	41.78	-362.990	173	64.71	-501.490	298	87.46	-275.600	423	110.21	-695.000
48	41.96	-362.990	174	64.89	-501.490	299	87.64	-275.600	424	110.39	-695.000
49	42.14	-362.990	175	65.08	-501.490	300	87.83	-550.600	425	110.58	-695.000
50	42.33	-362.990	176	65.26	-501.490	301	88.01	-550.600	426	110.76	-695.000
51	42.51	-362.990	177	65.44	-501.490	302	88.19	-550.600	427	110.94	-695.000
52	42.69	-362.990	178	65.62	-501.490	303	88.37	-550.600	428	111.12	-695.000
53	42.87	-362.990	179	65.80	-501.490	304	88.55	-550.600	429	111.30	-695.000
54	43.05	-362.990	180	65.99	-501.490	305	88.74	-550.600	430	111.49	-695.000
55	43.24	-362.990	181	66.17	-501.490	306	88.92	-550.600	431	111.67	-695.000
56	43.42	-360.090	182	66.35	-501.490	307	89.10	-550.600	432	111.85	-695.000
57	43.60	-360.090	183	66.53	-501.490	308	89.28	-550.600	433	112.03	-695.000
58	43.78	-360.090	184	66.71	-501.490	309	89.46	-550.600	434	112.21	-695.000
59	43.96	-360.090	185	66.90	-501.490	310	89.65	-550.600	435	112.40	-695.000
60	44.15	-360.090	186	67.08	-501.490	311	89.83	-550.600	436	112.58	-695.000
61	44.33	-360.090	187	67.26	-501.490	312	90.01	-550.600	437	112.76	-695.000
62	44.51	-360.090	188	67.44	-501.490	313	90.19	-550.600	438	112.94	-695.000
63	44.69	-360.090	189	67.62	-501.490	314	90.37	-550.600	439	113.12	-695.000
64	44.87	-360.090	190	67.81	-501.490	315	90.56	-550.600	440	113.31	-695.000
65	45.06	-360.090	191	67.99	-501.490	316	90.74	-550.600	441	113.49	-695.000
66	45.24	-360.090	192	68.17	-501.490	317	90.92	-550.600	442	113.67	-695.000
67	45.42	-360.090	193	68.35	-501.490	318	91.10	-550.600	443	113.85	-695.000
68	45.60	-360.090	194	68.53	-501.490	319	91.28	-550.600	444	114.03	-695.000
69	45.78	-360.090	195	68.72	-501.490	320	91.47	-550.600	445	114.22	-695.000
70	45.97	-360.090	196	68.90	-501.490	321	91.65	-550.600	446	114.40	-695.000
71	46.15	-360.090	197	69.08	-501.490	322	91.83	-550.600	447	114.58	-694.990
72	46.33	-360.090	198	69.26	-501.490	323	92.01	-550.600	448	114.76	-694.990
73	46.51	-360.090	199	69.44	-501.490	324	92.19	-550.600	449	114.94	-694.990
74	46.69	-360.090	200	69.63	-501.490	325	92.38	-550.600	450	115.13	-694.990
75	46.88	-360.090	201	69.81	-501.490	326	92.56	-550.600	451	115.31	-694.990
76	47.06	-360.090	202	69.99	-501.490	327	92.74	-550.600	452	115.49	-694.990
77	47.24	-360.090	203	70.17	-501.490	328	92.92	-550.600	453	115.67	-694.990
78	47.42	-360.090	204	70.35	-501.490	329	93.10	-550.600	454	115.85	-694.990
79	47.60	-360.090	205	70.54	-501.490	330	93.29	-550.600	455	116.04	-694.990
80	47.79	-360.090	206	70.72	-501.490	331	93.47	-550.600	456	116.22	-694.990
81	47.97	-360.090	207	70.90	-501.490	332	93.65	-550.600	457	116.40	-694.990

82	48.15	-360.090	208	71.08	-501.490	333	93.83	-550.600	458	116.58	-694.990
83	48.33	-360.090	209	71.26	-501.490	334	94.01	-550.600	459	116.76	-694.990
84	48.51	-360.090	210	71.45	-290.600	335	94.20	-550.600	460	116.95	-694.990
85	48.70	-360.090	211	71.63	-290.600	336	94.38	-550.600	461	117.13	-694.990
86	48.88	-360.090	212	71.81	-290.600	337	94.56	-550.100	462	117.31	-694.990
87	49.06	-360.090	213	71.99	-290.600	338	94.74	-550.100	463	117.49	-694.990
88	49.24	-360.090	214	72.17	-290.600	339	94.92	-550.100	464	117.67	-693.590
89	49.42	-360.090	215	72.36	-290.600	340	95.11	-550.100	465	117.86	-693.590
90	49.61	-360.090	216	72.54	-290.600	341	95.29	-550.100	466	118.04	-693.590
91	49.79	-360.090	217	72.72	-290.600	342	95.47	-550.100	467	118.22	-693.590
92	49.97	-360.090	218	72.90	-290.600	343	95.65	-550.100	468	118.40	-693.590
93	50.15	-360.090	219	73.08	-290.600	344	95.83	-550.100	469	118.58	-693.590
94	50.33	-360.090	220	73.27	-290.600	345	96.02	-550.100	470	118.77	-693.590
95	50.52	-360.090	221	73.45	-290.600	346	96.20	-550.100	471	118.95	-693.590
96	50.70	-360.090	222	73.63	-290.600	347	96.38	-550.100	472	119.13	-693.590
97	50.88	-360.090	223	73.81	-290.600	348	96.56	-550.100	473	119.31	-693.590
98	51.06	-360.090	224	73.99	-290.600	349	96.74	-550.100	474	119.49	-693.590
99	51.24	-360.090	225	74.18	-290.600	350	96.93	-550.100	475	119.68	-693.590
100	51.43	-360.090	226	74.36	-290.600	351	97.11	-550.100	476	119.86	-693.590
101	51.61	-360.090	227	74.54	-290.600	352	97.29	-550.100	477	120.04	-693.590
102	51.79	-360.090	228	74.72	-290.600	353	97.47	-550.100	478	120.22	-693.590
103	51.97	-360.090	229	74.90	-290.600	354	97.65	-550.100	479	120.40	-693.590
104	52.15	-360.090	230	75.09	-290.600	355	97.84	-550.100	480	120.59	-693.590
105	52.34	-360.090	231	75.27	-290.600	356	98.02	-550.100	481	120.77	-691.290
106	52.52	-360.090	232	75.45	-290.600	357	98.20	-550.100	482	120.95	-691.290
107	52.70	-360.090	233	75.63	-290.600	358	98.38	-550.100	483	121.13	-691.290
108	52.88	-360.090	234	75.81	-290.600	359	98.56	-550.000	484	121.31	-691.290
109	53.06	-360.090	235	76.00	-290.600	360	98.75	-550.000	485	121.50	-691.290
110	53.25	-360.090	236	76.18	-277.600	361	98.93	-550.000	486	121.68	-691.290
111	53.43	-360.090	237	76.36	-277.600	362	99.11	-550.000	487	121.86	-691.290
112	53.61	-360.090	238	76.54	-277.600	363	99.29	-550.000	488	122.04	-691.290
113	53.79	-360.090	239	76.72	-277.600	364	99.47	-550.000	489	122.22	-691.290
114	53.97	-360.090	240	76.91	-277.600	365	99.66	-550.000	490	122.41	-691.290
115	54.16	-360.090	241	77.09	-277.600	366	99.84	-550.000	491	122.59	-691.290
116	54.34	-360.090	242	77.27	-277.600	367	100.02	-550.000	492	122.77	-691.290
117	54.52	-351.890	243	77.45	-276.100	368	100.20	-550.000	493	122.95	-691.290
118	54.70	-351.890	244	77.63	-276.100	369	100.38	-550.000	494	123.13	-691.290
119	54.88	-351.890	245	77.82	-276.100	370	100.57	-550.000	495	123.32	-691.290
120	55.07	-351.890	246	78.00	-276.100	371	100.75	-550.000	496	123.50	-690.890
121	55.25	-351.890	247	78.18	-276.100	372	100.93	-550.000	497	123.68	-690.890
122	55.43	-351.890	248	78.36	-276.100	373	101.11	-550.000	498	123.86	-690.890
123	55.61	-351.890	249	78.54	-275.600	374	101.29	-550.000	499	124.04	-690.890
124	55.79	-351.890	250	78.73	-275.600	375	101.48	-550.000	500	124.23	-690.890
125	55.98	-351.890	251	78.91	-275.600	376	101.66	-550.000	501	124.41	-690.890
126	56.16	-351.890									

0********** RESIDENCE TIME (DAYS) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	18.318	127	56.34	12.293	252	79.09	7.591	377	101.84	3.236
2	33.59	18.184	128	56.52	12.244	253	79.27	7.536	378	102.02	3.212
3	33.77	18.053	129	56.70	12.195	254	79.45	7.481	379	102.20	3.188
4	33.95	17.926	130	56.89	12.146	255	79.64	7.426	380	102.39	3.163

5	34.14	17.803	131	57.07	12.098	256	79.82	7.372	381	102.57	3.140
6	34.32	17.685	132	57.25	12.050	257	80.00	7.317	382	102.75	3.116
7	34.50	17.572	133	57.43	12.002	258	80.18	7.263	383	102.93	3.092
8	34.68	17.464	134	57.61	11.955	259	80.36	7.209	384	103.11	3.068
9	34.86	17.360	135	57.80	11.907	260	80.55	7.156	385	103.30	3.044
10	35.05	17.260	136	57.98	11.860	261	80.73	7.103	386	103.48	3.020
11	35.23	17.165	137	58.16	11.814	262	80.91	7.049	387	103.66	2.996
12	35.41	17.075	138	58.34	11.767	263	81.09	6.996	388	103.84	2.972
13	35.59	16.989	139	58.52	11.721	264	81.27	6.943	389	104.02	2.948
14	35.77	16.908	140	58.71	11.675	265	81.46	6.891	390	104.21	2.924
15	35.96	16.831	141	58.89	11.629	266	81.64	6.838	391	104.39	2.900
16	36.14	16.759	142	59.07	11.584	267	81.82	6.785	392	104.57	2.875
17	36.32	16.691	143	59.25	11.539	268	82.00	6.733	393	104.75	2.850
18	36.50	16.627	144	59.43	11.494	269	82.18	6.681	394	104.93	2.826
19	36.68	16.568	145	59.62	11.449	270	82.37	6.630	395	105.12	2.800
20	36.87	16.512	146	59.80	11.405	271	82.55	6.578	396	105.30	2.775
21	37.05	16.458	147	59.98	11.361	272	82.73	6.527	397	105.48	2.750
22	37.23	16.406	148	60.16	11.318	273	82.91	6.476	398	105.66	2.729
23	37.41	16.357	149	60.34	11.274	274	83.09	6.425	399	105.84	2.709
24	37.59	16.310	150	60.53	11.231	275	83.28	6.375	400	106.03	2.688
25	37.78	16.264	151	60.71	11.201	276	83.46	6.324	401	106.21	2.667
26	37.96	16.219	152	60.89	11.171	277	83.64	6.274	402	106.39	2.647
27	38.14	16.174	153	61.07	11.142	278	83.82	6.225	403	106.57	2.626
28	38.32	16.129	154	61.25	11.112	279	84.00	6.175	404	106.75	2.605
29	38.50	16.085	155	61.44	11.083	280	84.19	6.126	405	106.94	2.583
30	38.69	16.040	156	61.62	11.054	281	84.37	6.077	406	107.12	2.562
31	38.87	15.996	157	61.80	11.026	282	84.55	6.028	407	107.30	2.541
32	39.05	15.952	158	61.98	10.997	283	84.73	5.979	408	107.48	2.520
33	39.23	15.909	159	62.16	10.969	284	84.91	5.931	409	107.66	2.499
34	39.41	15.866	160	62.35	10.941	285	85.10	5.882	410	107.85	2.477
35	39.60	15.823	161	62.53	10.912	286	85.28	5.834	411	108.03	2.456
36	39.78	15.780	162	62.71	10.884	287	85.46	5.786	412	108.21	2.434
37	39.96	15.737	163	62.89	10.857	288	85.64	5.738	413	108.39	2.413
38	40.14	15.695	164	63.07	10.829	289	85.82	5.690	414	108.57	2.391
39	40.32	15.654	165	63.26	10.801	290	86.01	5.643	415	108.76	2.370
40	40.51	15.612	166	63.44	10.774	291	86.19	5.595	416	108.94	2.348
41	40.69	15.571	167	63.62	10.746	292	86.37	5.548	417	109.12	2.326
42	40.87	15.530	168	63.80	10.719	293	86.55	5.502	418	109.30	2.305
43	41.05	15.489	169	63.98	10.692	294	86.73	5.455	419	109.48	2.283
44	41.23	15.448	170	64.17	10.664	295	86.92	5.408	420	109.67	2.261
45	41.42	15.408	171	64.35	10.638	296	87.10	5.362	421	109.85	2.239
46	41.60	15.367	172	64.53	10.611	297	87.28	5.315	422	110.03	2.217
47	41.78	15.327	173	64.71	10.584	298	87.46	5.268	423	110.21	2.195
48	41.96	15.286	174	64.89	10.558	299	87.64	5.221	424	110.39	2.173
49	42.14	15.246	175	65.08	10.531	300	87.83	5.174	425	110.58	2.151
50	42.33	15.206	176	65.26	10.505	301	88.01	5.150	426	110.76	2.128
51	42.51	15.166	177	65.44	10.479	302	88.19	5.127	427	110.94	2.106
52	42.69	15.125	178	65.62	10.453	303	88.37	5.102	428	111.12	2.084
53	42.87	15.085	179	65.80	10.427	304	88.55	5.078	429	111.30	2.061
54	43.05	15.045	180	65.99	10.401	305	88.74	5.054	430	111.49	2.039
55	43.24	15.005	181	66.17	10.376	306	88.92	5.029	431	111.67	2.017
56	43.42	14.966	182	66.35	10.351	307	89.10	5.004	432	111.85	1.994

57	43.60	14.925	183	66.53	10.325	308	89.28	4.979	433	112.03	1.972
58	43.78	14.885	184	66.71	10.300	309	89.46	4.954	434	112.21	1.949
59	43.96	14.845	185	66.90	10.276	310	89.65	4.929	435	112.40	1.926
60	44.15	14.805	186	67.08	10.251	311	89.83	4.903	436	112.58	1.903
61	44.33	14.766	187	67.26	10.226	312	90.01	4.878	437	112.76	1.881
62	44.51	14.726	188	67.44	10.202	313	90.19	4.852	438	112.94	1.858
63	44.69	14.686	189	67.62	10.177	314	90.37	4.826	439	113.12	1.835
64	44.87	14.646	190	67.81	10.153	315	90.56	4.799	440	113.31	1.812
65	45.06	14.607	191	67.99	10.129	316	90.74	4.773	441	113.49	1.789
66	45.24	14.567	192	68.17	10.105	317	90.92	4.747	442	113.67	1.766
67	45.42	14.528	193	68.35	10.081	318	91.10	4.721	443	113.85	1.743
68	45.60	14.488	194	68.53	10.058	319	91.28	4.694	444	114.03	1.719
69	45.78	14.449	195	68.72	10.035	320	91.47	4.668	445	114.22	1.696
70	45.97	14.409	196	68.90	10.011	321	91.65	4.642	446	114.40	1.672
71	46.15	14.370	197	69.08	9.988	322	91.83	4.616	447	114.58	1.649
72	46.33	14.331	198	69.26	9.965	323	92.01	4.590	448	114.76	1.625
73	46.51	14.292	199	69.44	9.942	324	92.19	4.564	449	114.94	1.600
74	46.69	14.253	200	69.63	9.919	325	92.38	4.538	450	115.13	1.576
75	46.88	14.214	201	69.81	9.896	326	92.56	4.512	451	115.31	1.552
76	47.06	14.175	202	69.99	9.873	327	92.74	4.486	452	115.49	1.527
77	47.24	14.136	203	70.17	9.850	328	92.92	4.460	453	115.67	1.502
78	47.42	14.098	204	70.35	9.827	329	93.10	4.434	454	115.85	1.477
79	47.60	14.059	205	70.54	9.804	330	93.29	4.409	455	116.04	1.452
80	47.79	14.021	206	70.72	9.781	331	93.47	4.383	456	116.22	1.426
81	47.97	13.982	207	70.90	9.758	332	93.65	4.357	457	116.40	1.400
82	48.15	13.944	208	71.08	9.735	333	93.83	4.332	458	116.58	1.374
83	48.33	13.905	209	71.26	9.712	334	94.01	4.306	459	116.76	1.348
84	48.51	13.866	210	71.45	9.688	335	94.20	4.280	460	116.95	1.321
85	48.70	13.828	211	71.63	9.648	336	94.38	4.255	461	117.13	1.295
86	48.88	13.790	212	71.81	9.607	337	94.56	4.229	462	117.31	1.268
87	49.06	13.753	213	71.99	9.566	338	94.74	4.204	463	117.49	1.241
88	49.24	13.717	214	72.17	9.524	339	94.92	4.178	464	117.67	1.213
89	49.42	13.682	215	72.36	9.482	340	95.11	4.153	465	117.86	1.186
90	49.61	13.648	216	72.54	9.439	341	95.29	4.127	466	118.04	1.158
91	49.79	13.614	217	72.72	9.396	342	95.47	4.102	467	118.22	1.130
92	49.97	13.581	218	72.90	9.353	343	95.65	4.076	468	118.40	1.102
93	50.15	13.548	219	73.08	9.309	344	95.83	4.051	469	118.58	1.073
94	50.33	13.515	220	73.27	9.264	345	96.02	4.026	470	118.77	1.045
95	50.52	13.483	221	73.45	9.219	346	96.20	4.001	471	118.95	1.016
96	50.70	13.451	222	73.63	9.174	347	96.38	3.975	472	119.13	.987
97	50.88	13.420	223	73.81	9.128	348	96.56	3.950	473	119.31	.957
98	51.06	13.389	224	73.99	9.082	349	96.74	3.925	474	119.49	.928
99	51.24	13.358	225	74.18	9.035	350	96.93	3.900	475	119.68	.898
100	51.43	13.328	226	74.36	8.987	351	97.11	3.875	476	119.86	.868
101	51.61	13.299	227	74.54	8.939	352	97.29	3.850	477	120.04	.837
102	51.79	13.270	228	74.72	8.890	353	97.47	3.825	478	120.22	.807
103	51.97	13.241	229	74.90	8.841	354	97.65	3.800	479	120.40	.776
104	52.15	13.214	230	75.09	8.792	355	97.84	3.775	480	120.59	.745
105	52.34	13.187	231	75.27	8.742	356	98.02	3.750	481	120.77	.714
106	52.52	13.160	232	75.45	8.692	357	98.20	3.725	482	120.95	.682
107	52.70	13.134	233	75.63	8.641	358	98.38	3.700	483	121.13	.650
108	52.88	13.108	234	75.81	8.590	359	98.56	3.676	484	121.31	.618

109	53.06	13.080	235	76.00	8.539	360	98.75	3.651	485	121.50	.586
110	53.25	13.052	236	76.18	8.487	361	98.93	3.626	486	121.68	.553
111	53.43	13.023	237	76.36	8.432	362	99.11	3.601	487	121.86	.520
112	53.61	12.993	238	76.54	8.377	363	99.29	3.577	488	122.04	.487
113	53.79	12.961	239	76.72	8.322	364	99.47	3.552	489	122.22	.454
114	53.97	12.925	240	76.91	8.266	365	99.66	3.528	490	122.41	.421
115	54.16	12.885	241	77.09	8.210	366	99.84	3.503	491	122.59	.387
116	54.34	12.842	242	77.27	8.154	367	100.02	3.479	492	122.77	.353
117	54.52	12.795	243	77.45	8.098	368	100.20	3.454	493	122.95	.319
118	54.70	12.744	244	77.63	8.041	369	100.38	3.430	494	123.13	.285
119	54.88	12.693	245	77.82	7.984	370	100.57	3.405	495	123.32	.250
120	55.07	12.643	246	78.00	7.928	371	100.75	3.381	496	123.50	.215
121	55.25	12.592	247	78.18	7.871	372	100.93	3.357	497	123.68	.180
122	55.43	12.542	248	78.36	7.815	373	101.11	3.332	498	123.86	.144
123	55.61	12.491	249	78.54	7.759	374	101.29	3.308	499	124.04	.109
124	55.79	12.442	250	78.73	7.703	375	101.48	3.284	500	124.23	.073
125	55.98	12.392	251	78.91	7.647	376	101.66	3.260	501	124.41	.036
126	56.16	12.342									

1**

STEADY STATE NBOD INPUT CONDITIONS

0

0******************** POINT SOURCE INFLOW CONCENTRATIONS (PPM) ********************

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	51.820	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	33.090	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000

24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	61.390	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	10.280	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	87.700
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000

76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	8.820	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	17.220	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	6.430
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	8.600
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	42.250	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	18.520	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	32.340	243	77.45	63.190	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	39.860
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	17.220	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	7.740
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1

Bayou Teche--recalibration of APR 78 calibration

STEADY STATE NBOD CONCENTRATIONS (PPM)

OUTFLOW AT DOWNSTREAM END = 363.1 CFS

0

CONCENTRATIONS (PPM)

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	5.617	127	56.34	6.577	252	79.09	5.803	377	101.84	6.850
2	33.59	5.630	128	56.52	6.591	253	79.27	5.815	378	102.02	6.856
3	33.77	5.657	129	56.70	6.605	254	79.45	5.827	379	102.20	6.862
4	33.95	5.686	130	56.89	6.618	255	79.64	5.840	380	102.39	6.869
5	34.14	5.716	131	57.07	6.632	256	79.82	5.852	381	102.57	6.875
6	34.32	5.745	132	57.25	6.645	257	80.00	5.864	382	102.75	6.881
7	34.50	5.773	133	57.43	6.658	258	80.18	5.877	383	102.93	6.888
8	34.68	5.800	134	57.61	6.660	259	80.36	5.889	384	103.11	6.894
9	34.86	5.826	135	57.80	6.671	260	80.55	5.901	385	103.30	6.900
10	35.05	5.851	136	57.98	6.683	261	80.73	5.913	386	103.48	6.907
11	35.23	5.875	137	58.16	6.696	262	80.91	5.925	387	103.66	6.913
12	35.41	5.898	138	58.34	6.710	263	81.09	5.938	388	103.84	6.920
13	35.59	5.920	139	58.52	6.723	264	81.27	5.950	389	104.02	6.926
14	35.77	5.940	140	58.71	6.736	265	81.46	5.962	390	104.21	6.932
15	35.96	5.960	141	58.89	6.749	266	81.64	5.974	391	104.39	6.939
16	36.14	5.979	142	59.07	6.762	267	81.82	5.986	392	104.57	6.946
17	36.32	5.996	143	59.25	6.774	268	82.00	5.998	393	104.75	6.952
18	36.50	6.013	144	59.43	6.787	269	82.18	6.010	394	104.93	6.959
19	36.68	6.028	145	59.62	6.800	270	82.37	6.022	395	105.12	6.966
20	36.87	6.043	146	59.80	6.813	271	82.55	6.034	396	105.30	6.972
21	37.05	6.056	147	59.98	6.825	272	82.73	6.046	397	105.48	6.979
22	37.23	6.070	148	60.16	6.838	273	82.91	6.058	398	105.66	6.985
23	37.41	6.083	149	60.34	6.850	274	83.09	6.070	399	105.84	6.990
24	37.59	6.095	150	60.53	6.863	275	83.28	6.082	400	106.03	6.996
25	37.78	6.107	151	60.71	6.872	276	83.46	6.094	401	106.21	7.002
26	37.96	6.118	152	60.89	6.881	277	83.64	6.105	402	106.39	7.007
27	38.14	6.130	153	61.07	6.889	278	83.82	6.117	403	106.57	7.013
28	38.32	6.141	154	61.25	6.898	279	84.00	6.129	404	106.75	7.019
29	38.50	6.153	155	61.44	6.906	280	84.19	6.141	405	106.94	7.024
30	38.69	6.164	156	61.62	6.915	281	84.37	6.152	406	107.12	7.030
31	38.87	6.176	157	61.80	6.923	282	84.55	6.164	407	107.30	7.036
32	39.05	6.187	158	61.98	6.931	283	84.73	6.176	408	107.48	7.042
33	39.23	6.199	159	62.16	6.940	284	84.91	6.187	409	107.66	7.047
34	39.41	6.210	160	62.35	6.948	285	85.10	6.199	410	107.85	7.053
35	39.60	6.221	161	62.53	6.956	286	85.28	6.210	411	108.03	7.059
36	39.78	6.232	162	62.71	6.964	287	85.46	6.222	412	108.21	7.065
37	39.96	6.243	163	62.89	6.973	288	85.64	6.233	413	108.39	7.071
38	40.14	6.254	164	63.07	6.981	289	85.82	6.245	414	108.57	7.077
39	40.32	6.265	165	63.26	6.989	290	86.01	6.256	415	108.76	7.082

40	40.51	6.276	166	63.44	6.997	291	86.19	6.268	416	108.94	7.088
41	40.69	6.287	167	63.62	6.986	292	86.37	6.279	417	109.12	7.094
42	40.87	6.298	168	63.80	6.992	293	86.55	6.291	418	109.30	7.100
43	41.05	6.309	169	63.98	6.999	294	86.73	6.302	419	109.48	7.106
44	41.23	6.320	170	64.17	7.007	295	86.92	6.313	420	109.67	7.112
45	41.42	6.331	171	64.35	7.015	296	87.10	6.325	421	109.85	7.118
46	41.60	6.341	172	64.53	7.023	297	87.28	6.336	422	110.03	7.124
47	41.78	6.352	173	64.71	7.031	298	87.46	6.347	423	110.21	7.130
48	41.96	6.363	174	64.89	7.039	299	87.64	6.359	424	110.39	7.137
49	42.14	6.374	175	65.08	7.047	300	87.83	6.370	425	110.58	7.143
50	42.33	6.385	176	65.26	7.054	301	88.01	6.377	426	110.76	7.149
51	42.51	6.395	177	65.44	7.062	302	88.19	6.383	427	110.94	7.155
52	42.69	6.406	178	65.62	7.070	303	88.37	6.389	428	111.12	7.161
53	42.87	6.417	179	65.80	7.078	304	88.55	6.395	429	111.30	7.167
54	43.05	6.428	180	65.99	7.085	305	88.74	6.401	430	111.49	7.173
55	43.24	6.438	181	66.17	7.093	306	88.92	6.407	431	111.67	7.180
56	43.42	6.449	182	66.35	7.100	307	89.10	6.413	432	111.85	7.186
57	43.60	6.433	183	66.53	7.108	308	89.28	6.419	433	112.03	7.192
58	43.78	6.440	184	66.71	7.116	309	89.46	6.425	434	112.21	7.198
59	43.96	6.451	185	66.90	7.123	310	89.65	6.432	435	112.40	7.205
60	44.15	6.462	186	67.08	7.130	311	89.83	6.438	436	112.58	7.211
61	44.33	6.473	187	67.26	7.138	312	90.01	6.444	437	112.76	7.217
62	44.51	6.483	188	67.44	7.145	313	90.19	6.451	438	112.94	7.224
63	44.69	6.494	189	67.62	7.152	314	90.37	6.457	439	113.12	7.230
64	44.87	6.505	190	67.81	7.160	315	90.56	6.464	440	113.31	7.237
65	45.06	6.515	191	67.99	7.167	316	90.74	6.470	441	113.49	7.243
66	45.24	6.526	192	68.17	7.174	317	90.92	6.477	442	113.67	7.249
67	45.42	6.537	193	68.35	7.181	318	91.10	6.483	443	113.85	7.256
68	45.60	6.547	194	68.53	7.188	319	91.28	6.490	444	114.03	7.262
69	45.78	6.558	195	68.72	7.196	320	91.47	6.497	445	114.22	7.269
70	45.97	6.569	196	68.90	7.203	321	91.65	6.503	446	114.40	7.276
71	46.15	6.580	197	69.08	7.210	322	91.83	6.510	447	114.58	7.282
72	46.33	6.591	198	69.26	7.217	323	92.01	6.516	448	114.76	7.288
73	46.51	6.601	199	69.44	7.224	324	92.19	6.523	449	114.94	7.295
74	46.69	6.612	200	69.63	7.231	325	92.38	6.529	450	115.13	7.302
75	46.88	6.623	201	69.81	7.238	326	92.56	6.536	451	115.31	7.309
76	47.06	6.634	202	69.99	7.245	327	92.74	6.542	452	115.49	7.315
77	47.24	6.645	203	70.17	7.252	328	92.92	6.549	453	115.67	7.323
78	47.42	6.656	204	70.35	7.259	329	93.10	6.555	454	115.85	7.330
79	47.60	6.666	205	70.54	7.266	330	93.29	6.562	455	116.04	7.337
80	47.79	6.677	206	70.72	7.273	331	93.47	6.569	456	116.22	7.344
81	47.97	6.688	207	70.90	7.280	332	93.65	6.575	457	116.40	7.351
82	48.15	6.699	208	71.08	7.287	333	93.83	6.582	458	116.58	7.359
83	48.33	6.710	209	71.26	7.293	334	94.01	6.588	459	116.76	7.366
84	48.51	6.720	210	71.45	7.300	335	94.20	6.595	460	116.95	7.374
85	48.70	6.731	211	71.63	6.329	336	94.38	6.601	461	117.13	7.381
86	48.88	6.742	212	71.81	6.232	337	94.56	6.608	462	117.31	7.389
87	49.06	6.753	213	71.99	6.230	338	94.74	6.605	463	117.49	7.397
88	49.24	6.763	214	72.17	6.239	339	94.92	6.611	464	117.67	7.404
89	49.42	6.773	215	72.36	6.249	340	95.11	6.618	465	117.86	7.414
90	49.61	6.783	216	72.54	6.259	341	95.29	6.624	466	118.04	7.422
91	49.79	6.793	217	72.72	6.269	342	95.47	6.631	467	118.22	7.430

92	49.97	6.802	218	72.90	6.280	343	95.65	6.637	468	118.40	7.438
93	50.15	6.812	219	73.08	6.290	344	95.83	6.644	469	118.58	7.447
94	50.33	6.821	220	73.27	6.301	345	96.02	6.650	470	118.77	7.455
95	50.52	6.830	221	73.45	6.312	346	96.20	6.657	471	118.95	7.463
96	50.70	6.839	222	73.63	6.323	347	96.38	6.663	472	119.13	7.471
97	50.88	6.849	223	73.81	6.334	348	96.56	6.669	473	119.31	7.480
98	51.06	6.858	224	73.99	6.346	349	96.74	6.676	474	119.49	7.488
99	51.24	6.866	225	74.18	6.357	350	96.93	6.682	475	119.68	7.497
100	51.43	6.875	226	74.36	6.369	351	97.11	6.689	476	119.86	7.506
101	51.61	6.884	227	74.54	6.381	352	97.29	6.695	477	120.04	7.515
102	51.79	6.892	228	74.72	6.393	353	97.47	6.702	478	120.22	7.523
103	51.97	6.900	229	74.90	6.405	354	97.65	6.708	479	120.40	7.532
104	52.15	6.909	230	75.09	6.417	355	97.84	6.715	480	120.59	7.541
105	52.34	6.916	231	75.27	6.429	356	98.02	6.721	481	120.77	7.550
106	52.52	6.924	232	75.45	6.442	357	98.20	6.728	482	120.95	7.557
107	52.70	6.932	233	75.63	6.454	358	98.38	6.734	483	121.13	7.566
108	52.88	6.939	234	75.81	6.467	359	98.56	6.741	484	121.31	7.575
109	53.06	6.947	235	76.00	6.480	360	98.75	6.741	485	121.50	7.584
110	53.25	6.955	236	76.18	6.493	361	98.93	6.747	486	121.68	7.594
111	53.43	6.964	237	76.36	6.023	362	99.11	6.753	487	121.86	7.603
112	53.61	6.973	238	76.54	5.967	363	99.29	6.760	488	122.04	7.613
113	53.79	6.982	239	76.72	5.970	364	99.47	6.766	489	122.22	7.623
114	53.97	6.992	240	76.91	5.982	365	99.66	6.773	490	122.41	7.633
115	54.16	7.003	241	77.09	5.994	366	99.84	6.779	491	122.59	7.643
116	54.34	7.015	242	77.27	6.007	367	100.02	6.786	492	122.77	7.653
117	54.52	7.029	243	77.45	6.020	368	100.20	6.792	493	122.95	7.663
118	54.70	6.592	244	77.63	5.768	369	100.38	6.798	494	123.13	7.673
119	54.88	6.500	245	77.82	5.742	370	100.57	6.805	495	123.32	7.683
120	55.07	6.489	246	78.00	5.749	371	100.75	6.811	496	123.50	7.694
121	55.25	6.497	247	78.18	5.761	372	100.93	6.818	497	123.68	7.687
122	55.43	6.509	248	78.36	5.773	373	101.11	6.824	498	123.86	7.696
123	55.61	6.523	249	78.54	5.786	374	101.29	6.830	499	124.04	7.706
124	55.79	6.537	250	78.73	5.781	375	101.48	6.837	500	124.23	7.717
125	55.98	6.550	251	78.91	5.791	376	101.66	6.843	501	124.41	7.728
126	56.16	6.564									

1**********

STEADY STATE CBOD INPUT CONDITIONS

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	82.730	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000

7	34.50	.000	133	57.43	17.700	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	98.290	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	23.250	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000

59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	144.990
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	6.680	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	230.020	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	6.910
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	11.500
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	67.380	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	26.490	361	98.93	.000	486	121.68	.000

111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	22.640	243	77.45	101.430	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	54.260
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	230.020	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	6.900
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

********** Bayou Teche--recalibration of APR 78 calibration **********

********** STEADY STATE CBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 363.1 CFS **********

****

0

0 CONCENTRATIONS (PPM)

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.751	127	56.34	3.380	252	79.09	2.586	377	101.84	4.456
2	33.59	1.759	128	56.52	3.404	253	79.27	2.605	378	102.02	4.470
3	33.77	1.785	129	56.70	3.428	254	79.45	2.624	379	102.20	4.485
4	33.95	1.816	130	56.89	3.452	255	79.64	2.644	380	102.39	4.500
5	34.14	1.848	131	57.07	3.476	256	79.82	2.664	381	102.57	4.515
6	34.32	1.880	132	57.25	3.500	257	80.00	2.684	382	102.75	4.530
7	34.50	1.912	133	57.43	3.524	258	80.18	2.704	383	102.93	4.545
8	34.68	1.942	134	57.61	3.542	259	80.36	2.724	384	103.11	4.560
9	34.86	1.972	135	57.80	3.565	260	80.55	2.744	385	103.30	4.575
10	35.05	2.001	136	57.98	3.589	261	80.73	2.764	386	103.48	4.590
11	35.23	2.029	137	58.16	3.613	262	80.91	2.784	387	103.66	4.605
12	35.41	2.056	138	58.34	3.637	263	81.09	2.805	388	103.84	4.620
13	35.59	2.082	139	58.52	3.661	264	81.27	2.825	389	104.02	4.635
14	35.77	2.107	140	58.71	3.686	265	81.46	2.846	390	104.21	4.651
15	35.96	2.131	141	58.89	3.710	266	81.64	2.866	391	104.39	4.666
16	36.14	2.154	142	59.07	3.734	267	81.82	2.887	392	104.57	4.682
17	36.32	2.176	143	59.25	3.759	268	82.00	2.908	393	104.75	4.698
18	36.50	2.196	144	59.43	3.783	269	82.18	2.928	394	104.93	4.714
19	36.68	2.215	145	59.62	3.807	270	82.37	2.949	395	105.12	4.730
20	36.87	2.233	146	59.80	3.832	271	82.55	2.970	396	105.30	4.747
21	37.05	2.251	147	59.98	3.856	272	82.73	2.991	397	105.48	4.763
22	37.23	2.268	148	60.16	3.880	273	82.91	3.012	398	105.66	4.777

23	37.41	2.285	149	60.34	3.905	274	83.09	3.033	399	105.84	4.790
24	37.59	2.300	150	60.53	3.929	275	83.28	3.054	400	106.03	4.804
25	37.78	2.315	151	60.71	3.947	276	83.46	3.076	401	106.21	4.818
26	37.96	2.331	152	60.89	3.964	277	83.64	3.097	402	106.39	4.832
27	38.14	2.346	153	61.07	3.981	278	83.82	3.118	403	106.57	4.845
28	38.32	2.361	154	61.25	3.998	279	84.00	3.139	404	106.75	4.860
29	38.50	2.376	155	61.44	4.015	280	84.19	3.161	405	106.94	4.874
30	38.69	2.391	156	61.62	4.032	281	84.37	3.182	406	107.12	4.888
31	38.87	2.406	157	61.80	4.048	282	84.55	3.203	407	107.30	4.902
32	39.05	2.422	158	61.98	4.065	283	84.73	3.225	408	107.48	4.916
33	39.23	2.437	159	62.16	4.082	284	84.91	3.246	409	107.66	4.931
34	39.41	2.452	160	62.35	4.098	285	85.10	3.268	410	107.85	4.945
35	39.60	2.467	161	62.53	4.115	286	85.28	3.290	411	108.03	4.960
36	39.78	2.483	162	62.71	4.132	287	85.46	3.312	412	108.21	4.975
37	39.96	2.498	163	62.89	4.148	288	85.64	3.333	413	108.39	4.989
38	40.14	2.513	164	63.07	4.165	289	85.82	3.355	414	108.57	5.004
39	40.32	2.528	165	63.26	4.182	290	86.01	3.377	415	108.76	5.019
40	40.51	2.543	166	63.44	4.198	291	86.19	3.399	416	108.94	5.034
41	40.69	2.558	167	63.62	4.183	292	86.37	3.421	417	109.12	5.049
42	40.87	2.573	168	63.80	4.195	293	86.55	3.443	418	109.30	5.064
43	41.05	2.589	169	63.98	4.210	294	86.73	3.466	419	109.48	5.079
44	41.23	2.604	170	64.17	4.227	295	86.92	3.488	420	109.67	5.095
45	41.42	2.619	171	64.35	4.243	296	87.10	3.510	421	109.85	5.110
46	41.60	2.634	172	64.53	4.260	297	87.28	3.533	422	110.03	5.125
47	41.78	2.650	173	64.71	4.276	298	87.46	3.556	423	110.21	5.141
48	41.96	2.665	174	64.89	4.292	299	87.64	3.578	424	110.39	5.157
49	42.14	2.681	175	65.08	4.309	300	87.83	3.602	425	110.58	5.172
50	42.33	2.696	176	65.26	4.325	301	88.01	3.614	426	110.76	5.188
51	42.51	2.712	177	65.44	4.341	302	88.19	3.626	427	110.94	5.204
52	42.69	2.728	178	65.62	4.357	303	88.37	3.638	428	111.12	5.220
53	42.87	2.743	179	65.80	4.374	304	88.55	3.650	429	111.30	5.236
54	43.05	2.759	180	65.99	4.390	305	88.74	3.662	430	111.49	5.252
55	43.24	2.775	181	66.17	4.406	306	88.92	3.675	431	111.67	5.269
56	43.42	2.791	182	66.35	4.422	307	89.10	3.687	432	111.85	5.285
57	43.60	2.660	183	66.53	4.438	308	89.28	3.700	433	112.03	5.301
58	43.78	2.660	184	66.71	4.454	309	89.46	3.713	434	112.21	5.318
59	43.96	2.673	185	66.90	4.470	310	89.65	3.726	435	112.40	5.334
60	44.15	2.689	186	67.08	4.486	311	89.83	3.739	436	112.58	5.351
61	44.33	2.704	187	67.26	4.502	312	90.01	3.752	437	112.76	5.368
62	44.51	2.720	188	67.44	4.518	313	90.19	3.765	438	112.94	5.385
63	44.69	2.735	189	67.62	4.534	314	90.37	3.779	439	113.12	5.402
64	44.87	2.750	190	67.81	4.550	315	90.56	3.793	440	113.31	5.419
65	45.06	2.766	191	67.99	4.566	316	90.74	3.806	441	113.49	5.436
66	45.24	2.781	192	68.17	4.582	317	90.92	3.820	442	113.67	5.453
67	45.42	2.797	193	68.35	4.597	318	91.10	3.834	443	113.85	5.471
68	45.60	2.812	194	68.53	4.613	319	91.28	3.848	444	114.03	5.488
69	45.78	2.828	195	68.72	4.628	320	91.47	3.862	445	114.22	5.506
70	45.97	2.844	196	68.90	4.644	321	91.65	3.875	446	114.40	5.524
71	46.15	2.860	197	69.08	4.659	322	91.83	3.889	447	114.58	5.542
72	46.33	2.876	198	69.26	4.675	323	92.01	3.903	448	114.76	5.558
73	46.51	2.893	199	69.44	4.690	324	92.19	3.917	449	114.94	5.577
74	46.69	2.909	200	69.63	4.706	325	92.38	3.931	450	115.13	5.595

75	46.88	2.925	201	69.81	4.722	326	92.56	3.945	451	115.31	5.614
76	47.06	2.942	202	69.99	4.737	327	92.74	3.959	452	115.49	5.633
77	47.24	2.958	203	70.17	4.753	328	92.92	3.974	453	115.67	5.652
78	47.42	2.974	204	70.35	4.769	329	93.10	3.988	454	115.85	5.672
79	47.60	2.991	205	70.54	4.784	330	93.29	4.002	455	116.04	5.692
80	47.79	3.008	206	70.72	4.800	331	93.47	4.016	456	116.22	5.712
81	47.97	3.024	207	70.90	4.816	332	93.65	4.030	457	116.40	5.732
82	48.15	3.041	208	71.08	4.832	333	93.83	4.045	458	116.58	5.753
83	48.33	3.058	209	71.26	4.848	334	94.01	4.059	459	116.76	5.773
84	48.51	3.075	210	71.45	4.864	335	94.20	4.073	460	116.95	5.794
85	48.70	3.092	211	71.63	3.717	336	94.38	4.088	461	117.13	5.816
86	48.88	3.109	212	71.81	3.610	337	94.56	4.102	462	117.31	5.837
87	49.06	3.126	213	71.99	3.617	338	94.74	3.926	463	117.49	5.859
88	49.24	3.142	214	72.17	3.636	339	94.92	3.926	464	117.67	5.881
89	49.42	3.158	215	72.36	3.657	340	95.11	3.939	465	117.86	5.901
90	49.61	3.174	216	72.54	3.678	341	95.29	3.952	466	118.04	5.924
91	49.79	3.189	217	72.72	3.700	342	95.47	3.966	467	118.22	5.947
92	49.97	3.205	218	72.90	3.722	343	95.65	3.980	468	118.40	5.970
93	50.15	3.220	219	73.08	3.744	344	95.83	3.994	469	118.58	5.993
94	50.33	3.235	220	73.27	3.767	345	96.02	4.008	470	118.77	6.017
95	50.52	3.250	221	73.45	3.790	346	96.20	4.022	471	118.95	6.040
96	50.70	3.265	222	73.63	3.814	347	96.38	4.036	472	119.13	6.065
97	50.88	3.280	223	73.81	3.838	348	96.56	4.050	473	119.31	6.089
98	51.06	3.295	224	73.99	3.862	349	96.74	4.064	474	119.49	6.114
99	51.24	3.309	225	74.18	3.887	350	96.93	4.078	475	119.68	6.139
100	51.43	3.324	226	74.36	3.913	351	97.11	4.092	476	119.86	6.164
101	51.61	3.338	227	74.54	3.939	352	97.29	4.106	477	120.04	6.190
102	51.79	3.352	228	74.72	3.965	353	97.47	4.120	478	120.22	6.216
103	51.97	3.366	229	74.90	3.992	354	97.65	4.134	479	120.40	6.242
104	52.15	3.379	230	75.09	4.019	355	97.84	4.149	480	120.59	6.269
105	52.34	3.393	231	75.27	4.046	356	98.02	4.163	481	120.77	6.296
106	52.52	3.406	232	75.45	4.074	357	98.20	4.177	482	120.95	6.307
107	52.70	3.418	233	75.63	4.102	358	98.38	4.191	483	121.13	6.334
108	52.88	3.431	234	75.81	4.131	359	98.56	4.206	484	121.31	6.362
109	53.06	3.445	235	76.00	4.160	360	98.75	4.209	485	121.50	6.390
110	53.25	3.459	236	76.18	4.190	361	98.93	4.223	486	121.68	6.419
111	53.43	3.473	237	76.36	3.325	362	99.11	4.237	487	121.86	6.447
112	53.61	3.488	238	76.54	3.224	363	99.29	4.251	488	122.04	6.477
113	53.79	3.504	239	76.72	3.231	364	99.47	4.266	489	122.22	6.506
114	53.97	3.521	240	76.91	3.253	365	99.66	4.280	490	122.41	6.536
115	54.16	3.540	241	77.09	3.277	366	99.84	4.295	491	122.59	6.567
116	54.34	3.562	242	77.27	3.303	367	100.02	4.309	492	122.77	6.597
117	54.52	3.585	243	77.45	3.328	368	100.20	4.324	493	122.95	6.628
118	54.70	3.271	244	77.63	2.899	369	100.38	4.338	494	123.13	6.659
119	54.88	3.215	245	77.82	2.856	370	100.57	4.353	495	123.32	6.691
120	55.07	3.220	246	78.00	2.868	371	100.75	4.367	496	123.50	6.723
121	55.25	3.239	247	78.18	2.889	372	100.93	4.382	497	123.68	6.731
122	55.43	3.261	248	78.36	2.911	373	101.11	4.397	498	123.86	6.761
123	55.61	3.285	249	78.54	2.934	374	101.29	4.411	499	124.04	6.794
124	55.79	3.308	250	78.73	2.604	375	101.48	4.426	500	124.23	6.828
125	55.98	3.332	251	78.91	2.573	376	101.66	4.441	501	124.41	6.862
126	56.16	3.356									

1**********

****

********** **********

********** STEADY STATE DO INPUT CONDITIONS **********

********** **********

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.670	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	1.580	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	1.850	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000

42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	2.010	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	3.710
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	5.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	2.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	4.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000

94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	3.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	1.300	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	3.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.000	243	77.45	1.970	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	1.850
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	2.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	4.000
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

********** Bayou Teche--recalibration of APR 78 calibration **********

********** STEADY STATE DO CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 363.1 CFS **********

0 CONCENTRATIONS (PPM)

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	3.261	127	56.34	3.868	252	79.09	4.188	377	101.84	3.380
2	33.59	3.285	128	56.52	3.882	253	79.27	4.179	378	102.02	3.377
3	33.77	3.315	129	56.70	3.896	254	79.45	4.170	379	102.20	3.374
4	33.95	3.346	130	56.89	3.909	255	79.64	4.160	380	102.39	3.371
5	34.14	3.377	131	57.07	3.923	256	79.82	4.151	381	102.57	3.367

6	34.32	3.407	132	57.25	3.936	257	80.00	4.142	382	102.75	3.364
7	34.50	3.435	133	57.43	3.950	258	80.18	4.133	383	102.93	3.361
8	34.68	3.462	134	57.61	3.965	259	80.36	4.123	384	103.11	3.358
9	34.86	3.488	135	57.80	3.978	260	80.55	4.114	385	103.30	3.355
10	35.05	3.512	136	57.98	3.992	261	80.73	4.104	386	103.48	3.352
11	35.23	3.534	137	58.16	4.006	262	80.91	4.094	387	103.66	3.350
12	35.41	3.554	138	58.34	4.019	263	81.09	4.085	388	103.84	3.347
13	35.59	3.573	139	58.52	4.033	264	81.27	4.075	389	104.02	3.344
14	35.77	3.589	140	58.71	4.046	265	81.46	4.065	390	104.21	3.342
15	35.96	3.604	141	58.89	4.060	266	81.64	4.055	391	104.39	3.340
16	36.14	3.617	142	59.07	4.073	267	81.82	4.045	392	104.57	3.338
17	36.32	3.627	143	59.25	4.086	268	82.00	4.035	393	104.75	3.336
18	36.50	3.635	144	59.43	4.100	269	82.18	4.025	394	104.93	3.334
19	36.68	3.642	145	59.62	4.113	270	82.37	4.015	395	105.12	3.333
20	36.87	3.646	146	59.80	4.126	271	82.55	4.005	396	105.30	3.332
21	37.05	3.650	147	59.98	4.139	272	82.73	3.995	397	105.48	3.331
22	37.23	3.653	148	60.16	4.153	273	82.91	3.984	398	105.66	3.331
23	37.41	3.654	149	60.34	4.166	274	83.09	3.974	399	105.84	3.330
24	37.59	3.654	150	60.53	4.179	275	83.28	3.963	400	106.03	3.330
25	37.78	3.653	151	60.71	4.188	276	83.46	3.952	401	106.21	3.330
26	37.96	3.653	152	60.89	4.198	277	83.64	3.941	402	106.39	3.330
27	38.14	3.652	153	61.07	4.207	278	83.82	3.930	403	106.57	3.330
28	38.32	3.651	154	61.25	4.215	279	84.00	3.919	404	106.75	3.331
29	38.50	3.651	155	61.44	4.224	280	84.19	3.908	405	106.94	3.331
30	38.69	3.650	156	61.62	4.232	281	84.37	3.896	406	107.12	3.332
31	38.87	3.649	157	61.80	4.241	282	84.55	3.885	407	107.30	3.332
32	39.05	3.648	158	61.98	4.249	283	84.73	3.873	408	107.48	3.332
33	39.23	3.648	159	62.16	4.257	284	84.91	3.861	409	107.66	3.333
34	39.41	3.647	160	62.35	4.265	285	85.10	3.850	410	107.85	3.333
35	39.60	3.646	161	62.53	4.274	286	85.28	3.838	411	108.03	3.334
36	39.78	3.645	162	62.71	4.282	287	85.46	3.826	412	108.21	3.335
37	39.96	3.645	163	62.89	4.289	288	85.64	3.814	413	108.39	3.335
38	40.14	3.644	164	63.07	4.297	289	85.82	3.802	414	108.57	3.336
39	40.32	3.643	165	63.26	4.305	290	86.01	3.790	415	108.76	3.337
40	40.51	3.642	166	63.44	4.313	291	86.19	3.778	416	108.94	3.337
41	40.69	3.641	167	63.62	4.322	292	86.37	3.765	417	109.12	3.338
42	40.87	3.640	168	63.80	4.329	293	86.55	3.752	418	109.30	3.339
43	41.05	3.639	169	63.98	4.337	294	86.73	3.740	419	109.48	3.340
44	41.23	3.638	170	64.17	4.344	295	86.92	3.727	420	109.67	3.341
45	41.42	3.638	171	64.35	4.352	296	87.10	3.714	421	109.85	3.342
46	41.60	3.637	172	64.53	4.359	297	87.28	3.702	422	110.03	3.343
47	41.78	3.636	173	64.71	4.366	298	87.46	3.689	423	110.21	3.344
48	41.96	3.636	174	64.89	4.373	299	87.64	3.677	424	110.39	3.345
49	42.14	3.635	175	65.08	4.380	300	87.83	3.665	425	110.58	3.346
50	42.33	3.635	176	65.26	4.387	301	88.01	3.658	426	110.76	3.347
51	42.51	3.635	177	65.44	4.393	302	88.19	3.652	427	110.94	3.348
52	42.69	3.635	178	65.62	4.400	303	88.37	3.647	428	111.12	3.349
53	42.87	3.635	179	65.80	4.407	304	88.55	3.641	429	111.30	3.351
54	43.05	3.635	180	65.99	4.413	305	88.74	3.636	430	111.49	3.352
55	43.24	3.635	181	66.17	4.420	306	88.92	3.631	431	111.67	3.353
56	43.42	3.635	182	66.35	4.426	307	89.10	3.626	432	111.85	3.355
57	43.60	3.647	183	66.53	4.432	308	89.28	3.621	433	112.03	3.356

58	43.78	3.648	184	66.71	4.438	309	89.46	3.616	434	112.21	3.358
59	43.96	3.648	185	66.90	4.444	310	89.65	3.612	435	112.40	3.359
60	44.15	3.648	186	67.08	4.450	311	89.83	3.607	436	112.58	3.361
61	44.33	3.648	187	67.26	4.455	312	90.01	3.603	437	112.76	3.362
62	44.51	3.648	188	67.44	4.461	313	90.19	3.599	438	112.94	3.364
63	44.69	3.649	189	67.62	4.467	314	90.37	3.595	439	113.12	3.366
64	44.87	3.649	190	67.81	4.472	315	90.56	3.591	440	113.31	3.368
65	45.06	3.649	191	67.99	4.477	316	90.74	3.588	441	113.49	3.370
66	45.24	3.650	192	68.17	4.482	317	90.92	3.584	442	113.67	3.371
67	45.42	3.650	193	68.35	4.487	318	91.10	3.581	443	113.85	3.374
68	45.60	3.651	194	68.53	4.492	319	91.28	3.577	444	114.03	3.376
69	45.78	3.652	195	68.72	4.497	320	91.47	3.574	445	114.22	3.378
70	45.97	3.653	196	68.90	4.501	321	91.65	3.570	446	114.40	3.381
71	46.15	3.654	197	69.08	4.506	322	91.83	3.567	447	114.58	3.383
72	46.33	3.655	198	69.26	4.510	323	92.01	3.564	448	114.76	3.386
73	46.51	3.657	199	69.44	4.515	324	92.19	3.560	449	114.94	3.389
74	46.69	3.658	200	69.63	4.519	325	92.38	3.557	450	115.13	3.393
75	46.88	3.659	201	69.81	4.523	326	92.56	3.553	451	115.31	3.396
76	47.06	3.661	202	69.99	4.528	327	92.74	3.550	452	115.49	3.400
77	47.24	3.663	203	70.17	4.532	328	92.92	3.547	453	115.67	3.404
78	47.42	3.664	204	70.35	4.537	329	93.10	3.544	454	115.85	3.408
79	47.60	3.666	205	70.54	4.542	330	93.29	3.540	455	116.04	3.412
80	47.79	3.668	206	70.72	4.546	331	93.47	3.537	456	116.22	3.417
81	47.97	3.670	207	70.90	4.551	332	93.65	3.534	457	116.40	3.422
82	48.15	3.673	208	71.08	4.555	333	93.83	3.530	458	116.58	3.427
83	48.33	3.675	209	71.26	4.558	334	94.01	3.527	459	116.76	3.433
84	48.51	3.678	210	71.45	4.561	335	94.20	3.524	460	116.95	3.439
85	48.70	3.681	211	71.63	4.282	336	94.38	3.521	461	117.13	3.445
86	48.88	3.684	212	71.81	4.246	337	94.56	3.518	462	117.31	3.451
87	49.06	3.686	213	71.99	4.235	338	94.74	3.516	463	117.49	3.458
88	49.24	3.687	214	72.17	4.227	339	94.92	3.512	464	117.67	3.465
89	49.42	3.689	215	72.36	4.219	340	95.11	3.509	465	117.86	3.471
90	49.61	3.689	216	72.54	4.212	341	95.29	3.505	466	118.04	3.478
91	49.79	3.690	217	72.72	4.206	342	95.47	3.501	467	118.22	3.486
92	49.97	3.690	218	72.90	4.199	343	95.65	3.497	468	118.40	3.494
93	50.15	3.690	219	73.08	4.194	344	95.83	3.493	469	118.58	3.503
94	50.33	3.690	220	73.27	4.188	345	96.02	3.490	470	118.77	3.511
95	50.52	3.689	221	73.45	4.183	346	96.20	3.486	471	118.95	3.520
96	50.70	3.689	222	73.63	4.179	347	96.38	3.482	472	119.13	3.530
97	50.88	3.688	223	73.81	4.175	348	96.56	3.479	473	119.31	3.539
98	51.06	3.688	224	73.99	4.172	349	96.74	3.475	474	119.49	3.549
99	51.24	3.687	225	74.18	4.169	350	96.93	3.471	475	119.68	3.560
100	51.43	3.685	226	74.36	4.167	351	97.11	3.468	476	119.86	3.571
101	51.61	3.684	227	74.54	4.165	352	97.29	3.464	477	120.04	3.582
102	51.79	3.682	228	74.72	4.164	353	97.47	3.461	478	120.22	3.593
103	51.97	3.680	229	74.90	4.164	354	97.65	3.457	479	120.40	3.605
104	52.15	3.677	230	75.09	4.164	355	97.84	3.453	480	120.59	3.617
105	52.34	3.674	231	75.27	4.164	356	98.02	3.450	481	120.77	3.630
106	52.52	3.670	232	75.45	4.165	357	98.20	3.446	482	120.95	3.645
107	52.70	3.666	233	75.63	4.167	358	98.38	3.443	483	121.13	3.659
108	52.88	3.663	234	75.81	4.169	359	98.56	3.439	484	121.31	3.673
109	53.06	3.660	235	76.00	4.172	360	98.75	3.436	485	121.50	3.687

110	53.25	3.658	236	76.18	4.175	361	98.93	3.433	486	121.68	3.702
111	53.43	3.656	237	76.36	4.227	362	99.11	3.429	487	121.86	3.717
112	53.61	3.656	238	76.54	4.232	363	99.29	3.426	488	122.04	3.732
113	53.79	3.657	239	76.72	4.230	364	99.47	3.423	489	122.22	3.748
114	53.97	3.661	240	76.91	4.228	365	99.66	3.419	490	122.41	3.764
115	54.16	3.668	241	77.09	4.226	366	99.84	3.416	491	122.59	3.781
116	54.34	3.678	242	77.27	4.224	367	100.02	3.412	492	122.77	3.798
117	54.52	3.691	243	77.45	4.222	368	100.20	3.409	493	122.95	3.816
118	54.70	3.737	244	77.63	4.231	369	100.38	3.406	494	123.13	3.834
119	54.88	3.758	245	77.82	4.228	370	100.57	3.402	495	123.32	3.853
120	55.07	3.774	246	78.00	4.223	371	100.75	3.399	496	123.50	3.872
121	55.25	3.788	247	78.18	4.217	372	100.93	3.396	497	123.68	3.892
122	55.43	3.801	248	78.36	4.212	373	101.11	3.393	498	123.86	3.912
123	55.61	3.814	249	78.54	4.206	374	101.29	3.389	499	124.04	3.933
124	55.79	3.828	250	78.73	4.204	375	101.48	3.386	500	124.23	3.954
125	55.98	3.841	251	78.91	4.196	376	101.66	3.383	501	124.41	3.975
126	56.16	3.855									

Appendix E - 90th Percentile Temperature Calculations and Temperature Data

Winter: December-February 90th percentile temp, avg of percentiles for sites 0030 & 0031= 15.906
Summer: March-November 90th percentile temp, avg of percentiles for sites 0030 & 0031= 29.873

Site 0030:

Winter: December-February 90th percentile temp= 16.25
Summer: March-November 90th percentile temp= 30.47

SITE_NO	SITE_NAME	DATE	Month	Day	Year	DEPTH,meters	WATER, TEMP, (C)	D.O.,mg/l
0030	Bayou Teche at Adeline, Louisiana	121189	12	11	89	1.0	13.40	5.00
0030	Bayou Teche at Adeline, Louisiana	121090	12	10	90	1.0	11.43	8.45
0030	Bayou Teche at Adeline, Louisiana	120991	12	9	91	1.0	16.20	7.35
0030	Bayou Teche at Adeline, Louisiana	121492	12	14	92	1.0	13.24	0.60
0030	Bayou Teche at Adeline, Louisiana	121393	12	13	93	1.0	14.80	4.00
0030	Bayou Teche at Adeline, Louisiana	121294	12	12	94	1.0	14.20	5.60
0030	Bayou Teche at Adeline, Louisiana	121295	12	12	95	1.0	11.30	7.15
0030	Bayou Teche at Adeline, Louisiana	120996	12	9	96	1.0	15.70	3.20
0030	Bayou Teche at Adeline, Louisiana	120897	12	8	97	1.0	12.13	5.57
0030	Bayou Teche at Adeline, Louisiana	120898	12	8	98	1.0	22.62	0.68
0030	Bayou Teche at Adeline, Louisiana	010989	1	9	89	1.0	14.10	5.70
0030	Bayou Teche at Adeline, Louisiana	010890	1	8	90	1.0	11.89	6.80
0030	Bayou Teche at Adeline, Louisiana	011491	1	14	91	1.0	11.86	6.61
0030	Bayou Teche at Adeline, Louisiana	010692	1	6	92	1.0	12.58	7.41
0030	Bayou Teche at Adeline, Louisiana	011193	1	11	93	1.0	13.50	6.20
0030	Bayou Teche at Adeline, Louisiana	011094	1	10	94	1.0	10.18	7.60
0030	Bayou Teche at Adeline, Louisiana	010995	1	9	95	1.0	11.67	7.38
0030	Bayou Teche at Adeline, Louisiana	010996	1	9	96	1.0	7.80	8.70
0030	Bayou Teche at Adeline, Louisiana	010697	1	6	97	1.0	18.89	3.54
0030	Bayou Teche at Adeline, Louisiana	011398	1	13	98	1.0	15.72	5.94
0030	Bayou Teche at Adeline, Louisiana	021389	2	13	89	1.0	13.90	6.80
0030	Bayou Teche at Adeline, Louisiana	021290	2	12	90	1.0	16.65	5.70
0030	Bayou Teche at Adeline, Louisiana	020491	2	4	91	1.0	13.68	6.98
0030	Bayou Teche at Adeline, Louisiana	021092	2	10	92	1.0	10.94	7.72
0030	Bayou Teche at Adeline, Louisiana	020893	2	8	93	1.0	12.68	5.75
0030	Bayou Teche at Adeline, Louisiana	020794	2	7	94	1.0	15.10	6.70
0030	Bayou Teche at Adeline, Louisiana	021395	2	13	95	1.0	11.50	8.40
0030	Bayou Teche at Adeline, Louisiana	021296	2	12	96	1.0	12.54	8.47
0030	Bayou Teche at Adeline, Louisiana	021897	2	18	97	1.0	11.41	8.26
0030	Bayou Teche at Adeline, Louisiana	020998	2	9	98	1.0	13.13	9.82
0030	Bayou Teche at Adeline, Louisiana	031389	3	13	89	1.0	16.50	7.20
0030	Bayou Teche at Adeline, Louisiana	031290	3	12	90	1.0	20.41	6.80
0030	Bayou Teche at Adeline, Louisiana	031191	3	11	91	1.0	17.63	5.64
0030	Bayou Teche at Adeline, Louisiana	030992	3	9	92	1.0	21.30	5.70
0030	Bayou Teche at Adeline, Louisiana	030893	3	8	93	1.0	15.90	5.72
0030	Bayou Teche at Adeline, Louisiana	031494	3	14	94	1.0	16.20	5.50
0030	Bayou Teche at Adeline, Louisiana	031395	3	13	95	1.0	17.40	6.70
0030	Bayou Teche at Adeline, Louisiana	031296	3	12	96	1.0	12.17	7.23

0030	Bayou Teche at Adeline, Louisiana	031197	3	11	97	1.0	19.90	5.40
0030	Bayou Teche at Adeline, Louisiana	031098	3	10	98	1.0	15.68	5.94
0030	Bayou Teche at Adeline, Louisiana	041089	4	10	89	1.0	20.40	4.50
0030	Bayou Teche at Adeline, Louisiana	040990	4	9	90	1.0	18.95	4.80
0030	Bayou Teche at Adeline, Louisiana	041591	4	15	91	1.0	22.61	6.86
0030	Bayou Teche at Adeline, Louisiana	040692	4	6	92	1.0	17.50	7.30
0030	Bayou Teche at Adeline, Louisiana	041293	4	12	93	1.0	19.00	8.40
0030	Bayou Teche at Adeline, Louisiana	041194	4	11	94	1.0	22.50	6.50
0030	Bayou Teche at Adeline, Louisiana	040395	4	3	95	1.0	18.30	5.60
0030	Bayou Teche at Adeline, Louisiana	040896	4	8	96	1.0	17.55	6.27
0030	Bayou Teche at Adeline, Louisiana	041497	4	14	97	1.0	17.95	4.75
0030	Bayou Teche at Adeline, Louisiana	041398	4	13	98	1.0	21.98	5.73
0030	Bayou Teche at Adeline, Louisiana	050889	5	8	89	1.0	24.60	4.10
0030	Bayou Teche at Adeline, Louisiana	051490	5	14	90	1.0	24.85	3.98
0030	Bayou Teche at Adeline, Louisiana	051391	5	13	91	1.0	24.38	3.19
0030	Bayou Teche at Adeline, Louisiana	051192	5	11	92	1.0	23.02	4.53
0030	Bayou Teche at Adeline, Louisiana	051093	5	10	93	1.0	25.50	3.94
0030	Bayou Teche at Adeline, Louisiana	050994	5	9	94	1.0	26.10	3.20
0030	Bayou Teche at Adeline, Louisiana	050895	5	8	95	1.0	26.70	4.60
0030	Bayou Teche at Adeline, Louisiana	051496	5	14	96	1.0	26.80	2.75
0030	Bayou Teche at Adeline, Louisiana	051397	5	13	97	1.0	23.71	4.68
0030	Bayou Teche at Adeline, Louisiana	051298	5	12	98	1.0	26.87	7.74
0030	Bayou Teche at Adeline, Louisiana	061289	6	12	89	1.0	28.70	2.70
0030	Bayou Teche at Adeline, Louisiana	061190	6	11	90	1.0	29.96	4.35
0030	Bayou Teche at Adeline, Louisiana	060791	6	7	91	1.0	27.81	3.01
0030	Bayou Teche at Adeline, Louisiana	061592	6	15	92	1.0	28.80	3.09
0030	Bayou Teche at Adeline, Louisiana	061493	6	14	93	1.0	30.00	4.80
0030	Bayou Teche at Adeline, Louisiana	061394	6	13	94	1.0	26.80	3.40
0030	Bayou Teche at Adeline, Louisiana	061295	6	12	95	1.0	29.75	4.25
0030	Bayou Teche at Adeline, Louisiana	061096	6	10	96	1.0	27.67	4.92
0030	Bayou Teche at Adeline, Louisiana	060997	6	9	97	1.0	27.57	3.60
0030	Bayou Teche at Adeline, Louisiana	062398	6	23	98	1.0	31.53	5.55
0030	Bayou Teche at Adeline, Louisiana	071089	7	10	89	1.0	27.90	2.60
0030	Bayou Teche at Adeline, Louisiana	070990	7	9	90	1.0	30.46	5.32
0030	Bayou Teche at Adeline, Louisiana	071591	7	15	91	1.0	30.02	2.80
0030	Bayou Teche at Adeline, Louisiana	071392	7	13	92	1.0	31.00	6.15
0030	Bayou Teche at Adeline, Louisiana	071293	7	12	93	1.0	28.25	2.80
0030	Bayou Teche at Adeline, Louisiana	071194	7	11	94	1.0	28.15	3.90
0030	Bayou Teche at Adeline, Louisiana	071095	7	10	95	1.0	30.80	6.20
0030	Bayou Teche at Adeline, Louisiana	070896	7	8	96	1.0	31.06	4.98
0030	Bayou Teche at Adeline, Louisiana	071597	7	15	97	1.0	30.47	4.24
0030	Bayou Teche at Adeline, Louisiana	071498	7	14	98	1.0	31.24	6.12
0030	Bayou Teche at Adeline, Louisiana	072898	7	28	98	1.0	31.65	6.02
0030	Bayou Teche at Adeline, Louisiana	081489	8	14	89	1.0	28.04	3.58
0030	Bayou Teche at Adeline, Louisiana	081390	8	13	90	1.0	29.32	6.63
0030	Bayou Teche at Adeline, Louisiana	081291	8	12	91	1.0	28.60	4.30
0030	Bayou Teche at Adeline, Louisiana	081092	8	10	92	1.0	30.75	4.32
0030	Bayou Teche at Adeline, Louisiana	080993	8	9	93	1.0	30.41	5.99
0030	Bayou Teche at Adeline, Louisiana	080894	8	8	94	1.0	29.00	4.70

0030	Bayou Teche at Adeline, Louisiana	081495	8	14	95	1.0	31.40	5.03
0030	Bayou Teche at Adeline, Louisiana	081296	8	12	96	1.0	25.81	5.74
0030	Bayou Teche at Adeline, Louisiana	081197	8	11	97	1.0	30.06	4.93
0030	Bayou Teche at Adeline, Louisiana	081198	8	11	98	1.0	31.54	6.26
0030	Bayou Teche at Adeline, Louisiana	082598	8	25	98	1.0	30.02	3.80
0030	Bayou Teche at Adeline, Louisiana	091189	9	11	89	1.0	29.20	6.00
0030	Bayou Teche at Adeline, Louisiana	091090	9	10	90	1.0	30.01	5.10
0030	Bayou Teche at Adeline, Louisiana	090991	9	9	91	1.0	27.87	3.25
0030	Bayou Teche at Adeline, Louisiana	091492	9	14	92	1.0	28.41	0.30
0030	Bayou Teche at Adeline, Louisiana	091393	9	13	93	1.0	29.50	7.10
0030	Bayou Teche at Adeline, Louisiana	091294	9	12	94	1.0	26.80	3.90
0030	Bayou Teche at Adeline, Louisiana	091195	9	11	95	1.0	28.49	5.96
0030	Bayou Teche at Adeline, Louisiana	091096	9	10	96	1.0	28.62	3.65
0030	Bayou Teche at Adeline, Louisiana	090997	9	9	97	1.0	29.48	5.73
0030	Bayou Teche at Adeline, Louisiana	090898	9	8	98	1.0	26.80	5.35
0030	Bayou Teche at Adeline, Louisiana	092298	9	22	98	1.0	28.69	1.94
0030	Bayou Teche at Adeline, Louisiana	100989	10	9	89	1.0	23.52	5.15
0030	Bayou Teche at Adeline, Louisiana	101590	10	15	90	1.0	21.51	7.74
0030	Bayou Teche at Adeline, Louisiana	101491	10	14	91	1.0	24.20	5.30
0030	Bayou Teche at Adeline, Louisiana	101292	10	12	92	1.0	23.00	3.09
0030	Bayou Teche at Adeline, Louisiana	101193	10	11	93	1.0	25.00	5.50
0030	Bayou Teche at Adeline, Louisiana	101094	10	10	94	1.0	23.30	4.30
0030	Bayou Teche at Adeline, Louisiana	101095	10	10	95	1.0	22.46	4.56
0030	Bayou Teche at Adeline, Louisiana	101496	10	14	96	1.0	22.53	4.21
0030	Bayou Teche at Adeline, Louisiana	101397	10	13	97	1.0	26.57	6.99
0030	Bayou Teche at Adeline, Louisiana	101398	10	13	98	1.0	23.97	1.93
0030	Bayou Teche at Adeline, Louisiana	102798	10	27	98	1.0	22.01	4.15
0030	Bayou Teche at Adeline, Louisiana	111389	11	13	89	1.0	19.30	1.50
0030	Bayou Teche at Adeline, Louisiana	111390	11	13	90	1.0	16.22	6.89
0030	Bayou Teche at Adeline, Louisiana	111891	11	18	91	1.0	17.80	5.10
0030	Bayou Teche at Adeline, Louisiana	111692	11	16	92	1.0	11.59	3.01
0030	Bayou Teche at Adeline, Louisiana	111693	11	16	93	1.0	20.00	4.80
0030	Bayou Teche at Adeline, Louisiana	111494	11	14	94	1.0	20.52	1.43
0030	Bayou Teche at Adeline, Louisiana	111495	11	14	95	1.0	16.80	8.40
0030	Bayou Teche at Adeline, Louisiana	111996	11	19	96	1.0	19.54	3.00
0030	Bayou Teche at Adeline, Louisiana	111797	11	17	97	1.0	13.76	6.35
0030	Bayou Teche at Adeline, Louisiana	110998	11	9	98	1.0	19.19	3.79
0030	Bayou Teche at Adeline, Louisiana	112398	11	23	98	1.0	18.05	8.27

Site 0031:

December-February 90th percentile temp= 15.567
March-November 90th percentile temp= 29.28

SITE_NO	SITE_NAME	DATE	Month	Day	Year	DEPTH, meters	WATER TEMP, (C)	D.O., mg/l
0031	Bayou Teche at Breaux Bridge, Louisiana	121289	12	12	89	1.0	11.08	8.19
0031	Bayou Teche at Breaux Bridge, Louisiana	121190	12	11	90	1.0	11.13	8.32
0031	Bayou Teche at Breaux Bridge, Louisiana	011089	1	10	89	1.0	13.00	6.80
0031	Bayou Teche at Breaux Bridge, Louisiana	010990	1	9	90	1.0	10.89	7.61
0031	Bayou Teche at Breaux Bridge, Louisiana	011491	1	14	91	1.0	11.82	6.67
0031	Bayou Teche at Breaux Bridge, Louisiana	010692	1	6	92	1.0	12.16	8.12
0031	Bayou Teche at Breaux Bridge, Louisiana	011193	1	11	93	1.0	11.80	7.86
0031	Bayou Teche at Breaux Bridge, Louisiana	011194	1	11	94	1.0	10.07	9.40
0031	Bayou Teche at Breaux Bridge, Louisiana	011095	1	10	95	1.0	10.79	7.99
0031	Bayou Teche at Breaux Bridge, Louisiana	010896	1	8	96	1.0	7.65	8.31
0031	Bayou Teche at Breaux Bridge, Louisiana	010697	1	6	97	1.0	17.20	5.26
0031	Bayou Teche at Breaux Bridge, Louisiana	011298	1	12	98	1.0	14.51	7.98
0031	Bayou Teche at Breaux Bridge, Louisiana	021489	2	14	89	1.0	13.00	10.00
0031	Bayou Teche at Breaux Bridge, Louisiana	021390	2	13	90	1.0	16.02	10.00
0031	Bayou Teche at Breaux Bridge, Louisiana	031389	3	13	89	1.0	13.90	8.80
0031	Bayou Teche at Breaux Bridge, Louisiana	031390	3	13	90	1.0	19.86	5.85
0031	Bayou Teche at Breaux Bridge, Louisiana	031191	3	11	91	1.0	17.12	7.20
0031	Bayou Teche at Breaux Bridge, Louisiana	030992	3	9	92	1.0	20.20	5.31
0031	Bayou Teche at Breaux Bridge, Louisiana	030993	3	9	93	1.0	14.77	7.20
0031	Bayou Teche at Breaux Bridge, Louisiana	031494	3	14	94	1.0	13.76	7.56
0031	Bayou Teche at Breaux Bridge, Louisiana	031495	3	14	95	1.0	15.31	8.07
0031	Bayou Teche at Breaux Bridge, Louisiana	031196	3	11	96	1.0	12.30	9.00
0031	Bayou Teche at Breaux Bridge, Louisiana	031097	3	10	97	1.0	17.72	5.89
0031	Bayou Teche at Breaux Bridge, Louisiana	030998	3	9	98	1.0	15.45	8.38
0031	Bayou Teche at Breaux Bridge, Louisiana	041189	4	11	89	1.0	17.50	5.60
0031	Bayou Teche at Breaux Bridge, Louisiana	041090	4	10	90	1.0	19.70	6.04
0031	Bayou Teche at Breaux Bridge, Louisiana	050989	5	9	89	1.0	22.80	4.50
0031	Bayou Teche at Breaux Bridge, Louisiana	051590	5	15	90	1.0	24.23	4.43
0031	Bayou Teche at Breaux Bridge, Louisiana	051391	5	13	91	1.0	23.89	3.68
0031	Bayou Teche at Breaux Bridge, Louisiana	051192	5	11	92	1.0	21.57	6.00
0031	Bayou Teche at Breaux Bridge, Louisiana	051093	5	10	93	1.0	23.60	4.30
0031	Bayou Teche at Breaux Bridge, Louisiana	051094	5	10	94	1.0	22.60	2.65
0031	Bayou Teche at Breaux Bridge, Louisiana	050895	5	8	95	1.0	23.40	3.42
0031	Bayou Teche at Breaux Bridge, Louisiana	051396	5	13	96	1.0	23.88	4.24
0031	Bayou Teche at Breaux Bridge, Louisiana	051297	5	12	97	1.0	22.98	4.64
0031	Bayou Teche at Breaux Bridge, Louisiana	051198	5	11	98	1.0	23.82	6.55
0031	Bayou Teche at Breaux Bridge, Louisiana	061389	6	13	89	1.0	26.74	3.45
0031	Bayou Teche at Breaux Bridge, Louisiana	061190	6	11	90	1.0	27.90	4.26
0031	Bayou Teche at Breaux Bridge, Louisiana	061593	6	15	93	1.0	28.70	5.80
0031	Bayou Teche at Breaux Bridge, Louisiana	061798	6	17	98	1.0	28.74	6.11

0031	Bayou Teche at Breaux Bridge, Louisiana	071189	7	11	89	1.0	27.00	3.60
0031	Bayou Teche at Breaux Bridge, Louisiana	070990	7	9	90	1.0	29.92	4.57
0031	Bayou Teche at Breaux Bridge, Louisiana	071591	7	15	91	1.0	29.26	4.20
0031	Bayou Teche at Breaux Bridge, Louisiana	071492	7	14	92	1.0	29.30	2.32
0031	Bayou Teche at Breaux Bridge, Louisiana	071293	7	12	93	1.0	28.60	4.62
0031	Bayou Teche at Breaux Bridge, Louisiana	071294	7	12	94	1.0	26.88	3.60
0031	Bayou Teche at Breaux Bridge, Louisiana	071095	7	10	95	1.0	27.47	4.28
0031	Bayou Teche at Breaux Bridge, Louisiana	070896	7	8	96	1.0	30.05	4.89
0031	Bayou Teche at Breaux Bridge, Louisiana	071497	7	14	97	1.0	28.80	5.07
0031	Bayou Teche at Breaux Bridge, Louisiana	070898	7	8	98	1.0	30.12	
0031	Bayou Teche at Breaux Bridge, Louisiana	072298	7	22	98	1.0	30.33	6.34
0031	Bayou Teche at Breaux Bridge, Louisiana	081589	8	15	89	1.0	27.20	4.00
0031	Bayou Teche at Breaux Bridge, Louisiana	081490	8	14	90	1.0	28.37	5.73
0031	Bayou Teche at Breaux Bridge, Louisiana	080598	8	5	98	1.0	30.68	6.01
0031	Bayou Teche at Breaux Bridge, Louisiana	081998	8	19	98	1.0	28.84	5.72
0031	Bayou Teche at Breaux Bridge, Louisiana	091289	9	12	89	1.0	29.00	5.30
0031	Bayou Teche at Breaux Bridge, Louisiana	091190	9	11	90	1.0	29.03	5.19
0031	Bayou Teche at Breaux Bridge, Louisiana	090991	9	9	91	1.0	27.45	4.33
0031	Bayou Teche at Breaux Bridge, Louisiana	091492	9	14	92	1.0	27.60	3.45
0031	Bayou Teche at Breaux Bridge, Louisiana	091393	9	13	93	1.0	28.90	5.41
0031	Bayou Teche at Breaux Bridge, Louisiana	091594	9	15	94	1.0	27.80	5.40
0031	Bayou Teche at Breaux Bridge, Louisiana	091195	9	11	95	1.0	28.39	5.37
0031	Bayou Teche at Breaux Bridge, Louisiana	090996	9	9	96	1.0	27.55	5.04
0031	Bayou Teche at Breaux Bridge, Louisiana	090897	9	8	97	1.0	28.46	4.30
0031	Bayou Teche at Breaux Bridge, Louisiana	090298	9	2	98	1.0	30.13	4.62
0031	Bayou Teche at Breaux Bridge, Louisiana	091698	9	16	98	1.0	25.64	3.09
0031	Bayou Teche at Breaux Bridge, Louisiana	101089	10	10	89	1.0	21.60	6.40
0031	Bayou Teche at Breaux Bridge, Louisiana	101690	10	16	90	1.0	22.26	7.30
0031	Bayou Teche at Breaux Bridge, Louisiana	100798	10	7	98	1.0	26.34	5.75
0031	Bayou Teche at Breaux Bridge, Louisiana	102198	10	21	98	1.0	23.89	6.70
0031	Bayou Teche at Breaux Bridge, Louisiana	111489	11	14	89	1.0	18.38	7.26
0031	Bayou Teche at Breaux Bridge, Louisiana	111490	11	14	90	1.0	15.36	7.41
0031	Bayou Teche at Breaux Bridge, Louisiana	111891	11	18	91	1.0	14.99	7.87
0031	Bayou Teche at Breaux Bridge, Louisiana	111692	11	16	92	1.0	15.40	5.70
0031	Bayou Teche at Breaux Bridge, Louisiana	111693	11	16	93	1.0	18.50	9.10
0031	Bayou Teche at Breaux Bridge, Louisiana	111594	11	15	94	1.0	19.39	5.99
0031	Bayou Teche at Breaux Bridge, Louisiana	111495	11	14	95	1.0	16.06	5.76
0031	Bayou Teche at Breaux Bridge, Louisiana	111896	11	18	96	1.0	16.91	6.06
0031	Bayou Teche at Breaux Bridge, Louisiana	111797	11	17	97	1.0	13.01	8.33
0031	Bayou Teche at Breaux Bridge, Louisiana	111898	11	18	98	1.0	17.33	5.78

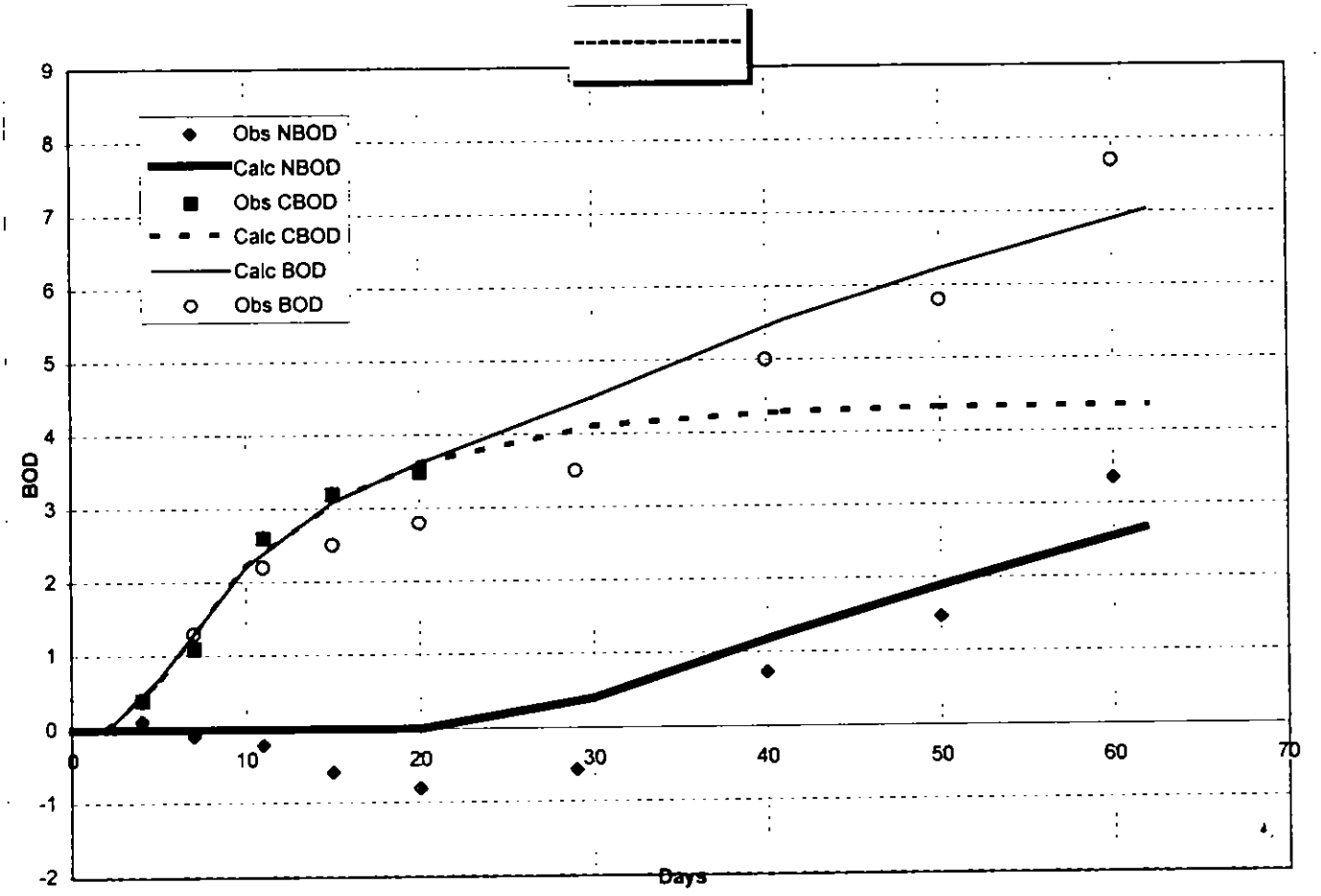
Appendix F - GSBOD Spreadsheet and Field Measurements for Headwater Data

BOD Analysis of the for:
Bayou Courtableau, Site 10

Sample/Site # = ————

Days	Measured		
	Total BOD	NBOD (note1)	CBOD
4	0.4	0.11	0.40
7	1.3	-0.10	1.10
11	2.2	-0.22	2.60
15	2.5	-0.59	3.20
20	2.8	-0.81	3.50
29	3.5	-0.57	
40	5	0.73	
50	5.8	1.47	
60	7.7	3.35	

Calculated: $BOD_t = UBOD[1-e^{-(k(t-lag))}]$		
Total BOD (NBOD+CBOD)	NBOD	CBOD
0.29	0.00	0.29
1.40	0.00	1.40
2.42	0.00	2.42
3.09	0.00	3.09
3.61	0.00	3.61
4.39	0.32	4.07
5.45	1.18	4.27
6.23	1.89	4.33
6.90	2.55	4.35
UBOD	9.89	4.36
K	0.01	0.11
Lag	25.17	3.35
RMSE/UBOD (note 2)	17.23%	9.10%



Note 1 - Measured NBOD is calculated by subtracting the calc.CBOD from the Measured Total BOD.
Note 2 - Square Root of the sum of the Standard Errors squared divided by the UBOD.

Louisiana Department of Environmental Quality

Monday, October 18, 1999

Bayou Courtableau Survey Data

Site Number: 10
Site Description: Bayou Courtableau Survey
Bayou Teche @ Robin St Bridge in Porte B
Sample Collector: G_BOOTH
Collection Date: 7/28/99 **Collection Time:** 13:28

Validation Date: 10/18/99
Validation User: ES

Analysis Name	Method	MDL	Result		Analysis Date	Analyst
Field Depth			1	M	7/28/99	GB,
Field Gage Height			17.3	ft	7/28/99	GB,
Field pH			7.64		7/28/99	GB,
Field Temp.			30.86	degrees C	7/28/99	GB,
Field D.O.			5.17	ppm	7/28/99	GB,
Field Conductivity			390	umhos	7/28/99	GB,
TSS	EPA 160.2	4.0	36.0	ppm	7/29/99	JN
TDS	EPA 160.1	4.0	292.1	ppm	7/28/99	JN
Hardness	EPA 130.2	5.0	150	ppm	8/5/99	BSF
Color	EPA 110.2	5	25	PCU	7/29/99	DM
Chlorides	EPA 300.0	1.25	23.14	ppm	8/5/99	DB/
Sulfate	EPA 300.0	1.25	41.81	ppm	8/5/99	DB
Nitrate+Nitrite-Nitrogen	EPA 353.2	0.02	1.52	ppm	8/6/99	TY
Total Phosphorus	EPA 365.4	0.05	0.23	ppm	8/23/99	TY
TKN	EPA 351.2	0.05	0.68	ppm	8/23/99	TY
TOC	EPA 415.1	2.0	8.17	ppm	8/10/99	DB
Ammonia-Nitrogen	EPA 350.3	0.1	<0.10	ppm	8/2/99	TY

TKN x 4.3 = 0.68 x 4.3 = 2.924

Appendix G - 10th Percentile Flows for Ruth Canal and Bayou Fusilier

NEGATIVE FLOWS HAVE BEEN REMOVED
NEGATIVE FLOWS OCCUR WHEN THE VERMILION RIVER IS IN FLOOD

US GEOLOGICAL SURVEY
DAILY MEAN DISCHARGE DATA
#
Station name : Ruth Canal Near Ruth, La
Station number: 07386700
latitude (ddmmss).. 301435
longitude (dddmmss).... 0915305
state code..... 22
county..... ..... St Martin
hydrologic unit code... 08080103
basin name.. ..... . Vermilion
drainage area (square miles)..... ...
contributing drainage area (square miles).....
gage datum (feet above NGVD)..... 0
base dis sec).....
WATSTORE parameter code..... 00060
WATSTORE statistic code..... 00003
Discharge is listed in the table in cubic feet per second.
#
Daily mean discharge data were retrieved from the
National Water Information System files called ADAPS.
#
Format of table is as follows.
Lines starting with the # character are comment lines describing the data
included in this file. The next line is a row of tab-delimited column
names that are Date and Discharge. The next line is a row of tab-delimited
data type codes that describe a 10-character-wide date (10d) and an
8-character-wide numeric value for discharge (8n). All following lines are
rows of tab-delimited data values of date (year.month.day) and discharge.
A value of "E" or "e" in the Flags field indicates that the discharge for
this day was estimated. Any other values shown in this field are irrelevant.
#
NOTE this file was requested from the NWIS-W software package
on Mon Nov 8 12:22:28 1999
Dates are now in YYYY.MM DD format.
#
----Date Range In File----
1 10 1 1986-09 30 1997

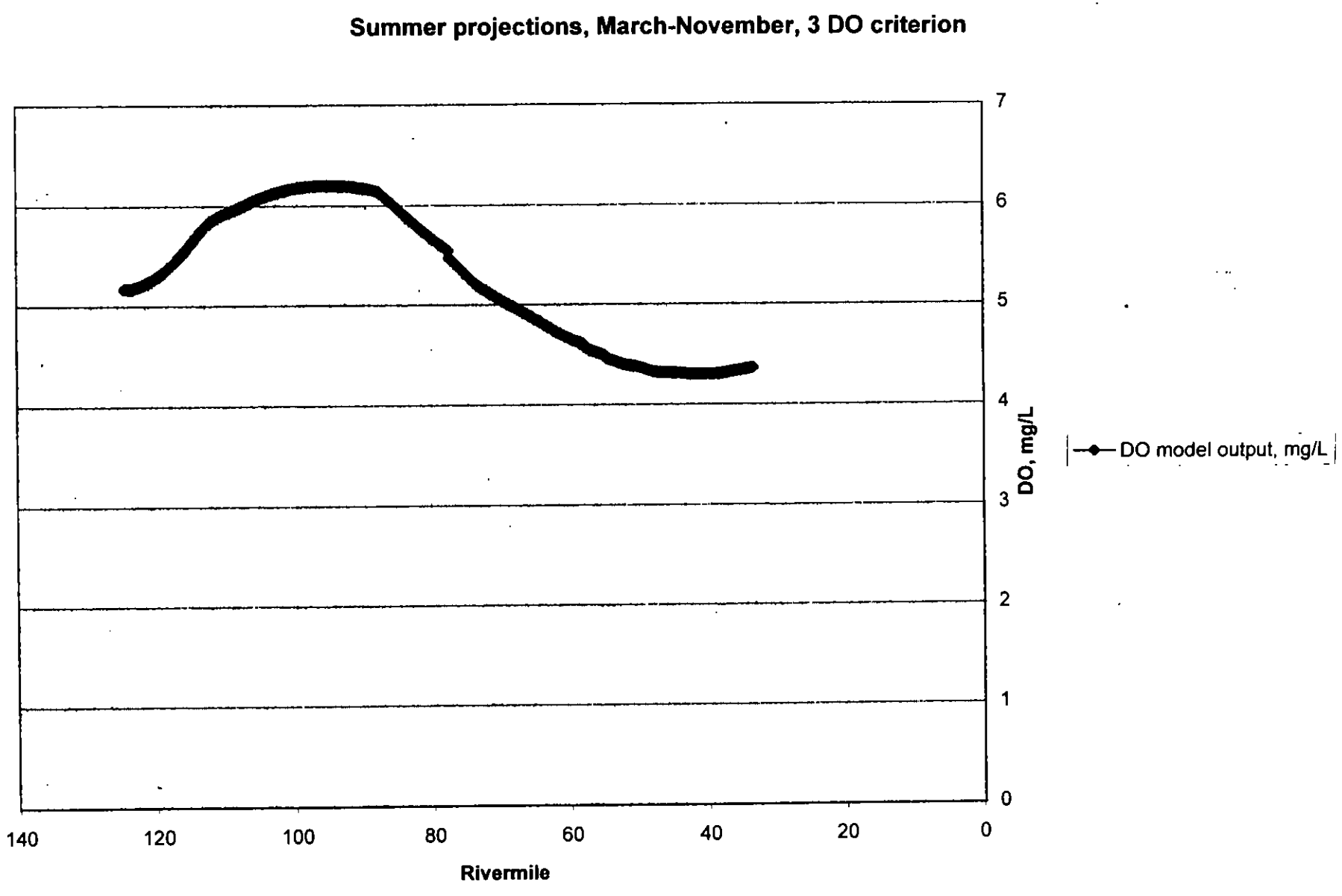
Apr-Nov 97% time flow >	114 cfs	Mar-Nov 97% time flow >	105 cfs
Dec-Mar 97% time flow >	32.84 cfs	Dec-Feb 97% time flow >	33.61 cfs
Apr-Nov 95% time flow >	130 cfs	Mar-Nov 95% time flow >	121 cfs
Dec-Mar 95% time flow >	84.4 cfs	Dec-Feb 95% time flow >	83.35 cfs
Apr-Nov 90% time flow >	167 cfs	Mar-Nov 90% time flow >	143.2 cfs
Dec-Mar 90% time flow >	95 cfs	Dec-Feb 90% time flow >	93 cfs
Apr-Nov 85% time flow >	198.15 cfs	Mar-Nov 85% time flow >	171 cfs
Dec-Mar 85% time flow >	103 cfs	#VALUE!	99 cfs
Apr-Nov 80% time flow >	236 cfs	Mar-Nov 80% time flow >	203 cfs
Dec-Mar 80% time flow >	108 cfs	Dec-Feb 80% time flow >	105 cfs
Apr-Nov 75% time flow >	263 cfs	Mar-Nov 75% time flow >	238 cfs
Dec-Mar 75% time flow >	117 cfs	Dec-Feb 75% time flow >	110 cfs
Apr-Nov 50% time flow >	331 cfs	Mar-Nov 50% time flow >	312 cfs
Dec-Mar 50% time flow >	162 cfs	Dec-Feb 50% time flow >	154 cfs
Apr-Nov 25% time flow >	370 cfs	Mar-Nov 25% time flow >	368 cfs
Dec-Mar 25% time flow >	189 cfs	Dec-Feb 25% time flow >	180 cfs
Apr-Nov 10% time flow >	398 cfs	Mar-Nov 10% time flow >	394 cfs
Dec-Mar 10% time flow >	272 cfs	Dec-Feb 10% time flow >	246.6 cfs
Apr-Nov 5% time flow >	422.9 cfs	Mar-Nov 5% time flow >	418 cfs
Dec-Mar 5% time flow >	289 cfs	Dec-Feb 5% time flow >	266 65 cfs

NEGATIVE FLOWS HAVE BEEN REMOVED
NEGATIVE FLOWS OCCUR WHEN THE VERMILION RIVER IS IN FLOOD

US GEOLOGICAL SURVEY
DAILY MEAN DISCHARGE DATA
#
Station name . Bayou Fusilier At Weir Nr Arnaudville, La.
Station number: 07386200
latitude (ddmmss)..... 302355
longitude (dddmmss).... 0915641
state code..... . 22
county. ..... Jackson
hydrologic unit code..... 08080103
basin name..... Vermilion
drainage area (square miles).....
contributing drainage area (square miles).....
gage datum (feet above NGVD)..... 0
base dis sec)..... .
WATSTORE parameter code..... 00060
WATSTORE statistic code..... 00003
Discharge is listed in the table in cubic feet per second.
#
Daily mean discharge data were retrieved from the
National Water Information System files called ADAPS.
#
Format of table is as follows.
Lines starting with the # character are comment lines describing the data
included in this file. The next line is a row of tab-delimited column
names that are Date and Discharge. The next line is a row of tab-delimited
data type codes that describe a 10-character-wide date (10d) and an
8-character-wide numeric value for discharge (8n). All following lines are
rows of tab-delimited data values of date (year.month.day) and discharge.
A value of "E" or "e" in the Flags field indicates that the discharge for
this day was estimated. Any other values shown in this field are irrelevant.
#
NOTE this file was requested from the NWIS-W software package
on Mon Nov 8 12:29:47 1999
Dates are now in YYYY.MM.DD format.
#
---Date Range In File---
1 10 1 1986-09 30 1997

Apr-Nov 97% time flow >	128.66 cfs	Mar-Nov 97% time flow >	131
Dec-Mar 97% time flow >	134.43 cfs	Dec-Feb 97% time flow >	116.78
Apr-Nov 95% time flow >	141 cfs	Mar-Nov 95% time flow >	144
Dec-Mar 95% time flow >	154 cfs	Dec-Feb 95% time flow >	149
Apr-Nov 90% time flow >	181 cfs	Mar-Nov 90% time flow >	189.1
Dec-Mar 90% time flow >	175 cfs	Dec-Feb 90% time flow >	169
Apr-Nov 85% time flow >	226.3 cfs	Mar-Nov 85% time flow >	237
Dec-Mar 85% time flow >	193.15 cfs	#VALUE!	178
Apr-Nov 80% time flow >	247 cfs	Mar-Nov 80% time flow >	250
Dec-Mar 80% time flow >	208.2 cfs	Dec-Feb 80% time flow >	194
Apr-Nov 75% time flow >	254 cfs	Mar-Nov 75% time flow >	258
Dec-Mar 75% time flow >	226 cfs	Dec-Feb 75% time flow >	206
Apr-Nov 50% time flow >	275 cfs	Mar-Nov 50% time flow >	278
Dec-Mar 50% time flow >	293 cfs	Dec-Feb 50% time flow >	264
Apr-Nov 25% time flow >	298 cfs	Mar-Nov 25% time flow >	306
Dec-Mar 25% time flow >	385 cfs	Dec-Feb 25% time flow >	375.5
Apr-Nov 10% time flow >	357 cfs	Mar-Nov 10% time flow >	381
Dec-Mar 10% time flow >	458 cfs	Dec-Feb 10% time flow >	460
Apr-Nov 5% time flow >	411.9 cfs	Mar-Nov 5% time flow >	438
Dec-Mar 5% time flow >	500 cfs	Dec-Feb 5% time flow >	500

Appendix H - Projection Model Input, Output, and DO Plots


Summer projections, March-November, 3 DO criterion
7
6
5
4
3
2
1
0
DO, mg/L
140
120
100
80
60
40
20
0
Rivermile
DO model output, mg/L

```
Bayou Teche--Summer Projections (Mar-Nov), 3 DO criterion
!Exclamation points indicate a comment line.
    33.5       124.5     0.000        500
DATA
WIDTH         92       1.0000
!Widths from previous model "Nov 78 verification"
     1          124.5      126.3
     2          123.5      124.9
     3          122.5      123.5
     4          121.5      122.1
     5          120.5      120.7
     6          119.5      119.3
     7          118.5      117.8
     8          117.5      116.4
     9          116.5      115.0
    10          115.5      113.6
    11          114.5      112.2
    12          113.5      110.8
    13          112.5      109.4
    14          111.5      108.0
    15          110.5      106.6
    16          109.5      105.2
    17          108.5      103.8
    18          107.5      102.4
    19          106.5      101.0
    20          105.5      101.1
    21          104.5      101.6
    22          103.5      102.2
    23          102.5      103.0
    24          101.5      103.9
    25          100.5      104.8
    26           99.5      105.6
    27           98.5      106.5
    28           97.5      107.3
    29           96.5      108.2
    30           95.5      109.0
    31           94.5      109.9
    32           93.5      110.7
    33           92.5      111.6
    34           91.5      112.4
    35           90.5      113.3
    36           89.5      114.2
    37           88.5      115.1
    38           87.5      115.9
    39           86.5      116.8
    40           85.5      117.5
    41           84.5      118.3
    42           83.5      119.1
    43           82.5      119.9
    44           81.5      120.7
    45           80.5      121.4
    46           79.5      122.2
    47           78.5      123.0
    48           77.5      123.8
    49           76.5      124.8
    50           75.5      125.9
    51           74.5      127.0
    52           73.5      127.9
    53           72.5      128.8
    54           71.5      129.4
    55           70.5      126.2
    56           69.5      126.2
    57           68.5      125.2
    58           67.5      123.3
    59           66.5      121.4
    60           65.5      119.5
    61           64.5      117.6
    62           63.5      115.7
    63           62.5      113.7
    64           61.5      111.9
    65           60.5      110.3
```

```
    66          59.5      108.7
    67          58.5      107.1
    68          57.5      105.5
    69          56.5      103.9
    70          55.5      102.2
    71          54.5      100.6
    72          53.5      100.0
    73          52.5      100.0
    74          51.5      100.0
    75          50.5      100.0
    76          49.5      100.0
    77          48.5      100.0
    78          47.5      100.0
    79          46.5      100.0
    80          45.5      100.0
    81          44.5      100.0
    82          43.5      100.0
    83          42.5      100.0
    84          41.5      100.0
    85          40.5      100.0
    86          39.5      100.0
    87          38.5      100.0
    88          37.5      100.0
    89          36.5      100.0
    90          35.5      100.0
    91          34.5      100.0
    92          33.5      100.0
DEPTH        92      1.000
!Depths from previous model "Nov 78 verification"
     1         124.5       8.0
     2         123.5       7.7
     3         122.5       7.4
     4         121.5       7.1
     5         120.5       6.9
     6         119.5       6.6
     7         118.5       6.3
     8         117.5       6.0
     9         116.5       5.7
    10         115.5       5.4
    11         114.5       5.2
    12         113.5       5.1
    13         112.5       5.5
    14         111.5       5.8
    15         110.5       6.1
    16         109.5       6.2
    17         108.5       6.1
    18         107.5       6.0
    19         106.5       5.9
    20         105.5       5.7
    21         104.5       5.6
    22         103.5       5.5
    23         102.5       5.5
    24         101.5       5.6
    25         100.5       5.6
    26          99.5       5.6
    27          98.5       5.7
    28          97.5       5.7
    29          96.5       5.7
    30          95.5       5.7
    31          94.5       5.8
    32          93.5       5.8
    33          92.5       5.8
    34          91.5       5.9
    35          90.5       5.9
    36          89.5       6.0
    37          88.5       6.1
    38          87.5       6.2
    39          86.5       6.3
    40          85.5       6.4
    41          84.5       6.5
    42          83.5       6.7
```

```
   43          82.5        6.8
   44          81.5        6.9
   45          80.5        7.1
   46          79.5        7.2
   47          78.5        7.3
   48          77.5        7.5
   49          76.5        7.8
   50          75.5        8.3
   51          74.5        8.8
   52          73.5        8.5
   53          72.5        7.9
   54          71.5        7.5
   55          70.5        8.2
   56          69.5        8.2
   57          68.5        8.4
   58          67.5        8.9
   59          66.5        9.3
   60          65.5        9.8
   61          64.5       10.2
   62          63.5       10.7
   63          62.5       11.1
   64          61.5       11.5
   65          60.5       11.2
   66          59.5       11.0
   67          58.5       10.8
   68          57.5       10.6
   69          56.5       10.3
   70          55.5       10.1
   71          54.5        9.9
   72          53.5        9.8
   73          52.5       10.9
   74          51.5        9.4
   75          50.5        9.5
   76          49.5       12.1
   77          48.5       12.4
   78          47.5       11.1
   79          46.5        9.9
   80          45.5       10.4
   81          44.5       11.0
   82          43.5       11.6
   83          42.5       12.3
   84          41.5       11.5
   85          40.5       11.8
   86          39.5       11.8
   87          38.5       11.5
   88          37.5       10.8
   89          36.5       10.5
   90          35.5       10.5
   91          34.5       10.8
   92          33.5       11.3
!Temp is the average 90th percentile of sites 0030 & 0031 for March-November:
TEMP          1     1.0000
    1          0.00      29.9
PHOTO         1     1.000
    1          0.000     0.00
RESP          1     1.000
    1          0.000     0.00
!SATDO @ 29.9 deg C:
SATDO         1     1.000
    1          0.00      7.6
EVAP          1     1.000
    1          0.000     0.00
SEDI          2     1.000
    1          124.5     0.00
    2           55.0      1.0
!0.1 sq mi/day=32.3 sq ft/s.  0.2 sq mi/day=64.5 sq ft/s:
DISP          6     1.000
    1          124.5     32.3
    2           71.5     32.3
    3           70.5     64.5
    4           45.5     64.5
```

```
    5           44.5      32.3
    6           33.5      32.3
COXY           1      1.000
    1           0.00      0.120
CSED           1      1.000
    1           0.000     0.000
NOXY           1      1.000
    1           0.00      0.030
NSED           1      1.000
    1           0.000     0.000
NONPFLOW       1      1.000
    1           0.000     0.000
NONPNBOD       1      1.000
    1           0.000     0.00
NONPCBOD       1      1.000
    1           0.000     0.00
NONPDO         1      1.000
    1           0.000     0.00
C-REAER        4      1.000
MINI-KL         2.3
STOP
FLOW
SENS            1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
                124.5       634
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
                123.9     0.967
!St. Landry Parish Sewer District #1, LA0057401:
               117.81    0.0928
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
               117.69    0.0302
!St. Landry Parish School Board, Leonville High School, LAG540689:
               113.13    0.0152
!Bayou Fusilier outflow=10th percentile flow from USGS Station 07386200:
               105.57                189
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
                98.44    0.0174
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
                94.62    0.0058
!Dallas Trailer Park, LAG530160:
                91.78   0.00464
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                 90.7    0.3481
!Bent Oak Trailer Park, LAG540911:
                88.61    0.0342
!Ruth Canal outflow=10th percentile flow from USGS Station 07386700:
                87.88                143
!St. Martin Parish Police Jury, LA0043991:
                77.52     5.802
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
                71.36       2.3
!Loreauville, Village of; LA0038440:
                63.73    0.1934
!Breaux's Bay Craft Inc., LAG530854:
                 62.9    0.0025
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97    0.0367
!Cajun Sugar Coop Inc, LA0004171:
                57.85     3.868
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89     1.934
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54    0.5802
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44    0.7156
!Bayou Side Trailer Park, LAG530055:
                50.24    0.0093
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86    0.0019
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65    0.0167
```

```
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
              45.41     0.0231
!Yellow Bowl Restaurant, LAG530611:
               38.2     0.0070
!Cypress Bayou Casino, LA0098710:
              33.64     0.2901
STOP
NBOD
SENS          1.000      1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!NBOD from site 10 sample during Bayou Courtableau survey (TKN*4.3):
              124.5        634      2.924
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
              123.9      0.967       43.0
!St. Landry Parish Sewer District #1, LA0057401:
             117.81     0.0928       43.0
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
             117.69     0.0302       64.5
!St. Landry Parish School Board, Leonville High School, LAG540689:
             113.13     0.0152       64.5
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
              98.44     0.0174       64.5
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
              94.62     0.0058       64.5
!Dallas Trailer Park, LAG530160:
              91.78    0.00464       64.5
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
               90.7     0.3481        0.0
!Bent Oak Trailer Park, LAG540911:
              88.61     0.0342       64.5
!St. Martin Parish Police Jury, LA0043991:
              77.52      5.802       43.0
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!NBOD from previous model APR 78 calibration (used NBOD at Teche/Tortue confluence):
              71.36        2.3        8.8
!Loreauville, Village of, LA0038440:
              63.73     0.1934       43.0
!Breaux's Bay Craft Inc., LAG530854:
               62.9     0.0025       64.5
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
              61.97     0.0367       64.5
!Cajun Sugar Coop Inc, LA0004171:
              57.85      3.868        0.0
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
              54.89      1.934        0.0
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
              54.54     0.5802      4.128
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
              54.44     0.7156        0.0
!Bayou Side Trailer Park, LAG530055:
              50.24     0.0093       64.5
!Mosquito Control Contractors Inc (MCCI), LA0100650:
              48.86     0.0019       64.5
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
              46.65     0.0167       64.5
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
              45.41     0.0231       64.5
!Yellow Bowl Restaurant, LAG530611:
               38.2     0.0070       64.5
!Cypress Bayou Casino, LA0098710:
              33.64     0.2901       43.0
STOP
CBOD
SENS          1.000      1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!CBOD from site 10 sample during Bayou Courtableau survey, used GSBOD program:
              124.5        634       4.36
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
              123.9      0.967       23.0
!St. Landry Parish Sewer District #1, LA0057401:
             117.81     0.0928       23.0
```

```
:CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
              117.69    0.0302        69
:St. Landry Parish School Board, Leonville High School, LAG540689:
              113.13    0.0152        69
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
               98.44    0.0174        69
:Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
               94.62    0.0058     103.5
:Dallas Trailer Park, LAG530160:
               91.78   0.00464     103.5
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                90.7    0.3481       0.0
!Bent Oak Trailer Park, LAG540911:
               88.61    0.0342        69
!St. Martin Parish Police Jury, LA0043991:
               77.52     5.802      23.0
:Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
:CBOD from previous model APR 78 calibration (used CBOD at Teche/Tortue confluence):
               71.36       2.3      6.70
:Loreauville, Village of; LA0038440:
               63.73    0.1934      23.0
!Breaux's Bay Craft Inc., LAG530854:
                62.9    0.0025     103.5
:Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
               61.97    0.0367        69
!Cajun Sugar Coop Inc, LA0004171:
               57.85     3.868      34.5
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
               54.89     1.934      41.4
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
               54.54    0.5802       4.6
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
               54.44    0.7156       0.0
!Bayou Side Trailer Park, LAG530055:
               50.24    0.0093     103.5
:Mosquito Control Contractors Inc (MCCI), LA0100650:
               48.86    0.0019     103.5
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
               46.65    0.0167        69
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
               45.41    0.0231        69
!Yellow Bowl Restaurant, LAG530611:
                38.2    0.0070     103.5
!Cypress Bayou Casino, LA0098710:
               33.64    0.2901      23.0
STOP
DO
SENS           1.000     1.000
:Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!DO from site 10 sample during Bayou Courtableau survey:
               124.5       634      5.17
:Town of Port Barre Wastewater Treatment Plant, LA0020419:
               123.9     0.967       2.0
!St. Landry Parish Sewer District #1, LA0057401:
              117.81    0.0928       2.0
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
              117.69    0.0302       2.0
!St. Landry Parish School Board, Leonville High School, LAG540689:
              113.13    0.0152       2.0
:St. Martin Parish School Board, Teche Elementary School, LAG540696:
               98.44    0.0174       2.0
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
               94.62    0.0058       2.0
!Dallas Trailer Park, LAG530160:
               91.78   0.00464       2.0
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                90.7    0.3481       2.0
!Bent Oak Trailer Park, LAG540911:
               88.61    0.0342       2.0
:St. Martin Parish Police Jury, LA0043991:
               77.52     5.802       2.0
```

```
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!DO from previous model APR 78 calibration (used DO at Teche/Tortue confluence):
                71.36       2.3       5.00
!Loreauville, Village of; LA0038440:
                63.73    0.1934       2.0
!Breaux's Bay Craft Inc., LAG530854:
                 62.9    0.0025       2.0
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97    0.0367       2.0
!Cajun Sugar Coop Inc, LA0004171:
                57.85     3.868       2.0
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89     1.934       2.0
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54    0.5802       2.0
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44    0.7156       2.0
!Bayou Side Trailer Park, LAG530055:
                50.24    0.0093       2.0
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86    0.0019       2.0
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65    0.0167       2.0
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
                45.41    0.0231       2.0
!Yellow Bowl Restaurant, LAG530611:
                 38.2    0.0070       2.0
!Cypress Bayou Casino, LA0098710:
                33.64    0.2901       2.0
STOP
HALT
```

```
1CLIWS 1.05*****************************************************************************************************************
 ****************************************************************************************************************************
   LLL                 III     MMM         MMM     NNN      NNN       OOOOOOOOOOO         SSSSSSSSSSSS       SSSSSSSSSSSS
   LLL                 III     MMMM       MMMM     NNNN     NNN      OOOOOOOOOOOOO       SSSSSSSSSSSSS      SSSSSSSSSSSSS
   LLL                 III     MMMMM     MMMMM     NNNNN    NNN     OOOOOOOOOOOOOOO     SS                 SS
   LLL                 III     MMMMMM   MMMMMM     NNNNNN   NNN     OOO         OOO     SSSSSSSSSSSSS      SSSSSSSSSSSSS
   LLL                 III     MMM MMM MMM MMM     NNN NNN  NNN     OOO         OOO      SSSSSSSSSSSSS       SSSSSSSSSSSSS
   LLL                 III     MMM  MMMMM  MMM     NNN  NNN NNN     OOO         OOO               SSSS               SSSS
   LLL                 III     MMM   MMM   MMM     NNN   NNNNNN     OOO         OOO               SSSS               SSSS
   LLLLLLLLLLLLLL      III     MMM    M    MMM     NNN    NNNNN     OOOOOOOOOOOOOOO     SSSSSSSSSSSSSS     SSSSSSSSSSSSSS
   LLLLLLLLLLLLLL      III     MMM         MMM     NNN     NNNN      OOOOOOOOOOOOO      SSSSSSSSSSSSS      SSSSSSSSSSSSS
   LLLLLLLLLLLLLL      III     MMM         MMM     NNN      NNN       OOOOOOOOOOO         SSSSSSSSSSSS       SSSSSSSSSSSS
*****************************************************************************************************************************
*****************************************************************************************************************************
 RUN DATE  11/16/99
 RUN TIME 17:18:32
0********************     STEADY STATE WATER QUALITY MODEL
 ********************
 ********************     RUN TITLE.....Bayou Teche--Summer Projections (Mar-Nov), 3 DO criterion
 ********************
 ********************
 ********************     BASIC NETWORK DATA
 ********************     RIVER MILE AT DOWNSTREAM END...     33.50
 ********************     RIVER MILE AT UPSTREAM END.....    124.50
 ********************     RIVER MILE OF FALL LINE........       .00
 ********************     NUMBER OF SECTIONS.............       500
1*****************************************************************************************************************************
 ****************************************************************************************************************************
 ***********************************                                                   ***********************************
 ***********************************     E S T U A R Y / S T R E A M  I N P U T  D A T A     ***********************************
 ***********************************                                                   ***********************************
 ****************************************************************************************************************************
 ****************************************************************************************************************************
0********************     JUNCT*N WIDTHS (FT)     ********************
```

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	100.000	127	56.34	103.630	252	79.09	122.527	377	101.84	103.593
2	33.59	100.000	128	56.52	103.937	253	79.27	122.382	378	102.02	103.430
3	33.77	100.000	129	56.70	104.228	254	79.45	122.236	379	102.20	103.266
4	33.95	100.000	130	56.89	104.519	255	79.64	122.091	380	102.39	103.102
5	34.14	100.000	131	57.07	104.810	256	79.82	121.945	381	102.57	102.945
6	34.32	100.000	132	57.25	105.101	257	80.00	121.799	382	102.75	102.799
7	34.50	100.000	133	57.43	105.393	258	80.18	121.654	383	102.93	102.654
8	34.68	100.000	134	57.61	105.684	259	80.36	121.508	384	103.11	102.508
9	34.86	100.000	135	57.80	105.975	260	80.55	121.367	385	103.30	102.363
10	35.05	100.000	136	57.98	106.266	261	80.73	121.240	386	103.48	102.217
11	35.23	100.000	137	58.16	106.557	262	80.91	121.112	387	103.66	102.104
12	35.41	100.000	138	58.34	106.849	263	81.09	120.985	388	103.84	101.994
13	35.59	100.000	139	58.52	107.140	264	81.27	120.858	389	104.02	101.885
14	35.77	100.000	140	58.71	107.431	265	81.46	120.730	390	104.21	101.776
15	35.96	100.000	141	58.89	107.722	266	81.64	120.589	391	104.39	101.667
16	36.14	100.000	142	59.07	108.013	267	81.82	120.443	392	104.57	101.565

17	36.32	100.000	143	59.25	108.305	268	82.00	120.298	393	104.75	101.474
18	36.50	100.000	144	59.43	108.596	269	82.18	120.152	394	104.93	101.383
19	36.68	100.000	145	59.62	108.887	270	82.37	120.007	395	105.12	101.292
20	36.87	100.000	146	59.80	109.178	271	82.55	119.861	396	105.30	101.201
21	37.05	100.000	147	59.98	109.469	272	82.73	119.715	397	105.48	101.110
22	37.23	100.000	148	60.16	109.761	273	82.91	119.570	398	105.66	101.084
23	37.41	100.000	149	60.34	110.052	274	83.09	119.424	399	105.84	101.066
24	37.59	100.000	150	60.53	110.343	275	83.28	119.279	400	106.03	101.047
25	37.78	100.000	151	60.71	110.634	276	83.46	119.133	401	106.21	101.029
26	37.96	100.000	152	60.89	110.925	277	83.64	118.987	402	106.39	101.011
27	38.14	100.000	153	61.07	111.217	278	83.82	118.842	403	106.57	101.102
28	38.32	100.000	154	61.25	111.508	279	84.00	118.696	404	106.75	101.357
29	38.50	100.000	155	61.44	111.799	280	84.19	118.551	405	106.94	101.611
30	38.69	100.000	156	61.62	112.114	281	84.37	118.405	406	107.12	101.866
31	38.87	100.000	157	61.80	112.442	282	84.55	118.259	407	107.30	102.121
32	39.05	100.000	158	61.98	112.769	283	84.73	118.114	408	107.48	102.376
33	39.23	100.000	159	62.16	113.097	284	84.91	117.968	409	107.66	102.631
34	39.41	100.000	160	62.35	113.424	285	85.10	117.823	410	107.85	102.885
35	39.60	100.000	161	62.53	113.758	286	85.28	117.677	411	108.03	103.140
36	39.78	100.000	162	62.71	114.122	287	85.46	117.531	412	108.21	103.395
37	39.96	100.000	163	62.89	114.486	288	85.64	117.400	413	108.39	103.650
38	40.14	100.000	164	63.07	114.850	289	85.82	117.273	414	108.57	103.905
39	40.32	100.000	165	63.26	115.214	290	86.01	117.145	415	108.76	104.159
40	40.51	100.000	166	63.44	115.578	291	86.19	117.018	416	108.94	104.414
41	40.69	100.000	167	63.62	115.930	292	86.37	116.890	417	109.12	104.669
42	40.87	100.000	168	63.80	116.275	293	86.55	116.753	418	109.30	104.924
43	41.05	100.000	169	63.98	116.621	294	86.73	116.589	419	109.48	105.179
44	41.23	100.000	170	64.17	116.967	295	86.92	116.425	420	109.67	105.433
45	41.42	100.000	171	64.35	117.313	296	87.10	116.261	421	109.85	105.688
46	41.60	100.000	172	64.53	117.659	297	87.28	116.097	422	110.03	105.943
47	41.78	100.000	173	64.71	118.004	298	87.46	115.934	423	110.21	106.198
48	41.96	100.000	174	64.89	118.350	299	87.64	115.784	424	110.39	106.453
49	42.14	100.000	175	65.08	118.696	300	87.83	115.639	425	110.58	106.707
50	42.33	100.000	176	65.26	119.042	301	88.01	115.493	426	110.76	106.962
51	42.51	100.000	177	65.44	119.388	302	88.19	115.347	427	110.94	107.217
52	42.69	100.000	178	65.62	119.733	303	88.37	115.202	428	111.12	107.472
53	42.87	100.000	179	65.80	120.079	304	88.55	115.051	429	111.30	107.727
54	43.05	100.000	180	65.99	120.425	305	88.74	114.887	430	111.49	107.981
55	43.24	100.000	181	66.17	120.771	306	88.92	114.723	431	111.67	108.236
56	43.42	100.000	182	66.35	121.117	307	89.10	114.559	432	111.85	108.491
57	43.60	100.000	183	66.53	121.462	308	89.28	114.396	433	112.03	108.746
58	43.78	100.000	184	66.71	121.808	309	89.46	114.232	434	112.21	109.001
59	43.96	100.000	185	66.90	122.154	310	89.65	114.068	435	112.40	109.255
60	44.15	100.000	186	67.08	122.500	311	89.83	113.904	436	112.58	109.510
61	44.33	100.000	187	67.26	122.846	312	90.01	113.740	437	112.76	109.765
62	44.51	100.000	188	67.44	123.191	313	90.19	113.577	438	112.94	110.020
63	44.69	100.000	189	67.62	123.537	314	90.37	113.413	439	113.12	110.275
64	44.87	100.000	190	67.81	123.883	315	90.56	113.249	440	113.31	110.529
65	45.06	100.000	191	67.99	124.229	316	90.74	113.085	441	113.49	110.784
66	45.24	100.000	192	68.17	124.575	317	90.92	112.921	442	113.67	111.039
67	45.42	100.000	193	68.35	124.920	318	91.10	112.758	443	113.85	111.294
68	45.60	100.000	194	68.53	125.235	319	91.28	112.594	444	114.03	111.549

69	45.78	100.000	195	68.72	125.417	320	91.47	112.430	445	114.22	111.803
70	45.97	100.000	196	68.90	125.599	321	91.65	112.281	446	114.40	112.058
71	46.15	100.000	197	69.08	125.781	322	91.83	112.135	447	114.58	112.313
72	46.33	100.000	198	69.26	125.963	323	92.01	111.990	448	114.76	112.568
73	46.51	100.000	199	69.44	126.145	324	92.19	111.844	449	114.94	112.823
74	46.69	100.000	200	69.63	126.200	325	92.38	111.699	450	115.13	113.077
75	46.88	100.000	201	69.81	126.200	326	92.56	111.547	451	115.31	113.332
76	47.06	100.000	202	69.99	126.200	327	92.74	111.383	452	115.49	113.587
77	47.24	100.000	203	70.17	126.200	328	92.92	111.220	453	115.67	113.842
78	47.42	100.000	204	70.35	126.200	329	93.10	111.056	454	115.85	114.097
79	47.60	100.000	205	70.54	126.318	330	93.29	110.892	455	116.04	114.351
80	47.79	100.000	206	70.72	126.900	331	93.47	110.728	456	116.22	114.606
81	47.97	100.000	207	70.90	127.483	332	93.65	110.579	457	116.40	114.861
82	48.15	100.000	208	71.08	128.065	333	93.83	110.434	458	116.58	115.116
83	48.33	100.000	209	71.26	128.647	334	94.01	110.288	459	116.76	115.370
84	48.51	100.000	210	71.45	129.230	335	94.20	110.143	460	116.95	115.625
85	48.70	100.000	211	71.63	129.323	336	94.38	109.997	461	117.13	115.880
86	48.88	100.000	212	71.81	129.214	337	94.56	109.845	462	117.31	116.135
87	49.06	100.000	213	71.99	129.104	338	94.74	109.682	463	117.49	116.390
88	49.24	100.000	214	72.17	128.995	339	94.92	109.518	464	117.67	116.644
89	49.42	100.000	215	72.36	128.886	340	95.11	109.354	465	117.86	116.899
90	49.61	100.000	216	72.54	128.765	341	95.29	109.190	466	118.04	117.154
91	49.79	100.000	217	72.72	128.601	342	95.47	109.026	467	118.22	117.409
92	49.97	100.000	218	72.90	128.437	343	95.65	108.878	468	118.40	117.664
93	50.15	100.000	219	73.08	128.274	344	95.83	108.732	469	118.58	117.927
94	50.33	100.000	220	73.27	128.110	345	96.02	108.587	470	118.77	118.200
95	50.52	100.000	221	73.45	127.946	346	96.20	108.441	471	118.95	118.473
96	50.70	100.000	222	73.63	127.782	347	96.38	108.295	472	119.13	118.746
97	50.88	100.000	223	73.81	127.618	348	96.56	108.144	473	119.31	119.019
98	51.06	100.000	224	73.99	127.455	349	96.74	107.980	474	119.49	119.292
99	51.24	100.000	225	74.18	127.291	350	96.93	107.816	475	119.68	119.547
100	51.43	100.000	226	74.36	127.127	351	97.11	107.652	476	119.86	119.802
101	51.61	100.000	227	74.54	126.955	352	97.29	107.488	477	120.04	120.057
102	51.79	100.000	228	74.72	126.755	353	97.47	107.325	478	120.22	120.312
103	51.97	100.000	229	74.90	126.555	354	97.65	107.176	479	120.40	120.566
104	52.15	100.000	230	75.09	126.354	355	97.84	107.031	480	120.59	120.821
105	52.34	100.000	231	75.27	126.154	356	98.02	106.885	481	120.77	121.076
106	52.52	100.000	232	75.45	125.954	357	98.20	106.739	482	120.95	121.331
107	52.70	100.000	233	75.63	125.754	358	98.38	106.594	483	121.13	121.586
108	52.88	100.000	234	75.81	125.554	359	98.56	106.442	484	121.31	121.840
109	53.06	100.000	235	76.00	125.354	360	98.75	106.278	485	121.50	122.095
110	53.25	100.000	236	76.18	125.153	361	98.93	106.114	486	121.68	122.350
111	53.43	100.000	237	76.36	124.953	362	99.11	105.950	487	121.86	122.605
112	53.61	100.067	238	76.54	124.757	363	99.29	105.787	488	122.04	122.860
113	53.79	100.176	239	76.72	124.575	364	99.47	105.623	489	122.22	123.114
114	53.97	100.285	240	76.91	124.393	365	99.66	105.475	490	122.41	123.369
115	54.16	100.394	241	77.09	124.211	366	99.84	105.329	491	122.59	123.624
116	54.34	100.503	242	77.27	124.029	367	100.02	105.183	492	122.77	123.879
117	54.52	100.633	243	77.45	123.847	368	100.20	105.038	493	122.95	124.134
118	54.70	100.925	244	77.63	123.692	369	100.38	104.892	494	123.13	124.388
119	54.88	101.216	245	77.82	123.547	370	100.57	104.740	495	123.32	124.643
120	55.07	101.507	246	78.00	123.401	371	100.75	104.576	496	123.50	124.898

121	55.25	101.798	247	78.18	123.255	372	100.93	104.412	497	123.68	125.153
122	55.43	102.089	248	78.36	123.110	373	101.11	104.249	498	123.86	125.408
123	55.61	102.392	249	78.54	122.964	374	101.29	104.085	499	124.04	125.662
124	55.79	102.701	250	78.73	122.819	375	101.48	103.921	500	124.23	125.917
125	55.98	103.011	251	78.91	122.673	376	101.66	103.757	501	124.41	126.172
126	56.16	103.320									

0********** JUNCTION SURFACE AREAS (SQFT) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	9.610E+04	127	56.34	9.958E+04	252	79.09	1.177E+05	377	101.84	9.955E+04
2	33.59	9.610E+04	128	56.52	9.988E+04	253	79.27	1.176E+05	378	102.02	9.939E+04
3	33.77	9.610E+04	129	56.70	1.002E+05	254	79.45	1.175E+05	379	102.20	9.923E+04
4	33.95	9.610E+04	130	56.89	1.004E+05	255	79.64	1.173E+05	380	102.39	9.908E+04
5	34.14	9.610E+04	131	57.07	1.007E+05	256	79.82	1.172E+05	381	102.57	9.893E+04
6	34.32	9.610E+04	132	57.25	1.010E+05	257	80.00	1.170E+05	382	102.75	9.879E+04
7	34.50	9.610E+04	133	57.43	1.013E+05	258	80.18	1.169E+05	383	102.93	9.865E+04
8	34.68	9.610E+04	134	57.61	1.016E+05	259	80.36	1.168E+05	384	103.11	9.851E+04
9	34.86	9.610E+04	135	57.80	1.018E+05	260	80.55	1.166E+05	385	103.30	9.837E+04
10	35.05	9.610E+04	136	57.98	1.021E+05	261	80.73	1.165E+05	386	103.48	9.823E+04
11	35.23	9.610E+04	137	58.16	1.024E+05	262	80.91	1.164E+05	387	103.66	9.812E+04
12	35.41	9.610E+04	138	58.34	1.027E+05	263	81.09	1.163E+05	388	103.84	9.801E+04
13	35.59	9.610E+04	139	58.52	1.030E+05	264	81.27	1.161E+05	389	104.02	9.791E+04
14	35.77	9.610E+04	140	58.71	1.032E+05	265	81.46	1.160E+05	390	104.21	9.780E+04
15	35.96	9.610E+04	141	58.89	1.035E+05	266	81.64	1.159E+05	391	104.39	9.770E+04
16	36.14	9.610E+04	142	59.07	1.038E+05	267	81.82	1.157E+05	392	104.57	9.760E+04
17	36.32	9.610E+04	143	59.25	1.041E+05	268	82.00	1.156E+05	393	104.75	9.751E+04
18	36.50	9.610E+04	144	59.43	1.044E+05	269	82.18	1.155E+05	394	104.93	9.742E+04
19	36.68	9.610E+04	145	59.62	1.046E+05	270	82.37	1.153E+05	395	105.12	9.734E+04
20	36.87	9.610E+04	146	59.80	1.049E+05	271	82.55	1.152E+05	396	105.30	9.725E+04
21	37.05	9.610E+04	147	59.98	1.052E+05	272	82.73	1.150E+05	397	105.48	9.716E+04
22	37.23	9.610E+04	148	60.16	1.055E+05	273	82.91	1.149E+05	398	105.66	9.714E+04
23	37.41	9.610E+04	149	60.34	1.058E+05	274	83.09	1.148E+05	399	105.84	9.712E+04
24	37.59	9.610E+04	150	60.53	1.060E+05	275	83.28	1.146E+05	400	106.03	9.710E+04
25	37.78	9.610E+04	151	60.71	1.063E+05	276	83.46	1.145E+05	401	106.21	9.708E+04
26	37.96	9.610E+04	152	60.89	1.066E+05	277	83.64	1.143E+05	402	106.39	9.707E+04
27	38.14	9.610E+04	153	61.07	1.069E+05	278	83.82	1.142E+05	403	106.57	9.715E+04
28	38.32	9.610E+04	154	61.25	1.072E+05	279	84.00	1.141E+05	404	106.75	9.740E+04
29	38.50	9.610E+04	155	61.44	1.074E+05	280	84.19	1.139E+05	405	106.94	9.764E+04
30	38.69	9.610E+04	156	61.62	1.077E+05	281	84.37	1.138E+05	406	107.12	9.789E+04
31	38.87	9.610E+04	157	61.80	1.081E+05	282	84.55	1.136E+05	407	107.30	9.813E+04
32	39.05	9.610E+04	158	61.98	1.084E+05	283	84.73	1.135E+05	408	107.48	9.838E+04
33	39.23	9.610E+04	159	62.16	1.087E+05	284	84.91	1.134E+05	409	107.66	9.862E+04
34	39.41	9.610E+04	160	62.35	1.090E+05	285	85.10	1.132E+05	410	107.85	9.887E+04
35	39.60	9.610E+04	161	62.53	1.093E+05	286	85.28	1.131E+05	411	108.03	9.911E+04
36	39.78	9.610E+04	162	62.71	1.097E+05	287	85.46	1.129E+05	412	108.21	9.936E+04
37	39.96	9.610E+04	163	62.89	1.100E+05	288	85.64	1.128E+05	413	108.39	9.960E+04
38	40.14	9.610E+04	164	63.07	1.104E+05	289	85.82	1.127E+05	414	108.57	9.985E+04
39	40.32	9.610E+04	165	63.26	1.107E+05	290	86.01	1.126E+05	415	108.76	1.001E+05
40	40.51	9.610E+04	166	63.44	1.111E+05	291	86.19	1.124E+05	416	108.94	1.003E+05
41	40.69	9.610E+04	167	63.62	1.114E+05	292	86.37	1.123E+05	417	109.12	1.006E+05
42	40.87	9.610E+04	168	63.80	1.117E+05	293	86.55	1.122E+05	418	109.30	1.008E+05
43	41.05	9.610E+04	169	63.98	1.121E+05	294	86.73	1.120E+05	419	109.48	1.011E+05

44	41.23	9.610E+04	170	64.17	1.124E+05	295	86.92	1.119E+05	420	109.67	1.013E+05
45	41.42	9.610E+04	171	64.35	1.127E+05	296	87.10	1.117E+05	421	109.85	1.016E+05
46	41.60	9.610E+04	172	64.53	1.131E+05	297	87.28	1.116E+05	422	110.03	1.018E+05
47	41.78	9.610E+04	173	64.71	1.134E+05	298	87.46	1.114E+05	423	110.21	1.021E+05
48	41.96	9.610E+04	174	64.89	1.137E+05	299	87.64	1.113E+05	424	110.39	1.023E+05
49	42.14	9.610E+04	175	65.08	1.141E+05	300	87.83	1.111E+05	425	110.58	1.025E+05
50	42.33	9.610E+04	176	65.26	1.144E+05	301	88.01	1.110E+05	426	110.76	1.028E+05
51	42.51	9.610E+04	177	65.44	1.147E+05	302	88.19	1.108E+05	427	110.94	1.030E+05
52	42.69	9.610E+04	178	65.62	1.151E+05	303	88.37	1.107E+05	428	111.12	1.033E+05
53	42.87	9.610E+04	179	65.80	1.154E+05	304	88.55	1.106E+05	429	111.30	1.035E+05
54	43.05	9.610E+04	180	65.99	1.157E+05	305	88.74	1.104E+05	430	111.49	1.038E+05
55	43.24	9.610E+04	181	66.17	1.161E+05	306	88.92	1.102E+05	431	111.67	1.040E+05
56	43.42	9.610E+04	182	66.35	1.164E+05	307	89.10	1.101E+05	432	111.85	1.043E+05
57	43.60	9.610E+04	183	66.53	1.167E+05	308	89.28	1.099E+05	433	112.03	1.045E+05
58	43.78	9.610E+04	184	66.71	1.171E+05	309	89.46	1.098E+05	434	112.21	1.047E+05
59	43.96	9.610E+04	185	66.90	1.174E+05	310	89.65	1.096E+05	435	112.40	1.050E+05
60	44.15	9.610E+04	186	67.08	1.177E+05	311	89.83	1.095E+05	436	112.58	1.052E+05
61	44.33	9.610E+04	187	67.26	1.180E+05	312	90.01	1.093E+05	437	112.76	1.055E+05
62	44.51	9.610E+04	188	67.44	1.184E+05	313	90.19	1.091E+05	438	112.94	1.057E+05
63	44.69	9.610E+04	189	67.62	1.187E+05	314	90.37	1.090E+05	439	113.12	1.060E+05
64	44.87	9.610E+04	190	67.81	1.190E+05	315	90.56	1.088E+05	440	113.31	1.062E+05
65	45.06	9.610E+04	191	67.99	1.194E+05	316	90.74	1.087E+05	441	113.49	1.065E+05
66	45.24	9.610E+04	192	68.17	1.197E+05	317	90.92	1.085E+05	442	113.67	1.067E+05
67	45.42	9.610E+04	193	68.35	1.200E+05	318	91.10	1.084E+05	443	113.85	1.069E+05
68	45.60	9.610E+04	194	68.53	1.203E+05	319	91.28	1.082E+05	444	114.03	1.072E+05
69	45.78	9.610E+04	195	68.72	1.205E+05	320	91.47	1.080E+05	445	114.22	1.074E+05
70	45.97	9.610E+04	196	68.90	1.207E+05	321	91.65	1.079E+05	446	114.40	1.077E+05
71	46.15	9.610E+04	197	69.08	1.209E+05	322	91.83	1.078E+05	447	114.58	1.079E+05
72	46.33	9.610E+04	198	69.26	1.210E+05	323	92.01	1.076E+05	448	114.76	1.082E+05
73	46.51	9.610E+04	199	69.44	1.212E+05	324	92.19	1.075E+05	449	114.94	1.084E+05
74	46.69	9.610E+04	200	69.63	1.213E+05	325	92.38	1.073E+05	450	115.13	1.087E+05
75	46.88	9.610E+04	201	69.81	1.213E+05	326	92.56	1.072E+05	451	115.31	1.089E+05
76	47.06	9.610E+04	202	69.99	1.213E+05	327	92.74	1.070E+05	452	115.49	1.092E+05
77	47.24	9.610E+04	203	70.17	1.213E+05	328	92.92	1.069E+05	453	115.67	1.094E+05
78	47.42	9.610E+04	204	70.35	1.213E+05	329	93.10	1.067E+05	454	115.85	1.096E+05
79	47.60	9.610E+04	205	70.54	1.214E+05	330	93.29	1.066E+05	455	116.04	1.099E+05
80	47.79	9.610E+04	206	70.72	1.219E+05	331	93.47	1.064E+05	456	116.22	1.101E+05
81	47.97	9.610E+04	207	70.90	1.225E+05	332	93.65	1.063E+05	457	116.40	1.104E+05
82	48.15	9.610E+04	208	71.08	1.231E+05	333	93.83	1.061E+05	458	116.58	1.106E+05
83	48.33	9.610E+04	209	71.26	1.236E+05	334	94.01	1.060E+05	459	116.76	1.109E+05
84	48.51	9.610E+04	210	71.45	1.242E+05	335	94.20	1.058E+05	460	116.95	1.111E+05
85	48.70	9.610E+04	211	71.63	1.243E+05	336	94.38	1.057E+05	461	117.13	1.114E+05
86	48.88	9.610E+04	212	71.81	1.242E+05	337	94.56	1.056E+05	462	117.31	1.116E+05
87	49.06	9.610E+04	213	71.99	1.241E+05	338	94.74	1.054E+05	463	117.49	1.118E+05
88	49.24	9.610E+04	214	72.17	1.240E+05	339	94.92	1.052E+05	464	117.67	1.121E+05
89	49.42	9.610E+04	215	72.36	1.239E+05	340	95.11	1.051E+05	465	117.86	1.123E+05
90	49.61	9.610E+04	216	72.54	1.237E+05	341	95.29	1.049E+05	466	118.04	1.126E+05
91	49.79	9.610E+04	217	72.72	1.236E+05	342	95.47	1.048E+05	467	118.22	1.128E+05
92	49.97	9.610E+04	218	72.90	1.234E+05	343	95.65	1.046E+05	468	118.40	1.131E+05
93	50.15	9.610E+04	219	73.08	1.233E+05	344	95.83	1.045E+05	469	118.58	1.133E+05
94	50.33	9.610E+04	220	73.27	1.231E+05	345	96.02	1.043E+05	470	118.77	1.136E+05
95	50.52	9.610E+04	221	73.45	1.230E+05	346	96.20	1.042E+05	471	118.95	1.138E+05

96	50.70	9.610E+04	222	73.63	1.228E+05	347	96.38	1.041E+05	472	119.13	1.141E+05
97	50.88	9.610E+04	223	73.81	1.226E+05	348	96.56	1.039E+05	473	119.31	1.144E+05
98	51.06	9.610E+04	224	73.99	1.225E+05	349	96.74	1.038E+05	474	119.49	1.146E+05
99	51.24	9.610E+04	225	74.18	1.223E+05	350	96.93	1.036E+05	475	119.68	1.149E+05
100	51.43	9.610E+04	226	74.36	1.222E+05	351	97.11	1.034E+05	476	119.86	1.151E+05
101	51.61	9.610E+04	227	74.54	1.220E+05	352	97.29	1.033E+05	477	120.04	1.154E+05
102	51.79	9.610E+04	228	74.72	1.218E+05	353	97.47	1.031E+05	478	120.22	1.156E+05
103	51.97	9.610E+04	229	74.90	1.216E+05	354	97.65	1.030E+05	479	120.40	1.159E+05
104	52.15	9.610E+04	230	75.09	1.214E+05	355	97.84	1.029E+05	480	120.59	1.161E+05
105	52.34	9.610E+04	231	75.27	1.212E+05	356	98.02	1.027E+05	481	120.77	1.163E+05
106	52.52	9.610E+04	232	75.45	1.210E+05	357	98.20	1.026E+05	482	120.95	1.166E+05
107	52.70	9.610E+04	233	75.63	1.208E+05	358	98.38	1.024E+05	483	121.13	1.168E+05
108	52.88	9.610E+04	234	75.81	1.207E+05	359	98.56	1.023E+05	484	121.31	1.171E+05
109	53.06	9.610E+04	235	76.00	1.205E+05	360	98.75	1.021E+05	485	121.50	1.173E+05
110	53.25	9.610E+04	236	76.18	1.203E+05	361	98.93	1.020E+05	486	121.68	1.176E+05
111	53.43	9.610E+04	237	76.36	1.201E+05	362	99.11	1.018E+05	487	121.86	1.178E+05
112	53.61	9.616E+04	238	76.54	1.199E+05	363	99.29	1.017E+05	488	122.04	1.181E+05
113	53.79	9.626E+04	239	76.72	1.197E+05	364	99.47	1.015E+05	489	122.22	1.183E+05
114	53.97	9.637E+04	240	76.91	1.195E+05	365	99.66	1.014E+05	490	122.41	1.186E+05
115	54.16	9.647E+04	241	77.09	1.194E+05	366	99.84	1.012E+05	491	122.59	1.188E+05
116	54.34	9.658E+04	242	77.27	1.192E+05	367	100.02	1.011E+05	492	122.77	1.190E+05
117	54.52	9.670E+04	243	77.45	1.190E+05	368	100.20	1.009E+05	493	122.95	1.193E+05
118	54.70	9.698E+04	244	77.63	1.189E+05	369	100.38	1.008E+05	494	123.13	1.195E+05
119	54.88	9.726E+04	245	77.82	1.187E+05	370	100.57	1.007E+05	495	123.32	1.198E+05
120	55.07	9.754E+04	246	78.00	1.186E+05	371	100.75	1.005E+05	496	123.50	1.200E+05
121	55.25	9.782E+04	247	78.18	1.184E+05	372	100.93	1.003E+05	497	123.68	1.203E+05
122	55.43	9.810E+04	248	78.36	1.183E+05	373	101.11	1.002E+05	498	123.86	1.205E+05
123	55.61	9.839E+04	249	78.54	1.182E+05	374	101.29	1.000E+05	499	124.04	1.208E+05
124	55.79	9.869E+04	250	78.73	1.180E+05	375	101.48	9.986E+04	500	124.23	1.210E+05
125	55.98	9.899E+04	251	78.91	1.179E+05	376	101.66	9.971E+04	501	124.41	1.212E+05
126	56.16	9.929E+04									

0********** A3 COEFFICIENT FOR FLOW EQUATION -REPRESENTS DEPTH OF FLOW IF A1 AND/OR A2 ARE **********
********** NOT SPECIFIED (OR ARE ZERO) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	11.300	127	56.34	10.268	252	79.09	7.241	377	101.84	5.566
2	33.59	11.255	128	56.52	10.307	253	79.27	7.223	378	102.02	5.548
3	33.77	11.164	129	56.70	10.361	254	79.45	7.205	379	102.20	5.530
4	33.95	11.073	130	56.89	10.416	255	79.64	7.186	380	102.39	5.511
5	34.14	10.982	131	57.07	10.471	256	79.82	7.168	381	102.57	5.500
6	34.32	10.891	132	57.25	10.525	257	80.00	7.150	382	102.75	5.500
7	34.50	10.800	133	57.43	10.580	258	80.18	7.132	383	102.93	5.500
8	34.68	10.745	134	57.61	10.623	259	80.36	7.114	384	103.11	5.500
9	34.86	10.691	135	57.80	10.659	260	80.55	7.091	385	103.30	5.500
10	35.05	10.636	136	57.98	10.696	261	80.73	7.054	386	103.48	5.500
11	35.23	10.581	137	58.16	10.732	262	80.91	7.018	387	103.66	5.516
12	35.41	10.527	138	58.34	10.769	263	81.09	6.981	388	103.84	5.534
13	35.59	10.500	139	58.52	10.805	264	81.27	6.945	389	104.02	5.552
14	35.77	10.500	140	58.71	10.841	265	81.46	6.909	390	104.21	5.571
15	35.96	10.500	141	58.89	10.878	266	81.64	6.886	391	104.39	5.589
16	36.14	10.500	142	59.07	10.914	267	81.82	6.868	392	104.57	5.607
17	36.32	10.500	143	59.25	10.951	268	82.00	6.850	393	104.75	5.625

18	36.50	10.501	144	59.43	10.987	269	82.18	6.832	394	104.93	5.643
19	36.68	10.555	145	59.62	11.023	270	82.37	6.813	395	105.12	5.662
20	36.87	10.610	146	59.80	11.060	271	82.55	6.795	396	105.30	5.680
21	37.05	10.665	147	59.98	11.096	272	82.73	6.777	397	105.48	5.698
22	37.23	10.719	148	60.16	11.133	273	82.91	6.759	398	105.66	5.733
23	37.41	10.774	149	60.34	11.169	274	83.09	6.741	399	105.84	5.769
24	37.59	10.866	150	60.53	11.208	275	83.28	6.722	400	106.03	5.805
25	37.78	10.994	151	60.71	11.263	276	83.46	6.704	401	106.21	5.842
26	37.96	11.121	152	60.89	11.317	277	83.64	6.672	402	106.39	5.878
27	38.14	11.249	153	61.07	11.372	278	83.82	6.635	403	106.57	5.907
28	38.32	11.376	154	61.25	11.426	279	84.00	6.599	404	106.75	5.925
29	38.50	11.501	155	61.44	11.481	280	84.19	6.563	405	106.94	5.944
30	38.69	11.556	156	61.62	11.452	281	84.37	6.526	406	107.12	5.962
31	38.87	11.611	157	61.80	11.380	282	84.55	6.495	407	107.30	5.980
32	39.05	11.665	158	61.98	11.307	283	84.73	6.477	408	107.48	5.998
33	39.23	11.720	159	62.16	11.234	284	84.91	6.459	409	107.66	6.016
34	39.41	11.774	160	62.35	11.161	285	85.10	6.440	410	107.85	6.035
35	39.60	11.800	161	62.53	11.088	286	85.28	6.422	411	108.03	6.053
36	39.78	11.800	162	62.71	11.016	287	85.46	6.404	412	108.21	6.071
37	39.96	11.800	163	62.89	10.943	288	85.64	6.386	413	108.39	6.089
38	40.14	11.800	164	63.07	10.870	289	85.82	6.368	414	108.57	6.107
39	40.32	11.800	165	63.26	10.797	290	86.01	6.349	415	108.76	6.126
40	40.51	11.798	166	63.44	10.724	291	86.19	6.331	416	108.94	6.144
41	40.69	11.743	167	63.62	10.640	292	86.37	6.313	417	109.12	6.162
42	40.87	11.689	168	63.80	10.549	293	86.55	6.295	418	109.30	6.180
43	41.05	11.634	169	63.98	10.458	294	86.73	6.277	419	109.48	6.198
44	41.23	11.580	170	64.17	10.367	295	86.92	6.258	420	109.67	6.183
45	41.42	11.525	171	64.35	10.276	296	87.10	6.240	421	109.85	6.165
46	41.60	11.579	172	64.53	10.188	297	87.28	6.222	422	110.03	6.147
47	41.78	11.725	173	64.71	10.115	298	87.46	6.204	423	110.21	6.129
48	41.96	11.870	174	64.89	10.042	299	87.64	6.186	424	110.39	6.111
49	42.14	12.016	175	65.08	9.969	300	87.83	6.167	425	110.58	6.077
50	42.33	12.162	176	65.26	9.896	301	88.01	6.149	426	110.76	6.022
51	42.51	12.294	177	65.44	9.824	302	88.19	6.131	427	110.94	5.968
52	42.69	12.166	178	65.62	9.739	303	88.37	6.113	428	111.12	5.913
53	42.87	12.039	179	65.80	9.648	304	88.55	6.095	429	111.30	5.859
54	43.05	11.912	180	65.99	9.557	305	88.74	6.076	430	111.49	5.804
55	43.24	11.784	181	66.17	9.466	306	88.92	6.058	431	111.67	5.749
56	43.42	11.657	182	66.35	9.375	307	89.10	6.040	432	111.85	5.695
57	43.60	11.539	183	66.53	9.287	308	89.28	6.022	433	112.03	5.640
58	43.78	11.430	184	66.71	9.214	309	89.46	6.004	434	112.21	5.586
59	43.96	11.321	185	66.90	9.141	310	89.65	5.985	435	112.40	5.531
60	44.15	11.212	186	67.08	9.068	311	89.83	5.967	436	112.58	5.469
61	44.33	11.103	187	67.26	8.996	312	90.01	5.949	437	112.76	5.396
62	44.51	10.993	188	67.44	8.923	313	90.19	5.931	438	112.94	5.323
63	44.69	10.884	189	67.62	8.838	314	90.37	5.913	439	113.12	5.250
64	44.87	10.775	190	67.81	8.747	315	90.56	5.900	440	113.31	5.177
65	45.06	10.666	191	67.99	8.656	316	90.74	5.900	441	113.49	5.105
66	45.24	10.557	192	68.17	8.565	317	90.92	5.900	442	113.67	5.117
67	45.42	10.447	193	68.35	8.474	318	91.10	5.900	443	113.85	5.135
68	45.60	10.349	194	68.53	8.393	319	91.28	5.900	444	114.03	5.153
69	45.78	10.258	195	68.72	8.357	320	91.47	5.900	445	114.22	5.172

70	45.97	10.167	196	68.90	8.320	321	91.65	5.885	446	114.40	5.190
71	46.15	10.076	197	69.08	8.284	322	91.83	5.867	447	114.58	5.216
72	46.33	9.985	198	69.26	8.247	323	92.01	5.849	448	114.76	5.253
73	46.51	9.916	199	69.44	8.211	324	92.19	5.831	449	114.94	5.289
74	46.69	10.134	200	69.63	8.200	325	92.38	5.812	450	115.13	5.325
75	46.88	10.352	201	69.81	8.200	326	92.56	5.800	451	115.31	5.362
76	47.06	10.571	202	69.99	8.200	327	92.74	5.800	452	115.49	5.398
77	47.24	10.789	203	70.17	8.200	328	92.92	5.800	453	115.67	5.452
78	47.42	11.008	204	70.35	8.200	329	93.10	5.800	454	115.85	5.506
79	47.60	11.236	205	70.54	8.174	330	93.29	5.800	455	116.04	5.561
80	47.79	11.473	206	70.72	8.047	331	93.47	5.800	456	116.22	5.616
81	47.97	11.710	207	70.90	7.919	332	93.65	5.800	457	116.40	5.670
82	48.15	11.946	208	71.08	7.792	333	93.83	5.800	458	116.58	5.725
83	48.33	12.183	209	71.26	7.665	334	94.01	5.800	459	116.76	5.779
84	48.51	12.396	210	71.45	7.537	335	94.20	5.800	460	116.95	5.834
85	48.70	12.341	211	71.63	7.552	336	94.38	5.800	461	117.13	5.889
86	48.88	12.286	212	71.81	7.624	337	94.56	5.794	462	117.31	5.943
87	49.06	12.232	213	71.99	7.697	338	94.74	5.776	463	117.49	5.998
88	49.24	12.177	214	72.17	7.770	339	94.92	5.758	464	117.67	6.052
89	49.42	12.123	215	72.36	7.843	340	95.11	5.739	465	117.86	6.107
90	49.61	11.822	216	72.54	7.923	341	95.29	5.721	466	118.04	6.162
91	49.79	11.349	217	72.72	8.032	342	95.47	5.703	467	118.22	6.216
92	49.97	10.876	218	72.90	8.142	343	95.65	5.700	468	118.40	6.271
93	50.15	10.402	219	73.08	8.251	344	95.83	5.700	469	118.58	6.325
94	50.33	9.929	220	73.27	8.360	345	96.02	5.700	470	118.77	6.380
95	50.52	9.498	221	73.45	8.469	346	96.20	5.700	471	118.95	6.435
96	50.70	9.480	222	73.63	8.539	347	96.38	5.700	472	119.13	6.489
97	50.88	9.462	223	73.81	8.594	348	96.56	5.700	473	119.31	6.544
98	51.06	9.444	224	73.99	8.648	349	96.74	5.700	474	119.49	6.598
99	51.24	9.426	225	74.18	8.703	350	96.93	5.700	475	119.68	6.653
100	51.43	9.407	226	74.36	8.758	351	97.11	5.700	476	119.86	6.708
101	51.61	9.563	227	74.54	8.780	352	97.29	5.700	477	120.04	6.762
102	51.79	9.836	228	74.72	8.689	353	97.47	5.700	478	120.22	6.817
103	51.97	10.109	229	74.90	8.598	354	97.65	5.700	479	120.40	6.871
104	52.15	10.382	230	75.09	8.507	355	97.84	5.700	480	120.59	6.917
105	52.34	10.655	231	75.27	8.416	356	98.02	5.700	481	120.77	6.954
106	52.52	10.879	232	75.45	8.325	357	98.20	5.700	482	120.95	6.990
107	52.70	10.679	233	75.63	8.234	358	98.38	5.700	483	121.13	7.027
108	52.88	10.479	234	75.81	8.143	359	98.56	5.694	484	121.31	7.063
109	53.06	10.279	235	76.00	8.052	360	98.75	5.675	485	121.50	7.099
110	53.25	10.078	236	76.18	7.961	361	98.93	5.657	486	121.68	7.154
111	53.43	9.878	237	76.36	7.870	362	99.11	5.639	487	121.86	7.208
112	53.61	9.811	238	76.54	7.787	363	99.29	5.621	488	122.04	7.263
113	53.79	9.829	239	76.72	7.733	364	99.47	5.603	489	122.22	7.317
114	53.97	9.847	240	76.91	7.678	365	99.66	5.600	490	122.41	7.372
115	54.16	9.866	241	77.09	7.623	366	99.84	5.600	491	122.59	7.427
116	54.34	9.884	242	77.27	7.569	367	100.02	5.600	492	122.77	7.481
117	54.52	9.904	243	77.45	7.514	368	100.20	5.600	493	122.95	7.536
118	54.70	9.941	244	77.63	7.473	369	100.38	5.600	494	123.13	7.590
119	54.88	9.977	245	77.82	7.437	370	100.57	5.600	495	123.32	7.645
120	55.07	10.013	246	78.00	7.400	371	100.75	5.600	496	123.50	7.700
121	55.25	10.050	247	78.18	7.364	372	100.93	5.600	497	123.68	7.754

122	55.43	10.086	248	78.36	7.327	373	101.11	5.600	498	123.86	7.809
123	55.61	10.123	249	78.54	7.296	374	101.29	5.600	499	124.04	7.863
124	55.79	10.159	250	78.73	7.277	375	101.48	5.600	500	124.23	7.918
125	55.98	10.195	251	78.91	7.259	376	101.66	5.584	501	124.41	7.973
126	56.16	10.232									

0********** JUNCTION WATER TEMPERATURES (DEG-C) **********

ALL VALUES = 29.900

0********** INPUTED OXYGEN SATURATION CONCENTRATIONS (PPM) **********

ALL VALUES = 7.600

0********** NET EVAPORATION - RAINFALL (IN/MO) **********

ALL VALUES = 0.000E+00

0********** OXYGEN UPTAKE OF SEDIMENTS (GM 02/SQM/DAY) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.883	127	56.34	1.846	252	79.09	1.230	377	101.84	.614
2	33.59	1.883	128	56.52	1.842	253	79.27	1.225	378	102.02	.609
3	33.77	1.883	129	56.70	1.837	254	79.45	1.220	379	102.20	.604
4	33.95	1.883	130	56.89	1.832	255	79.64	1.215	380	102.39	.599
5	34.14	1.883	131	57.07	1.827	256	79.82	1.210	381	102.57	.594
6	34.32	1.883	132	57.25	1.822	257	80.00	1.205	382	102.75	.589
7	34.50	1.883	133	57.43	1.817	258	80.18	1.201	383	102.93	.584
8	34.68	1.883	134	57.61	1.812	259	80.36	1.196	384	103.11	.579
9	34.86	1.883	135	57.80	1.807	260	80.55	1.191	385	103.30	.574
10	35.05	1.883	136	57.98	1.802	261	80.73	1.186	386	103.48	.569
11	35.23	1.883	137	58.16	1.797	262	80.91	1.181	387	103.66	.565
12	35.41	1.883	138	58.34	1.792	263	81.09	1.176	388	103.84	.560
13	35.59	1.883	139	58.52	1.787	264	81.27	1.171	389	104.02	.555
14	35.77	1.883	140	58.71	1.782	265	81.46	1.166	390	104.21	.550
15	35.96	1.883	141	58.89	1.777	266	81.64	1.161	391	104.39	.545
16	36.14	1.883	142	59.07	1.772	267	81.82	1.156	392	104.57	.540
17	36.32	1.883	143	59.25	1.768	268	82.00	1.151	393	104.75	.535
18	36.50	1.883	144	59.43	1.763	269	82.18	1.146	394	104.93	.530
19	36.68	1.883	145	59.62	1.758	270	82.37	1.141	395	105.12	.525
20	36.87	1.883	146	59.80	1.753	271	82.55	1.136	396	105.30	.520
21	37.05	1.883	147	59.98	1.748	272	82.73	1.132	397	105.48	.515
22	37.23	1.883	148	60.16	1.743	273	82.91	1.127	398	105.66	.510
23	37.41	1.883	149	60.34	1.738	274	83.09	1.122	399	105.84	.505
24	37.59	1.883	150	60.53	1.733	275	83.28	1.117	400	106.03	.500
25	37.78	1.883	151	60.71	1.728	276	83.46	1.112	401	106.21	.496
26	37.96	1.883	152	60.89	1.723	277	83.64	1.107	402	106.39	.491
27	38.14	1.883	153	61.07	1.718	278	83.82	1.102	403	106.57	.486
28	38.32	1.883	154	61.25	1.713	279	84.00	1.097	404	106.75	.481
29	38.50	1.883	155	61.44	1.708	280	84.19	1.092	405	106.94	.476
30	38.69	1.883	156	61.62	1.703	281	84.37	1.087	406	107.12	.471
31	38.87	1.883	157	61.80	1.699	282	84.55	1.082	407	107.30	.466
32	39.05	1.883	158	61.98	1.694	283	84.73	1.077	408	107.48	.461
33	39.23	1.883	159	62.16	1.689	284	84.91	1.072	409	107.66	.456
34	39.41	1.883	160	62.35	1.684	285	85.10	1.067	410	107.85	.451
35	39.60	1.883	161	62.53	1.679	286	85.28	1.063	411	108.03	.446
36	39.78	1.883	162	62.71	1.674	287	85.46	1.058	412	108.21	.441
37	39.96	1.883	163	62.89	1.669	288	85.64	1.053	413	108.39	.436
38	40.14	1.883	164	63.07	1.664	289	85.82	1.048	414	108.57	.431

39	40.32	1.883	165	63.26	1.659	290	86.01	1.043	415	108.76	.426
40	40.51	1.883	166	63.44	1.654	291	86.19	1.038	416	108.94	.422
41	40.69	1.883	167	63.62	1.649	292	86.37	1.033	417	109.12	.417
42	40.87	1.883	168	63.80	1.644	293	86.55	1.028	418	109.30	.412
43	41.05	1.883	169	63.98	1.639	294	86.73	1.023	419	109.48	.407
44	41.23	1.883	170	64.17	1.634	295	86.92	1.018	420	109.67	.402
45	41.42	1.883	171	64.35	1.630	296	87.10	1.013	421	109.85	.397
46	41.60	1.883	172	64.53	1.625	297	87.28	1.008	422	110.03	.392
47	41.78	1.883	173	64.71	1.620	298	87.46	1.003	423	110.21	.387
48	41.96	1.883	174	64.89	1.615	299	87.64	.998	424	110.39	.382
49	42.14	1.883	175	65.08	1.610	300	87.83	.993	425	110.58	.377
50	42.33	1.883	176	65.26	1.605	301	88.01	.989	426	110.76	.372
51	42.51	1.883	177	65.44	1.600	302	88.19	.984	427	110.94	.367
52	42.69	1.883	178	65.62	1.595	303	88.37	.979	428	111.12	.362
53	42.87	1.883	179	65.80	1.590	304	88.55	.974	429	111.30	.357
54	43.05	1.883	180	65.99	1.585	305	88.74	.969	430	111.49	.353
55	43.24	1.883	181	66.17	1.580	306	88.92	.964	431	111.67	.348
56	43.42	1.883	182	66.35	1.575	307	89.10	.959	432	111.85	.343
57	43.60	1.883	183	66.53	1.570	308	89.28	.954	433	112.03	.338
58	43.78	1.883	184	66.71	1.565	309	89.46	.949	434	112.21	.333
59	43.96	1.883	185	66.90	1.560	310	89.65	.944	435	112.40	.328
60	44.15	1.883	186	67.08	1.556	311	89.83	.939	436	112.58	.323
61	44.33	1.883	187	67.26	1.551	312	90.01	.934	437	112.76	.318
62	44.51	1.883	188	67.44	1.546	313	90.19	.929	438	112.94	.313
63	44.69	1.883	189	67.62	1.541	314	90.37	.924	439	113.12	.308
64	44.87	1.883	190	67.81	1.536	315	90.56	.920	440	113.31	.303
65	45.06	1.883	191	67.99	1.531	316	90.74	.915	441	113.49	.298
66	45.24	1.883	192	68.17	1.526	317	90.92	.910	442	113.67	.293
67	45.42	1.883	193	68.35	1.521	318	91.10	.905	443	113.85	.288
68	45.60	1.883	194	68.53	1.516	319	91.28	.900	444	114.03	.284
69	45.78	1.883	195	68.72	1.511	320	91.47	.895	445	114.22	.279
70	45.97	1.883	196	68.90	1.506	321	91.65	.890	446	114.40	.274
71	46.15	1.883	197	69.08	1.501	322	91.83	.885	447	114.58	.269
72	46.33	1.883	198	69.26	1.496	323	92.01	.880	448	114.76	.264
73	46.51	1.883	199	69.44	1.491	324	92.19	.875	449	114.94	.259
74	46.69	1.883	200	69.63	1.487	325	92.38	.870	450	115.13	.254
75	46.88	1.883	201	69.81	1.482	326	92.56	.865	451	115.31	.249
76	47.06	1.883	202	69.99	1.477	327	92.74	.860	452	115.49	.244
77	47.24	1.883	203	70.17	1.472	328	92.92	.855	453	115.67	.239
78	47.42	1.883	204	70.35	1.467	329	93.10	.851	454	115.85	.234
79	47.60	1.883	205	70.54	1.462	330	93.29	.846	455	116.04	.229
80	47.79	1.883	206	70.72	1.457	331	93.47	.841	456	116.22	.224
81	47.97	1.883	207	70.90	1.452	332	93.65	.836	457	116.40	.219
82	48.15	1.883	208	71.08	1.447	333	93.83	.831	458	116.58	.214
83	48.33	1.883	209	71.26	1.442	334	94.01	.826	459	116.76	.210
84	48.51	1.883	210	71.45	1.437	335	94.20	.821	460	116.95	.205
85	48.70	1.883	211	71.63	1.432	336	94.38	.816	461	117.13	.200
86	48.88	1.883	212	71.81	1.427	337	94.56	.811	462	117.31	.195
87	49.06	1.883	213	71.99	1.422	338	94.74	.806	463	117.49	.190
88	49.24	1.883	214	72.17	1.417	339	94.92	.801	464	117.67	.185
89	49.42	1.883	215	72.36	1.413	340	95.11	.796	465	117.86	.180
90	49.61	1.883	216	72.54	1.408	341	95.29	.791	466	118.04	.175

91	49.79	1.883	217	72.72	1.403	342	95.47	.786	467	118.22	.170
92	49.97	1.883	218	72.90	1.398	343	95.65	.781	468	118.40	.165
93	50.15	1.883	219	73.08	1.393	344	95.83	.777	469	118.58	.160
94	50.33	1.883	220	73.27	1.388	345	96.02	.772	470	118.77	.155
95	50.52	1.883	221	73.45	1.383	346	96.20	.767	471	118.95	.150
96	50.70	1.883	222	73.63	1.378	347	96.38	.762	472	119.13	.145
97	50.88	1.883	223	73.81	1.373	348	96.56	.757	473	119.31	.141
98	51.06	1.883	224	73.99	1.368	349	96.74	.752	474	119.49	.136
99	51.24	1.883	225	74.18	1.363	350	96.93	.747	475	119.68	.131
100	51.43	1.883	226	74.36	1.358	351	97.11	.742	476	119.86	.126
101	51.61	1.883	227	74.54	1.353	352	97.29	.737	477	120.04	.121
102	51.79	1.883	228	74.72	1.348	353	97.47	.732	478	120.22	.116
103	51.97	1.883	229	74.90	1.344	354	97.65	.727	479	120.40	.111
104	52.15	1.883	230	75.09	1.339	355	97.84	.722	480	120.59	.106
105	52.34	1.883	231	75.27	1.334	356	98.02	.717	481	120.77	.101
106	52.52	1.883	232	75.45	1.329	357	98.20	.712	482	120.95	.096
107	52.70	1.883	233	75.63	1.324	358	98.38	.708	483	121.13	.091
108	52.88	1.883	234	75.81	1.319	359	98.56	.703	484	121.31	.086
109	53.06	1.883	235	76.00	1.314	360	98.75	.698	485	121.50	.081
110	53.25	1.883	236	76.18	1.309	361	98.93	.693	486	121.68	.076
111	53.43	1.883	237	76.36	1.304	362	99.11	.688	487	121.86	.072
112	53.61	1.883	238	76.54	1.299	363	99.29	.683	488	122.04	.067
113	53.79	1.883	239	76.72	1.294	364	99.47	.678	489	122.22	.062
114	53.97	1.883	240	76.91	1.289	365	99.66	.673	490	122.41	.057
115	54.16	1.883	241	77.09	1.284	366	99.84	.668	491	122.59	.052
116	54.34	1.883	242	77.27	1.279	367	100.02	.663	492	122.77	.047
117	54.52	1.883	243	77.45	1.275	368	100.20	.658	493	122.95	.042
118	54.70	1.883	244	77.63	1.270	369	100.38	.653	494	123.13	.037
119	54.88	1.883	245	77.82	1.265	370	100.57	.648	495	123.32	.032
120	55.07	1.881	246	78.00	1.260	371	100.75	.643	496	123.50	.027
121	55.25	1.876	247	78.18	1.255	372	100.93	.638	497	123.68	.022
122	55.43	1.871	248	78.36	1.250	373	101.11	.634	498	123.86	.017
123	55.61	1.866	249	78.54	1.245	374	101.29	.629	499	124.04	.012
124	55.79	1.861	250	78.73	1.240	375	101.48	.624	500	124.23	.007
125	55.98	1.856	251	78.91	1.235	376	101.66	.619	501	124.41	.002
126	56.16	1.851									

0********** DISPERSION COEFFICIENTS (SQFT/SEC) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.50	32.300	126	56.25	64.500	251	79.00	32.300	376	101.75	32.300
2	33.68	32.300	127	56.43	64.500	252	79.18	32.300	377	101.93	32.300
3	33.86	32.300	128	56.61	64.500	253	79.36	32.300	378	102.11	32.300
4	34.05	32.300	129	56.80	64.500	254	79.55	32.300	379	102.30	32.300
5	34.23	32.300	130	56.98	64.500	255	79.73	32.300	380	102.48	32.300
6	34.41	32.300	131	57.16	64.500	256	79.91	32.300	381	102.66	32.300
7	34.59	32.300	132	57.34	64.500	257	80.09	32.300	382	102.84	32.300
8	34.77	32.300	133	57.52	64.500	258	80.27	32.300	383	103.02	32.300
9	34.96	32.300	134	57.71	64.500	259	80.46	32.300	384	103.21	32.300
10	35.14	32.300	135	57.89	64.500	260	80.64	32.300	385	103.39	32.300
11	35.32	32.300	136	58.07	64.500	261	80.82	32.300	386	103.57	32.300
12	35.50	32.300	137	58.25	64.500	262	81.00	32.300	387	103.75	32.300
13	35.68	32.300	138	58.43	64.500	263	81.18	32.300	388	103.93	32.300

14	35.87	32.300	139	58.62	64.500	264	81.37	32.300	389	104.12	32.300
15	36.05	32.300	140	58.80	64.500	265	81.55	32.300	390	104.30	32.300
16	36.23	32.300	141	58.98	64.500	266	81.73	32.300	391	104.48	32.300
17	36.41	32.300	142	59.16	64.500	267	81.91	32.300	392	104.66	32.300
18	36.59	32.300	143	59.34	64.500	268	82.09	32.300	393	104.84	32.300
19	36.78	32.300	144	59.53	64.500	269	82.28	32.300	394	105.03	32.300
20	36.96	32.300	145	59.71	64.500	270	82.46	32.300	395	105.21	32.300
21	37.14	32.300	146	59.89	64.500	271	82.64	32.300	396	105.39	32.300
22	37.32	32.300	147	60.07	64.500	272	82.82	32.300	397	105.57	32.300
23	37.50	32.300	148	60.25	64.500	273	83.00	32.300	398	105.75	32.300
24	37.69	32.300	149	60.44	64.500	274	83.19	32.300	399	105.94	32.300
25	37.87	32.300	150	60.62	64.500	275	83.37	32.300	400	106.12	32.300
26	38.05	32.300	151	60.80	64.500	276	83.55	32.300	401	106.30	32.300
27	38.23	32.300	152	60.98	64.500	277	83.73	32.300	402	106.48	32.300
28	38.41	32.300	153	61.16	64.500	278	83.91	32.300	403	106.66	32.300
29	38.60	32.300	154	61.35	64.500	279	84.10	32.300	404	106.85	32.300
30	38.78	32.300	155	61.53	64.500	280	84.28	32.300	405	107.03	32.300
31	38.96	32.300	156	61.71	64.500	281	84.46	32.300	406	107.21	32.300
32	39.14	32.300	157	61.89	64.500	282	84.64	32.300	407	107.39	32.300
33	39.32	32.300	158	62.07	64.500	283	84.82	32.300	408	107.57	32.300
34	39.51	32.300	159	62.26	64.500	284	85.01	32.300	409	107.76	32.300
35	39.69	32.300	160	62.44	64.500	285	85.19	32.300	410	107.94	32.300
36	39.87	32.300	161	62.62	64.500	286	85.37	32.300	411	108.12	32.300
37	40.05	32.300	162	62.80	64.500	287	85.55	32.300	412	108.30	32.300
38	40.23	32.300	163	62.98	64.500	288	85.73	32.300	413	108.48	32.300
39	40.42	32.300	164	63.17	64.500	289	85.92	32.300	414	108.67	32.300
40	40.60	32.300	165	63.35	64.500	290	86.10	32.300	415	108.85	32.300
41	40.78	32.300	166	63.53	64.500	291	86.28	32.300	416	109.03	32.300
42	40.96	32.300	167	63.71	64.500	292	86.46	32.300	417	109.21	32.300
43	41.14	32.300	168	63.89	64.500	293	86.64	32.300	418	109.39	32.300
44	41.33	32.300	169	64.08	64.500	294	86.83	32.300	419	109.58	32.300
45	41.51	32.300	170	64.26	64.500	295	87.01	32.300	420	109.76	32.300
46	41.69	32.300	171	64.44	64.500	296	87.19	32.300	421	109.94	32.300
47	41.87	32.300	172	64.62	64.500	297	87.37	32.300	422	110.12	32.300
48	42.05	32.300	173	64.80	64.500	298	87.55	32.300	423	110.30	32.300
49	42.24	32.300	174	64.99	64.500	299	87.74	32.300	424	110.49	32.300
50	42.42	32.300	175	65.17	64.500	300	87.92	32.300	425	110.67	32.300
51	42.60	32.300	176	65.35	64.500	301	88.10	32.300	426	110.85	32.300
52	42.78	32.300	177	65.53	64.500	302	88.28	32.300	427	111.03	32.300
53	42.96	32.300	178	65.71	64.500	303	88.46	32.300	428	111.21	32.300
54	43.15	32.300	179	65.90	64.500	304	88.65	32.300	429	111.40	32.300
55	43.33	32.300	180	66.08	64.500	305	88.83	32.300	430	111.58	32.300
56	43.51	32.300	181	66.26	64.500	306	89.01	32.300	431	111.76	32.300
57	43.69	32.300	182	66.44	64.500	307	89.19	32.300	432	111.94	32.300
58	43.87	32.300	183	66.62	64.500	308	89.37	32.300	433	112.12	32.300
59	44.06	32.300	184	66.81	64.500	309	89.56	32.300	434	112.31	32.300
60	44.24	32.300	185	66.99	64.500	310	89.74	32.300	435	112.49	32.300
61	44.42	32.300	186	67.17	64.500	311	89.92	32.300	436	112.67	32.300
62	44.60	35.583	187	67.35	64.500	312	90.10	32.300	437	112.85	32.300
63	44.78	41.443	188	67.53	64.500	313	90.28	32.300	438	113.03	32.300
64	44.97	47.304	189	67.72	64.500	314	90.47	32.300	439	113.22	32.300
65	45.15	53.164	190	67.90	64.500	315	90.65	32.300	440	113.40	32.300

66	45.33	59.024	191	68.08	64.500	316	90.83	32.300	441	113.58	32.300
67	45.51	64.500	192	68.26	64.500	317	91.01	32.300	442	113.76	32.300
68	45.69	64.500	193	68.44	64.500	318	91.19	32.300	443	113.94	32.300
69	45.88	64.500	194	68.63	64.500	319	91.38	32.300	444	114.13	32.300
70	46.06	64.500	195	68.81	64.500	320	91.56	32.300	445	114.31	32.300
71	46.24	64.500	196	68.99	64.500	321	91.74	32.300	446	114.49	32.300
72	46.42	64.500	197	69.17	64.500	322	91.92	32.300	447	114.67	32.300
73	46.60	64.500	198	69.35	64.500	323	92.10	32.300	448	114.85	32.300
74	46.79	64.500	199	69.54	64.500	324	92.29	32.300	449	115.04	32.300
75	46.97	64.500	200	69.72	64.500	325	92.47	32.300	450	115.22	32.300
76	47.15	64.500	201	69.90	64.500	326	92.65	32.300	451	115.40	32.300
77	47.33	64.500	202	70.08	64.500	327	92.83	32.300	452	115.58	32.300
78	47.51	64.500	203	70.26	64.500	328	93.01	32.300	453	115.76	32.300
79	47.70	64.500	204	70.45	64.500	329	93.20	32.300	454	115.95	32.300
80	47.88	64.500	205	70.63	60.384	330	93.38	32.300	455	116.13	32.300
81	48.06	64.500	206	70.81	54.523	331	93.56	32.300	456	116.31	32.300
82	48.24	64.500	207	70.99	48.663	332	93.74	32.300	457	116.49	32.300
83	48.42	64.500	208	71.17	42.802	333	93.92	32.300	458	116.67	32.300
84	48.61	64.500	209	71.36	36.942	334	94.11	32.300	459	116.86	32.300
85	48.79	64.500	210	71.54	32.300	335	94.29	32.300	460	117.04	32.300
86	48.97	64.500	211	71.72	32.300	336	94.47	32.300	461	117.22	32.300
87	49.15	64.500	212	71.90	32.300	337	94.65	32.300	462	117.40	32.300
88	49.33	64.500	213	72.08	32.300	338	94.83	32.300	463	117.58	32.300
89	49.52	64.500	214	72.27	32.300	339	95.02	32.300	464	117.77	32.300
90	49.70	64.500	215	72.45	32.300	340	95.20	32.300	465	117.95	32.300
91	49.88	64.500	216	72.63	32.300	341	95.38	32.300	466	118.13	32.300
92	50.06	64.500	217	72.81	32.300	342	95.56	32.300	467	118.31	32.300
93	50.24	64.500	218	72.99	32.300	343	95.74	32.300	468	118.49	32.300
94	50.43	64.500	219	73.18	32.300	344	95.93	32.300	469	118.68	32.300
95	50.61	64.500	220	73.36	32.300	345	96.11	32.300	470	118.86	32.300
96	50.79	64.500	221	73.54	32.300	346	96.29	32.300	471	119.04	32.300
97	50.97	64.500	222	73.72	32.300	347	96.47	32.300	472	119.22	32.300
98	51.15	64.500	223	73.90	32.300	348	96.65	32.300	473	119.40	32.300
99	51.34	64.500	224	74.09	32.300	349	96.84	32.300	474	119.59	32.300
100	51.52	64.500	225	74.27	32.300	350	97.02	32.300	475	119.77	32.300
101	51.70	64.500	226	74.45	32.300	351	97.20	32.300	476	119.95	32.300
102	51.88	64.500	227	74.63	32.300	352	97.38	32.300	477	120.13	32.300
103	52.06	64.500	228	74.81	32.300	353	97.56	32.300	478	120.31	32.300
104	52.25	64.500	229	75.00	32.300	354	97.75	32.300	479	120.50	32.300
105	52.43	64.500	230	75.18	32.300	355	97.93	32.300	480	120.68	32.300
106	52.61	64.500	231	75.36	32.300	356	98.11	32.300	481	120.86	32.300
107	52.79	64.500	232	75.54	32.300	357	98.29	32.300	482	121.04	32.300
108	52.97	64.500	233	75.72	32.300	358	98.47	32.300	483	121.22	32.300
109	53.16	64.500	234	75.91	32.300	359	98.66	32.300	484	121.41	32.300
110	53.34	64.500	235	76.09	32.300	360	98.84	32.300	485	121.59	32.300
111	53.52	64.500	236	76.27	32.300	361	99.02	32.300	486	121.77	32.300
112	53.70	64.500	237	76.45	32.300	362	99.20	32.300	487	121.95	32.300
113	53.88	64.500	238	76.63	32.300	363	99.38	32.300	488	122.13	32.300
114	54.07	64.500	239	76.82	32.300	364	99.57	32.300	489	122.32	32.300
115	54.25	64.500	240	77.00	32.300	365	99.75	32.300	490	122.50	32.300
116	54.43	64.500	241	77.18	32.300	366	99.93	32.300	491	122.68	32.300
117	54.61	64.500	242	77.36	32.300	367	100.11	32.300	492	122.86	32.300

118	54.79	64.500	243	77.54	32.300	368	100.29	32.300	493	123.04	32.300
119	54.98	64.500	244	77.73	32.300	369	100.48	32.300	494	123.23	32.300
120	55.16	64.500	245	77.91	32.300	370	100.66	32.300	495	123.41	32.300
121	55.34	64.500	246	78.09	32.300	371	100.84	32.300	496	123.59	32.300
122	55.52	64.500	247	78.27	32.300	372	101.02	32.300	497	123.77	32.300
123	55.70	64.500	248	78.45	32.300	373	101.20	32.300	498	123.95	32.300
124	55.89	64.500	249	78.64	32.300	374	101.39	32.300	499	124.14	32.300
125	56.07	64.500	250	78.82	32.300	375	101.57	32.300	500	124.32	32.300

0********** CBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********
ALL VALUES = .189
0********** CBOD SEDIMENTATION RATES - (1/DAY)
****
ALL VALUES = 0.000E+00
0********** NBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********
ALL VALUES = .069
0********** NBOD SEDIMENTATION RATES -
(1/DAY),5X**********
ALL VALUES = 0.000E+00
0********** NONPOINT SOURCE FLOW (CFS/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** NBOD NONPOINT SOURCE CONTRIBUTION (LBS NBOD/DAY/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** CBOD NONPOINT SOURCE CONTRIBUTION (LBS CBOD/DAY/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** O2 NONPOINT SOURCE CONTRIBUTIONS (LBS O2/DAY/MILE OF STREAM) **********
ALL VALUES = 0.000E+00
0********** AVERAGE DAILY PHOTOSYNTHESIS-RESPIRATION RATE (GM O2/SQM/DAY) CORRECTED TO STREAM TEMPERATURES *****
ALL VALUES = 0.000E+00
1**********
****
********** DEPTH OR VELOCITY DEPENDENT VARIABLES **********
****
****
0********** CROSSECTIONAL AREAS OF JUNCT*NS (SQFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1130.000	127	56.34	1064.087	252	79.09	887.211	377	101.84	576.593
2	33.59	1125.450	128	56.52	1071.261	253	79.27	883.929	378	102.02	573.799
3	33.77	1116.350	129	56.70	1079.954	254	79.45	880.653	379	102.20	571.011
4	33.95	1107.250	130	56.89	1088.678	255	79.64	877.382	380	102.39	568.229
5	34.14	1098.150	131	57.07	1097.433	256	79.82	874.116	381	102.57	566.198
6	34.32	1089.050	132	57.25	1106.221	257	80.00	870.856	382	102.75	565.397
7	34.50	1079.970	133	57.43	1115.040	258	80.18	867.601	383	102.93	564.596
8	34.68	1074.510	134	57.61	1122.677	259	80.36	864.351	384	103.11	563.795
9	34.86	1069.050	135	57.80	1129.628	260	80.55	860.571	385	103.30	562.995
10	35.05	1063.590	136	57.98	1136.600	261	80.73	855.255	386	103.48	562.194
11	35.23	1058.130	137	58.16	1143.593	262	80.91	849.948	387	103.66	563.210
12	35.41	1052.670	138	58.34	1150.608	263	81.09	844.650	388	103.84	564.464
13	35.59	1050.000	139	58.52	1157.643	264	81.27	839.361	389	104.02	565.714
14	35.77	1050.000	140	58.71	1164.700	265	81.46	834.082	390	104.21	566.960
15	35.96	1050.000	141	58.89	1171.778	266	81.64	830.390	391	104.39	568.202
16	36.14	1050.000	142	59.07	1178.878	267	81.82	827.195	392	104.57	569.480

17	36.32	1050.000	143	59.25	1185.998	268	82.00	824.006	393	104.75	570.817
18	36.50	1050.090	144	59.43	1193.140	269	82.18	820.822	394	104.93	572.150
19	36.68	1055.550	145	59.62	1200.303	270	82.37	817.643	395	105.12	573.480
20	36.87	1061.010	146	59.80	1207.487	271	82.55	814.470	396	105.30	574.806
21	37.05	1066.470	147	59.98	1214.692	272	82.73	811.302	397	105.48	576.130
22	37.23	1071.930	148	60.16	1221.918	273	82.91	808.139	398	105.66	579.466
23	37.41	1077.390	149	60.34	1229.166	274	83.09	804.981	399	105.84	583.041
24	37.59	1086.649	150	60.53	1236.732	275	83.28	801.829	400	106.03	586.614
25	37.78	1099.389	151	60.71	1246.036	276	83.46	798.682	401	106.21	590.186
26	37.96	1112.129	152	60.89	1255.372	277	83.64	793.865	402	106.39	593.756
27	38.14	1124.869	153	61.07	1264.740	278	83.82	788.568	403	106.57	597.235
28	38.32	1137.609	154	61.25	1274.140	279	84.00	783.281	404	106.75	600.585
29	38.50	1150.149	155	61.44	1283.572	280	84.19	778.005	405	106.94	603.944
30	38.69	1155.609	156	61.62	1283.980	281	84.37	772.740	406	107.12	607.313
31	38.87	1161.069	157	61.80	1279.546	282	84.55	768.085	407	107.30	610.690
32	39.05	1166.529	158	61.98	1275.064	283	84.73	764.990	408	107.48	614.077
33	39.23	1171.989	159	62.16	1270.535	284	84.91	761.900	409	107.66	617.473
34	39.41	1177.449	160	62.35	1265.958	285	85.10	758.815	410	107.85	620.879
35	39.60	1180.000	161	62.53	1261.397	286	85.28	755.736	411	108.03	624.294
36	39.78	1180.000	162	62.71	1257.125	287	85.46	752.662	412	108.21	627.718
37	39.96	1180.000	163	62.89	1252.800	288	85.64	749.684	413	108.39	631.151
38	40.14	1180.000	164	63.07	1248.423	289	85.82	746.736	414	108.57	634.594
39	40.32	1180.000	165	63.26	1243.992	290	86.01	743.793	415	108.76	638.046
40	40.51	1179.791	166	63.44	1239.508	291	86.19	740.854	416	108.94	641.507
41	40.69	1174.331	167	63.62	1233.441	292	86.37	737.920	417	109.12	644.977
42	40.87	1168.871	168	63.80	1226.539	293	86.55	734.925	418	109.30	648.457
43	41.05	1163.411	169	63.98	1219.574	294	86.73	731.772	419	109.48	651.946
44	41.23	1157.951	170	64.17	1212.547	295	86.92	728.625	420	109.67	651.929
45	41.42	1152.491	171	64.35	1205.456	296	87.10	725.484	421	109.85	651.581
46	41.60	1157.917	172	64.53	1198.665	297	87.28	722.349	422	110.03	651.224
47	41.78	1172.477	173	64.71	1193.598	298	87.46	719.219	423	110.21	650.858
48	41.96	1187.037	174	64.89	1188.479	299	87.64	716.186	424	110.39	650.482
49	42.14	1201.597	175	65.08	1183.311	300	87.83	713.181	425	110.58	648.460
50	42.33	1216.157	176	65.26	1178.092	301	88.01	710.181	426	110.76	644.169
51	42.51	1229.373	177	65.44	1172.823	302	88.19	707.186	427	110.94	639.849
52	42.69	1216.633	178	65.62	1166.032	303	88.37	704.197	428	111.12	635.502
53	42.87	1203.893	179	65.80	1158.473	304	88.55	701.179	429	111.30	631.127
54	43.05	1191.153	180	65.99	1150.850	305	88.74	698.090	430	111.49	626.724
55	43.24	1178.413	181	66.17	1143.165	306	88.92	695.007	431	111.67	622.293
56	43.42	1165.673	182	66.35	1135.416	307	89.10	691.930	432	111.85	617.834
57	43.60	1153.943	183	66.53	1128.004	308	89.28	688.858	433	112.03	613.348
58	43.78	1143.023	184	66.71	1122.348	309	89.46	685.793	434	112.21	608.834
59	43.96	1132.103	185	66.90	1116.641	310	89.65	682.733	435	112.40	604.291
60	44.15	1121.183	186	67.08	1110.884	311	89.83	679.680	436	112.58	598.860
61	44.33	1110.263	187	67.26	1105.077	312	90.01	676.633	437	112.76	592.263
62	44.51	1099.343	188	67.44	1099.219	313	90.19	673.591	438	112.94	585.628
63	44.69	1088.423	189	67.62	1091.769	314	90.37	670.555	439	113.12	578.956
64	44.87	1077.503	190	67.81	1083.552	315	90.56	668.169	440	113.31	572.248
65	45.06	1066.583	191	67.99	1075.272	316	90.74	667.202	441	113.49	565.502
66	45.24	1055.663	192	68.17	1066.928	317	90.92	666.236	442	113.67	568.193
67	45.42	1044.743	193	68.35	1058.522	318	91.10	665.269	443	113.85	571.523
68	45.60	1034.853	194	68.53	1051.100	319	91.28	664.303	444	114.03	574.861

69	45.78	1025.753	195	68.72	1048.062	320	91.47	663.337	445	114.22	578.209
70	45.97	1016.653	196	68.90	1045.011	321	91.65	660.788	446	114.40	581.566
71	46.15	1007.553	197	69.08	1041.947	322	91.83	657.890	447	114.58	585.839
72	46.33	998.453	198	69.26	1038.870	323	92.01	654.998	448	114.76	591.265
73	46.51	991.553	199	69.44	1035.779	324	92.19	652.110	449	114.94	596.710
74	46.69	1013.393	200	69.63	1034.840	325	92.38	649.229	450	115.13	602.174
75	46.88	1035.233	201	69.81	1034.840	326	92.56	646.973	451	115.31	607.656
76	47.06	1057.073	202	69.99	1034.840	327	92.74	646.023	452	115.49	613.157
77	47.24	1078.913	203	70.17	1034.840	328	92.92	645.073	453	115.67	620.641
78	47.42	1100.753	204	70.35	1034.840	329	93.10	644.123	454	115.85	628.260
79	47.60	1123.642	205	70.54	1032.549	330	93.29	643.173	455	116.04	635.907
80	47.79	1147.302	206	70.72	1021.143	331	93.47	642.223	456	116.22	643.581
81	47.97	1170.962	207	70.90	1009.588	332	93.65	641.361	457	116.40	651.283
82	48.15	1194.622	208	71.08	997.885	333	93.83	640.516	458	116.58	659.013
83	48.33	1218.281	209	71.26	986.033	334	94.01	639.672	459	116.76	666.771
84	48.51	1239.552	210	71.45	974.033	335	94.20	638.827	460	116.95	674.557
85	48.70	1234.092	211	71.63	976.585	336	94.38	637.983	461	117.13	682.371
86	48.88	1228.632	212	71.81	985.167	337	94.56	636.436	462	117.31	690.212
87	49.06	1223.172	213	71.99	993.733	338	94.74	633.491	463	117.49	698.081
88	49.24	1217.712	214	72.17	1002.283	339	94.92	630.551	464	117.67	705.978
89	49.42	1212.252	215	72.36	1010.818	340	95.11	627.618	465	117.86	713.903
90	49.61	1182.198	216	72.54	1020.244	341	95.29	624.691	466	118.04	721.856
91	49.79	1134.878	217	72.72	1032.990	342	95.47	621.769	467	118.22	729.836
92	49.97	1087.559	218	72.90	1045.699	343	95.65	620.604	468	118.40	737.844
93	50.15	1040.239	219	73.08	1058.373	344	95.83	619.774	469	118.58	745.934
94	50.33	992.919	220	73.27	1071.011	345	96.02	618.944	470	118.77	754.114
95	50.52	949.831	221	73.45	1083.613	346	96.20	618.114	471	118.95	762.325
96	50.70	948.011	222	73.63	1091.164	347	96.38	617.284	472	119.13	770.565
97	50.88	946.191	223	73.81	1096.734	348	96.56	616.418	473	119.31	778.835
98	51.06	944.371	224	73.99	1102.285	349	96.74	615.484	474	119.49	787.135
99	51.24	942.551	225	74.18	1107.818	350	96.93	614.551	475	119.68	795.347
100	51.43	940.731	226	74.36	1113.334	351	97.11	613.617	476	119.86	803.583
101	51.61	956.338	227	74.54	1114.613	352	97.29	612.684	477	120.04	811.847
102	51.79	983.638	228	74.72	1101.321	353	97.47	611.750	478	120.22	820.139
103	51.97	1010.938	229	74.90	1088.065	354	97.65	610.904	479	120.40	828.459
104	52.15	1038.238	230	75.09	1074.846	355	97.84	610.075	480	120.59	835.760
105	52.34	1065.538	231	75.27	1061.663	356	98.02	609.245	481	120.77	841.930
106	52.52	1087.919	232	75.45	1048.516	357	98.20	608.415	482	120.95	848.118
107	52.70	1067.899	233	75.63	1035.406	358	98.38	607.585	483	121.13	854.325
108	52.88	1047.879	234	75.81	1022.332	359	98.56	606.029	484	121.31	860.550
109	53.06	1027.859	235	76.00	1009.295	360	98.75	603.162	485	121.50	866.794
110	53.25	1007.839	236	76.18	996.294	361	98.93	600.301	486	121.68	875.242
111	53.43	987.820	237	76.36	983.330	362	99.11	597.446	487	121.86	883.759
112	53.61	981.762	238	76.54	971.504	363	99.29	594.597	488	122.04	892.303
113	53.79	984.657	239	76.72	963.285	364	99.47	591.754	489	122.22	900.876
114	53.97	987.555	240	76.91	955.085	365	99.66	590.658	490	122.41	909.476
115	54.16	990.458	241	77.09	946.906	366	99.84	589.843	491	122.59	918.105
116	54.34	993.364	242	77.27	938.747	367	100.02	589.027	492	122.77	926.761
117	54.52	996.692	243	77.45	930.607	368	100.20	588.212	493	122.95	935.444
118	54.70	1003.250	244	77.63	924.356	369	100.38	587.396	494	123.13	944.156
119	54.88	1009.829	245	77.82	918.771	370	100.57	586.544	495	123.32	952.896
120	55.07	1016.429	246	78.00	913.196	371	100.75	585.627	496	123.50	961.663

121	55.25	1023.050	247	78.18	907.633	372	100.93	584.709	497	123.68	970.458
122	55.43	1029.693	248	78.36	902.079	373	101.11	583.792	498	123.86	979.281
123	55.61	1036.471	249	78.54	897.087	374	101.29	582.875	499	124.04	988.132
124	55.79	1043.341	250	78.73	893.790	375	101.48	581.957	500	124.23	997.011
125	55.98	1050.234	251	78.91	890.498	376	101.66	579.393	501	124.41	1005.917
126	56.16	1057.149									

0********** JUNCT*N DEPTHS (FT) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	11.300	127	56.34	10.268	252	79.09	7.241	377	101.84	5.566
2	33.59	11.255	128	56.52	10.307	253	79.27	7.223	378	102.02	5.548
3	33.77	11.164	129	56.70	10.361	254	79.45	7.205	379	102.20	5.530
4	33.95	11.073	130	56.89	10.416	255	79.64	7.186	380	102.39	5.511
5	34.14	10.982	131	57.07	10.471	256	79.82	7.168	381	102.57	5.500
6	34.32	10.891	132	57.25	10.525	257	80.00	7.150	382	102.75	5.500
7	34.50	10.800	133	57.43	10.580	258	80.18	7.132	383	102.93	5.500
8	34.68	10.745	134	57.61	10.623	259	80.36	7.114	384	103.11	5.500
9	34.86	10.691	135	57.80	10.659	260	80.55	7.091	385	103.30	5.500
10	35.05	10.636	136	57.98	10.696	261	80.73	7.054	386	103.48	5.500
11	35.23	10.581	137	58.16	10.732	262	80.91	7.018	387	103.66	5.516
12	35.41	10.527	138	58.34	10.769	263	81.09	6.981	388	103.84	5.534
13	35.59	10.500	139	58.52	10.805	264	81.27	6.945	389	104.02	5.552
14	35.77	10.500	140	58.71	10.841	265	81.46	6.909	390	104.21	5.571
15	35.96	10.500	141	58.89	10.878	266	81.64	6.886	391	104.39	5.589
16	36.14	10.500	142	59.07	10.914	267	81.82	6.868	392	104.57	5.607
17	36.32	10.500	143	59.25	10.951	268	82.00	6.850	393	104.75	5.625
18	36.50	10.501	144	59.43	10.987	269	82.18	6.832	394	104.93	5.643
19	36.68	10.555	145	59.62	11.023	270	82.37	6.813	395	105.12	5.662
20	36.87	10.610	146	59.80	11.060	271	82.55	6.795	396	105.30	5.680
21	37.05	10.665	147	59.98	11.096	272	82.73	6.777	397	105.48	5.698
22	37.23	10.719	148	60.16	11.133	273	82.91	6.759	398	105.66	5.733
23	37.41	10.774	149	60.34	11.169	274	83.09	6.741	399	105.84	5.769
24	37.59	10.866	150	60.53	11.208	275	83.28	6.722	400	106.03	5.805
25	37.78	10.994	151	60.71	11.263	276	83.46	6.704	401	106.21	5.842
26	37.96	11.121	152	60.89	11.317	277	83.64	6.672	402	106.39	5.878
27	38.14	11.249	153	61.07	11.372	278	83.82	6.635	403	106.57	5.907
28	38.32	11.376	154	61.25	11.426	279	84.00	6.599	404	106.75	5.925
29	38.50	11.501	155	61.44	11.481	280	84.19	6.563	405	106.94	5.944
30	38.69	11.556	156	61.62	11.452	281	84.37	6.526	406	107.12	5.962
31	38.87	11.611	157	61.80	11.380	282	84.55	6.495	407	107.30	5.980
32	39.05	11.665	158	61.98	11.307	283	84.73	6.477	408	107.48	5.998
33	39.23	11.720	159	62.16	11.234	284	84.91	6.459	409	107.66	6.016
34	39.41	11.774	160	62.35	11.161	285	85.10	6.440	410	107.85	6.035
35	39.60	11.800	161	62.53	11.088	286	85.28	6.422	411	108.03	6.053
36	39.78	11.800	162	62.71	11.016	287	85.46	6.404	412	108.21	6.071
37	39.96	11.800	163	62.89	10.943	288	85.64	6.386	413	108.39	6.089
38	40.14	11.800	164	63.07	10.870	289	85.82	6.368	414	108.57	6.107
39	40.32	11.800	165	63.26	10.797	290	86.01	6.349	415	108.76	6.126
40	40.51	11.798	166	63.44	10.724	291	86.19	6.331	416	108.94	6.144
41	40.69	11.743	167	63.62	10.640	292	86.37	6.313	417	109.12	6.162
42	40.87	11.689	168	63.80	10.549	293	86.55	6.295	418	109.30	6.180
43	41.05	11.634	169	63.98	10.458	294	86.73	6.277	419	109.48	6.198

44	41.23	11.580	170	64.17	10.367	295	86.92	6.258	420	109.67	6.183
45	41.42	11.525	171	64.35	10.276	296	87.10	6.240	421	109.85	6.165
46	41.60	11.579	172	64.53	10.188	297	87.28	6.222	422	110.03	6.147
47	41.78	11.725	173	64.71	10.115	298	87.46	6.204	423	110.21	6.129
48	41.96	11.870	174	64.89	10.042	299	87.64	6.186	424	110.39	6.111
49	42.14	12.016	175	65.08	9.969	300	87.83	6.167	425	110.58	6.077
50	42.33	12.162	176	65.26	9.896	301	88.01	6.149	426	110.76	6.022
51	42.51	12.294	177	65.44	9.824	302	88.19	6.131	427	110.94	5.968
52	42.69	12.166	178	65.62	9.739	303	88.37	6.113	428	111.12	5.913
53	42.87	12.039	179	65.80	9.648	304	88.55	6.095	429	111.30	5.859
54	43.05	11.912	180	65.99	9.557	305	88.74	6.076	430	111.49	5.804
55	43.24	11.784	181	66.17	9.466	306	88.92	6.058	431	111.67	5.749
56	43.42	11.657	182	66.35	9.375	307	89.10	6.040	432	111.85	5.695
57	43.60	11.539	183	66.53	9.287	308	89.28	6.022	433	112.03	5.640
58	43.78	11.430	184	66.71	9.214	309	89.46	6.004	434	112.21	5.586
59	43.96	11.321	185	66.90	9.141	310	89.65	5.985	435	112.40	5.531
60	44.15	11.212	186	67.08	9.068	311	89.83	5.967	436	112.58	5.469
61	44.33	11.103	187	67.26	8.996	312	90.01	5.949	437	112.76	5.396
62	44.51	10.993	188	67.44	8.923	313	90.19	5.931	438	112.94	5.323
63	44.69	10.884	189	67.62	8.838	314	90.37	5.913	439	113.12	5.250
64	44.87	10.775	190	67.81	8.747	315	90.56	5.900	440	113.31	5.177
65	45.06	10.666	191	67.99	8.656	316	90.74	5.900	441	113.49	5.105
66	45.24	10.557	192	68.17	8.565	317	90.92	5.900	442	113.67	5.117
67	45.42	10.447	193	68.35	8.474	318	91.10	5.900	443	113.85	5.135
68	45.60	10.349	194	68.53	8.393	319	91.28	5.900	444	114.03	5.153
69	45.78	10.258	195	68.72	8.357	320	91.47	5.900	445	114.22	5.172
70	45.97	10.167	196	68.90	8.320	321	91.65	5.885	446	114.40	5.190
71	46.15	10.076	197	69.08	8.284	322	91.83	5.867	447	114.58	5.216
72	46.33	9.985	198	69.26	8.247	323	92.01	5.849	448	114.76	5.253
73	46.51	9.916	199	69.44	8.211	324	92.19	5.831	449	114.94	5.289
74	46.69	10.134	200	69.63	8.200	325	92.38	5.812	450	115.13	5.325
75	46.88	10.352	201	69.81	8.200	326	92.56	5.800	451	115.31	5.362
76	47.06	10.571	202	69.99	8.200	327	92.74	5.800	452	115.49	5.398
77	47.24	10.789	203	70.17	8.200	328	92.92	5.800	453	115.67	5.452
78	47.42	11.008	204	70.35	8.200	329	93.10	5.800	454	115.85	5.506
79	47.60	11.236	205	70.54	8.174	330	93.29	5.800	455	116.04	5.561
80	47.79	11.473	206	70.72	8.047	331	93.47	5.800	456	116.22	5.616
81	47.97	11.710	207	70.90	7.919	332	93.65	5.800	457	116.40	5.670
82	48.15	11.946	208	71.08	7.792	333	93.83	5.800	458	116.58	5.725
83	48.33	12.183	209	71.26	7.665	334	94.01	5.800	459	116.76	5.779
84	48.51	12.396	210	71.45	7.537	335	94.20	5.800	460	116.95	5.834
85	48.70	12.341	211	71.63	7.552	336	94.38	5.800	461	117.13	5.889
86	48.88	12.286	212	71.81	7.624	337	94.56	5.794	462	117.31	5.943
87	49.06	12.232	213	71.99	7.697	338	94.74	5.776	463	117.49	5.998
88	49.24	12.177	214	72.17	7.770	339	94.92	5.758	464	117.67	6.052
89	49.42	12.123	215	72.36	7.843	340	95.11	5.739	465	117.86	6.107
90	49.61	11.822	216	72.54	7.923	341	95.29	5.721	466	118.04	6.162
91	49.79	11.349	217	72.72	8.032	342	95.47	5.703	467	118.22	6.216
92	49.97	10.876	218	72.90	8.142	343	95.65	5.700	468	118.40	6.271
93	50.15	10.402	219	73.08	8.251	344	95.83	5.700	469	118.58	6.325
94	50.33	9.929	220	73.27	8.360	345	96.02	5.700	470	118.77	6.380
95	50.52	9.498	221	73.45	8.469	346	96.20	5.700	471	118.95	6.435

96	50.70	9.480	222	73.63	8.539	347	96.38	5.700	472	119.13	6.489
97	50.88	9.462	223	73.81	8.594	348	96.56	5.700	473	119.31	6.544
98	51.06	9.444	224	73.99	8.648	349	96.74	5.700	474	119.49	6.598
99	51.24	9.426	225	74.18	8.703	350	96.93	5.700	475	119.68	6.653
100	51.43	9.407	226	74.36	8.758	351	97.11	5.700	476	119.86	6.708
101	51.61	9.563	227	74.54	8.780	352	97.29	5.700	477	120.04	6.762
102	51.79	9.836	228	74.72	8.689	353	97.47	5.700	478	120.22	6.817
103	51.97	10.109	229	74.90	8.598	354	97.65	5.700	479	120.40	6.871
104	52.15	10.382	230	75.09	8.507	355	97.84	5.700	480	120.59	6.917
105	52.34	10.655	231	75.27	8.416	356	98.02	5.700	481	120.77	6.954
106	52.52	10.879	232	75.45	8.325	357	98.20	5.700	482	120.95	6.990
107	52.70	10.679	233	75.63	8.234	358	98.38	5.700	483	121.13	7.027
108	52.88	10.479	234	75.81	8.143	359	98.56	5.694	484	121.31	7.063
109	53.06	10.279	235	76.00	8.052	360	98.75	5.675	485	121.50	7.099
110	53.25	10.078	236	76.18	7.961	361	98.93	5.657	486	121.68	7.154
111	53.43	9.878	237	76.36	7.870	362	99.11	5.639	487	121.86	7.208
112	53.61	9.811	238	76.54	7.787	363	99.29	5.621	488	122.04	7.263
113	53.79	9.829	239	76.72	7.733	364	99.47	5.603	489	122.22	7.317
114	53.97	9.847	240	76.91	7.678	365	99.66	5.600	490	122.41	7.372
115	54.16	9.866	241	77.09	7.623	366	99.84	5.600	491	122.59	7.427
116	54.34	9.884	242	77.27	7.569	367	100.02	5.600	492	122.77	7.481
117	54.52	9.904	243	77.45	7.514	368	100.20	5.600	493	122.95	7.536
118	54.70	9.941	244	77.63	7.473	369	100.38	5.600	494	123.13	7.590
119	54.88	9.977	245	77.82	7.437	370	100.57	5.600	495	123.32	7.645
120	55.07	10.013	246	78.00	7.400	371	100.75	5.600	496	123.50	7.700
121	55.25	10.050	247	78.18	7.364	372	100.93	5.600	497	123.68	7.754
122	55.43	10.086	248	78.36	7.327	373	101.11	5.600	498	123.86	7.809
123	55.61	10.123	249	78.54	7.296	374	101.29	5.600	499	124.04	7.863
124	55.79	10.159	250	78.73	7.277	375	101.48	5.600	500	124.23	7.918
125	55.98	10.195	251	78.91	7.259	376	101.66	5.584	501	124.41	7.973
126	56.16	10.232									

0********** JUNCT*N VELOCITIES (FT/SEC) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.283	127	56.34	.297	252	79.09	.342	377	101.84	.774
2	33.59	.283	128	56.52	.295	253	79.27	.343	378	102.02	.777
3	33.77	.286	129	56.70	.292	254	79.45	.345	379	102.20	.781
4	33.95	.288	130	56.89	.290	255	79.64	.346	380	102.39	.785
5	34.14	.290	131	57.07	.288	256	79.82	.347	381	102.57	.788
6	34.32	.293	132	57.25	.285	257	80.00	.349	382	102.75	.789
7	34.50	.295	133	57.43	.283	258	80.18	.350	383	102.93	.790
8	34.68	.297	134	57.61	.281	259	80.36	.351	384	103.11	.791
9	34.86	.298	135	57.80	.276	260	80.55	.353	385	103.30	.792
10	35.05	.300	136	57.98	.274	261	80.73	.355	386	103.48	.794
11	35.23	.301	137	58.16	.273	262	80.91	.357	387	103.66	.792
12	35.41	.303	138	58.34	.271	263	81.09	.359	388	103.84	.790
13	35.59	.304	139	58.52	.269	264	81.27	.362	389	104.02	.789
14	35.77	.304	140	58.71	.268	265	81.46	.364	390	104.21	.787
15	35.96	.304	141	58.89	.266	266	81.64	.366	391	104.39	.785
16	36.14	.304	142	59.07	.265	267	81.82	.367	392	104.57	.783
17	36.32	.304	143	59.25	.263	268	82.00	.368	393	104.75	.782
18	36.50	.304	144	59.43	.261	269	82.18	.370	394	104.93	.780

19	36.68	.302	145	59.62	.260	270	82.37	.371	395	105.12	.778
20	36.87	.301	146	59.80	.258	271	82.55	.373	396	105.30	.776
21	37.05	.299	147	59.98	.257	272	82.73	.374	397	105.48	1.102
22	37.23	.298	148	60.16	.255	273	82.91	.376	398	105.66	1.096
23	37.41	.296	149	60.34	.254	274	83.09	.377	399	105.84	1.089
24	37.59	.294	150	60.53	.252	275	83.28	.379	400	106.03	1.083
25	37.78	.290	151	60.71	.250	276	83.46	.380	401	106.21	1.076
26	37.96	.287	152	60.89	.248	277	83.64	.382	402	106.39	1.070
27	38.14	.284	153	61.07	.247	278	83.82	.385	403	106.57	1.063
28	38.32	.280	154	61.25	.245	279	84.00	.387	404	106.75	1.057
29	38.50	.277	155	61.44	.243	280	84.19	.390	405	106.94	1.052
30	38.69	.276	156	61.62	.243	281	84.37	.393	406	107.12	1.046
31	38.87	.275	157	61.80	.244	282	84.55	.395	407	107.30	1.040
32	39.05	.273	158	61.98	.245	283	84.73	.397	408	107.48	1.034
33	39.23	.272	159	62.16	.245	284	84.91	.398	409	107.66	1.029
34	39.41	.271	160	62.35	.246	285	85.10	.400	410	107.85	1.023
35	39.60	.270	161	62.53	.247	286	85.28	.402	411	108.03	1.017
36	39.78	.270	162	62.71	.248	287	85.46	.403	412	108.21	1.012
37	39.96	.270	163	62.89	.249	288	85.64	.405	413	108.39	1.006
38	40.14	.270	164	63.07	.250	289	85.82	.406	414	108.57	1.001
39	40.32	.270	165	63.26	.251	290	86.01	.408	415	108.76	.995
40	40.51	.270	166	63.44	.252	291	86.19	.410	416	108.94	.990
41	40.69	.272	167	63.62	.253	292	86.37	.411	417	109.12	.985
42	40.87	.273	168	63.80	.254	293	86.55	.413	418	109.30	.979
43	41.05	.274	169	63.98	.256	294	86.73	.415	419	109.48	.974
44	41.23	.275	170	64.17	.257	295	86.92	.417	420	109.67	.974
45	41.42	.277	171	64.35	.259	296	87.10	.418	421	109.85	.975
46	41.60	.275	172	64.53	.260	297	87.28	.420	422	110.03	.975
47	41.78	.272	173	64.71	.261	298	87.46	.422	423	110.21	.976
48	41.96	.269	174	64.89	.262	299	87.64	.424	424	110.39	.976
49	42.14	.265	175	65.08	.263	300	87.83	.626	425	110.58	.979
50	42.33	.262	176	65.26	.265	301	88.01	.629	426	110.76	.986
51	42.51	.259	177	65.44	.266	302	88.19	.631	427	110.94	.993
52	42.69	.262	178	65.62	.267	303	88.37	.634	428	111.12	.999
53	42.87	.265	179	65.80	.269	304	88.55	.637	429	111.30	1.006
54	43.05	.268	180	65.99	.271	305	88.74	.640	430	111.49	1.013
55	43.24	.271	181	66.17	.273	306	88.92	.642	431	111.67	1.021
56	43.42	.274	182	66.35	.274	307	89.10	.645	432	111.85	1.028
57	43.60	.276	183	66.53	.276	308	89.28	.648	433	112.03	1.035
58	43.78	.279	184	66.71	.278	309	89.46	.651	434	112.21	1.043
59	43.96	.282	185	66.90	.279	310	89.65	.654	435	112.40	1.051
60	44.15	.285	186	67.08	.281	311	89.83	.657	436	112.58	1.061
61	44.33	.287	187	67.26	.282	312	90.01	.660	437	112.76	1.072
62	44.51	.290	188	67.44	.283	313	90.19	.663	438	112.94	1.084
63	44.69	.293	189	67.62	.285	314	90.37	.666	439	113.12	1.097
64	44.87	.296	190	67.81	.288	315	90.56	.668	440	113.31	1.110
65	45.06	.299	191	67.99	.290	316	90.74	.669	441	113.49	1.123
66	45.24	.302	192	68.17	.292	317	90.92	.670	442	113.67	1.118
67	45.42	.305	193	68.35	.294	318	91.10	.671	443	113.85	1.111
68	45.60	.308	194	68.53	.296	319	91.28	.672	444	114.03	1.105
69	45.78	.311	195	68.72	.297	320	91.47	.673	445	114.22	1.098
70	45.97	.314	196	68.90	.298	321	91.65	.675	446	114.40	1.092

71	46.15	.317	197	69.08	.299	322	91.83	.678	447	114.58	1.084
72	46.33	.319	198	69.26	.300	323	92.01	.681	448	114.76	1.074
73	46.51	.322	199	69.44	.301	324	92.19	.684	449	114.94	1.064
74	46.69	.315	200	69.63	.301	325	92.38	.687	450	115.13	1.055
75	46.88	.308	201	69.81	.301	326	92.56	.690	451	115.31	1.045
76	47.06	.302	202	69.99	.301	327	92.74	.691	452	115.49	1.036
77	47.24	.296	203	70.17	.301	328	92.92	.692	453	115.67	1.023
78	47.42	.290	204	70.35	.301	329	93.10	.693	454	115.85	1.011
79	47.60	.284	205	70.54	.302	330	93.29	.694	455	116.04	.999
80	47.79	.278	206	70.72	.305	331	93.47	.695	456	116.22	.987
81	47.97	.272	207	70.90	.309	332	93.65	.696	457	116.40	.975
82	48.15	.267	208	71.08	.312	333	93.83	.697	458	116.58	.964
83	48.33	.262	209	71.26	.316	334	94.01	.697	459	116.76	.952
84	48.51	.257	210	71.45	.318	335	94.20	.698	460	116.95	.941
85	48.70	.258	211	71.63	.317	336	94.38	.699	461	117.13	.931
86	48.88	.260	212	71.81	.314	337	94.56	.701	462	117.31	.920
87	49.06	.261	213	71.99	.311	338	94.74	.704	463	117.49	.910
88	49.24	.262	214	72.17	.309	339	94.92	.708	464	117.67	.900
89	49.42	.263	215	72.36	.306	340	95.11	.711	465	117.86	.889
90	49.61	.270	216	72.54	.303	341	95.29	.714	466	118.04	.880
91	49.79	.281	217	72.72	.299	342	95.47	.718	467	118.22	.870
92	49.97	.293	218	72.90	.296	343	95.65	.719	468	118.40	.861
93	50.15	.307	219	73.08	.292	344	95.83	.720	469	118.58	.851
94	50.33	.321	220	73.27	.289	345	96.02	.721	470	118.77	.842
95	50.52	.336	221	73.45	.285	346	96.20	.722	471	118.95	.833
96	50.70	.336	222	73.63	.283	347	96.38	.723	472	119.13	.824
97	50.88	.337	223	73.81	.282	348	96.56	.724	473	119.31	.815
98	51.06	.338	224	73.99	.281	349	96.74	.725	474	119.49	.807
99	51.24	.338	225	74.18	.279	350	96.93	.726	475	119.68	.798
100	51.43	.339	226	74.36	.278	351	97.11	.727	476	119.86	.790
101	51.61	.334	227	74.54	.278	352	97.29	.728	477	120.04	.782
102	51.79	.324	228	74.72	.281	353	97.47	.729	478	120.22	.774
103	51.97	.315	229	74.90	.284	354	97.65	.730	479	120.40	.766
104	52.15	.307	230	75.09	.288	355	97.84	.731	480	120.59	.760
105	52.34	.299	231	75.27	.291	356	98.02	.732	481	120.77	.754
106	52.52	.293	232	75.45	.295	357	98.20	.733	482	120.95	.749
107	52.70	.299	233	75.63	.299	358	98.38	.734	483	121.13	.743
108	52.88	.304	234	75.81	.303	359	98.56	.736	484	121.31	.738
109	53.06	.310	235	76.00	.306	360	98.75	.740	485	121.50	.733
110	53.25	.316	236	76.18	.310	361	98.93	.743	486	121.68	.725
111	53.43	.323	237	76.36	.315	362	99.11	.747	487	121.86	.718
112	53.61	.325	238	76.54	.318	363	99.29	.750	488	122.04	.712
113	53.79	.324	239	76.72	.321	364	99.47	.754	489	122.22	.705
114	53.97	.323	240	76.91	.324	365	99.66	.755	490	122.41	.698
115	54.16	.322	241	77.09	.327	366	99.84	.756	491	122.59	.692
116	54.34	.321	242	77.27	.330	367	100.02	.757	492	122.77	.685
117	54.52	.319	243	77.45	.326	368	100.20	.758	493	122.95	.679
118	54.70	.317	244	77.63	.328	369	100.38	.759	494	123.13	.673
119	54.88	.313	245	77.82	.330	370	100.57	.761	495	123.32	.666
120	55.07	.311	246	78.00	.332	371	100.75	.762	496	123.50	.660
121	55.25	.309	247	78.18	.334	372	100.93	.763	497	123.68	.654
122	55.43	.307	248	78.36	.336	373	101.11	.764	498	123.86	.647

123	55.61	.305	249	78.54	.338	374	101.29	.765	499	124.04	.642
124	55.79	.303	250	78.73	.340	375	101.48	.767	500	124.23	.636
125	55.98	.301	251	78.91	.341	376	101.66	.770	501	124.41	.630
126	56.16	.299									

0********** JUNCTION VOLUMES (CUFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.086E+06	127	56.34	1.023E+06	252	79.09	8.526E+05	377	101.84	5.541E+05
2	33.59	1.082E+06	128	56.52	1.029E+06	253	79.27	8.494E+05	378	102.02	5.514E+05
3	33.77	1.073E+06	129	56.70	1.038E+06	254	79.45	8.463E+05	379	102.20	5.487E+05
4	33.95	1.064E+06	130	56.89	1.046E+06	255	79.64	8.431E+05	380	102.39	5.460E+05
5	34.14	1.055E+06	131	57.07	1.055E+06	256	79.82	8.400E+05	381	102.57	5.441E+05
6	34.32	1.047E+06	132	57.25	1.063E+06	257	80.00	8.369E+05	382	102.75	5.433E+05
7	34.50	1.038E+06	133	57.43	1.072E+06	258	80.18	8.337E+05	383	102.93	5.426E+05
8	34.68	1.033E+06	134	57.61	1.079E+06	259	80.36	8.306E+05	384	103.11	5.418E+05
9	34.86	1.027E+06	135	57.80	1.086E+06	260	80.55	8.270E+05	385	103.30	5.410E+05
10	35.05	1.022E+06	136	57.98	1.092E+06	261	80.73	8.219E+05	386	103.48	5.402E+05
11	35.23	1.017E+06	137	58.16	1.099E+06	262	80.91	8.168E+05	387	103.66	5.412E+05
12	35.41	1.012E+06	138	58.34	1.106E+06	263	81.09	8.117E+05	388	103.84	5.424E+05
13	35.59	1.009E+06	139	58.52	1.112E+06	264	81.27	8.066E+05	389	104.02	5.436E+05
14	35.77	1.009E+06	140	58.71	1.119E+06	265	81.46	8.015E+05	390	104.21	5.448E+05
15	35.96	1.009E+06	141	58.89	1.126E+06	266	81.64	7.980E+05	391	104.39	5.460E+05
16	36.14	1.009E+06	142	59.07	1.133E+06	267	81.82	7.949E+05	392	104.57	5.472E+05
17	36.32	1.009E+06	143	59.25	1.140E+06	268	82.00	7.918E+05	393	104.75	5.485E+05
18	36.50	1.009E+06	144	59.43	1.147E+06	269	82.18	7.888E+05	394	104.93	5.498E+05
19	36.68	1.014E+06	145	59.62	1.153E+06	270	82.37	7.857E+05	395	105.12	5.511E+05
20	36.87	1.020E+06	146	59.80	1.160E+06	271	82.55	7.827E+05	396	105.30	5.524E+05
21	37.05	1.025E+06	147	59.98	1.167E+06	272	82.73	7.796E+05	397	105.48	5.536E+05
22	37.23	1.030E+06	148	60.16	1.174E+06	273	82.91	7.766E+05	398	105.66	5.568E+05
23	37.41	1.035E+06	149	60.34	1.181E+06	274	83.09	7.736E+05	399	105.84	5.603E+05
24	37.59	1.044E+06	150	60.53	1.188E+06	275	83.28	7.705E+05	400	106.03	5.637E+05
25	37.78	1.056E+06	151	60.71	1.197E+06	276	83.46	7.675E+05	401	106.21	5.671E+05
26	37.96	1.069E+06	152	60.89	1.206E+06	277	83.64	7.629E+05	402	106.39	5.706E+05
27	38.14	1.081E+06	153	61.07	1.215E+06	278	83.82	7.578E+05	403	106.57	5.739E+05
28	38.32	1.093E+06	154	61.25	1.224E+06	279	84.00	7.527E+05	404	106.75	5.771E+05
29	38.50	1.105E+06	155	61.44	1.233E+06	280	84.19	7.476E+05	405	106.94	5.804E+05
30	38.69	1.110E+06	156	61.62	1.234E+06	281	84.37	7.426E+05	406	107.12	5.836E+05
31	38.87	1.116E+06	157	61.80	1.230E+06	282	84.55	7.381E+05	407	107.30	5.868E+05
32	39.05	1.121E+06	158	61.98	1.225E+06	283	84.73	7.351E+05	408	107.48	5.901E+05
33	39.23	1.126E+06	159	62.16	1.221E+06	284	84.91	7.322E+05	409	107.66	5.934E+05
34	39.41	1.131E+06	160	62.35	1.217E+06	285	85.10	7.292E+05	410	107.85	5.966E+05
35	39.60	1.134E+06	161	62.53	1.212E+06	286	85.28	7.262E+05	411	108.03	5.999E+05
36	39.78	1.134E+06	162	62.71	1.208E+06	287	85.46	7.233E+05	412	108.21	6.032E+05
37	39.96	1.134E+06	163	62.89	1.204E+06	288	85.64	7.204E+05	413	108.39	6.065E+05
38	40.14	1.134E+06	164	63.07	1.200E+06	289	85.82	7.176E+05	414	108.57	6.098E+05
39	40.32	1.134E+06	165	63.26	1.195E+06	290	86.01	7.148E+05	415	108.76	6.131E+05
40	40.51	1.134E+06	166	63.44	1.191E+06	291	86.19	7.119E+05	416	108.94	6.165E+05
41	40.69	1.128E+06	167	63.62	1.185E+06	292	86.37	7.091E+05	417	109.12	6.198E+05
42	40.87	1.123E+06	168	63.80	1.179E+06	293	86.55	7.062E+05	418	109.30	6.231E+05
43	41.05	1.118E+06	169	63.98	1.172E+06	294	86.73	7.032E+05	419	109.48	6.265E+05
44	41.23	1.113E+06	170	64.17	1.165E+06	295	86.92	7.002E+05	420	109.67	6.265E+05
45	41.42	1.107E+06	171	64.35	1.158E+06	296	87.10	6.972E+05	421	109.85	6.261E+05

46	41.60	1.113E+06	172	64.53	1.152E+06	297	87.28	6.941E+05	422	110.03	6.258E+05
47	41.78	1.127E+06	173	64.71	1.147E+06	298	87.46	6.911E+05	423	110.21	6.254E+05
48	41.96	1.141E+06	174	64.89	1.142E+06	299	87.64	6.882E+05	424	110.39	6.251E+05
49	42.14	1.155E+06	175	65.08	1.137E+06	300	87.83	6.853E+05	425	110.58	6.231E+05
50	42.33	1.169E+06	176	65.26	1.132E+06	301	88.01	6.825E+05	426	110.76	6.190E+05
51	42.51	1.181E+06	177	65.44	1.127E+06	302	88.19	6.796E+05	427	110.94	6.149E+05
52	42.69	1.169E+06	178	65.62	1.121E+06	303	88.37	6.767E+05	428	111.12	6.107E+05
53	42.87	1.157E+06	179	65.80	1.113E+06	304	88.55	6.738E+05	429	111.30	6.065E+05
54	43.05	1.145E+06	180	65.99	1.106E+06	305	88.74	6.708E+05	430	111.49	6.023E+05
55	43.24	1.132E+06	181	66.17	1.099E+06	306	88.92	6.679E+05	431	111.67	5.980E+05
56	43.42	1.120E+06	182	66.35	1.091E+06	307	89.10	6.649E+05	432	111.85	5.937E+05
57	43.60	1.109E+06	183	66.53	1.084E+06	308	89.28	6.620E+05	433	112.03	5.894E+05
58	43.78	1.098E+06	184	66.71	1.079E+06	309	89.46	6.590E+05	434	112.21	5.851E+05
59	43.96	1.088E+06	185	66.90	1.073E+06	310	89.65	6.561E+05	435	112.40	5.807E+05
60	44.15	1.077E+06	186	67.08	1.068E+06	311	89.83	6.531E+05	436	112.58	5.755E+05
61	44.33	1.067E+06	187	67.26	1.062E+06	312	90.01	6.502E+05	437	112.76	5.691E+05
62	44.51	1.056E+06	188	67.44	1.056E+06	313	90.19	6.473E+05	438	112.94	5.628E+05
63	44.69	1.046E+06	189	67.62	1.049E+06	314	90.37	6.444E+05	439	113.12	5.564E+05
64	44.87	1.035E+06	190	67.81	1.041E+06	315	90.56	6.421E+05	440	113.31	5.499E+05
65	45.06	1.025E+06	191	67.99	1.033E+06	316	90.74	6.412E+05	441	113.49	5.434E+05
66	45.24	1.014E+06	192	68.17	1.025E+06	317	90.92	6.402E+05	442	113.67	5.460E+05
67	45.42	1.004E+06	193	68.35	1.017E+06	318	91.10	6.393E+05	443	113.85	5.492E+05
68	45.60	9.945E+05	194	68.53	1.010E+06	319	91.28	6.384E+05	444	114.03	5.524E+05
69	45.78	9.857E+05	195	68.72	1.007E+06	320	91.47	6.374E+05	445	114.22	5.556E+05
70	45.97	9.770E+05	196	68.90	1.004E+06	321	91.65	6.350E+05	446	114.40	5.589E+05
71	46.15	9.682E+05	197	69.08	1.001E+06	322	91.83	6.322E+05	447	114.58	5.630E+05
72	46.33	9.595E+05	198	69.26	9.983E+05	323	92.01	6.294E+05	448	114.76	5.682E+05
73	46.51	9.528E+05	199	69.44	9.953E+05	324	92.19	6.267E+05	449	114.94	5.734E+05
74	46.69	9.738E+05	200	69.63	9.944E+05	325	92.38	6.239E+05	450	115.13	5.787E+05
75	46.88	9.948E+05	201	69.81	9.944E+05	326	92.56	6.217E+05	451	115.31	5.839E+05
76	47.06	1.016E+06	202	69.99	9.944E+05	327	92.74	6.208E+05	452	115.49	5.892E+05
77	47.24	1.037E+06	203	70.17	9.944E+05	328	92.92	6.199E+05	453	115.67	5.964E+05
78	47.42	1.058E+06	204	70.35	9.944E+05	329	93.10	6.190E+05	454	115.85	6.037E+05
79	47.60	1.080E+06	205	70.54	9.922E+05	330	93.29	6.181E+05	455	116.04	6.111E+05
80	47.79	1.103E+06	206	70.72	9.813E+05	331	93.47	6.172E+05	456	116.22	6.185E+05
81	47.97	1.125E+06	207	70.90	9.702E+05	332	93.65	6.163E+05	457	116.40	6.259E+05
82	48.15	1.148E+06	208	71.08	9.589E+05	333	93.83	6.155E+05	458	116.58	6.333E+05
83	48.33	1.171E+06	209	71.26	9.475E+05	334	94.01	6.147E+05	459	116.76	6.407E+05
84	48.51	1.191E+06	210	71.45	9.360E+05	335	94.20	6.139E+05	460	116.95	6.482E+05
85	48.70	1.186E+06	211	71.63	9.385E+05	336	94.38	6.131E+05	461	117.13	6.557E+05
86	48.88	1.181E+06	212	71.81	9.467E+05	337	94.56	6.116E+05	462	117.31	6.633E+05
87	49.06	1.175E+06	213	71.99	9.549E+05	338	94.74	6.088E+05	463	117.49	6.708E+05
88	49.24	1.170E+06	214	72.17	9.632E+05	339	94.92	6.059E+05	464	117.67	6.784E+05
89	49.42	1.165E+06	215	72.36	9.714E+05	340	95.11	6.031E+05	465	117.86	6.860E+05
90	49.61	1.136E+06	216	72.54	9.804E+05	341	95.29	6.003E+05	466	118.04	6.937E+05
91	49.79	1.091E+06	217	72.72	9.927E+05	342	95.47	5.975E+05	467	118.22	7.013E+05
92	49.97	1.045E+06	218	72.90	1.005E+06	343	95.65	5.964E+05	468	118.40	7.090E+05
93	50.15	9.996E+05	219	73.08	1.017E+06	344	95.83	5.956E+05	469	118.58	7.168E+05
94	50.33	9.542E+05	220	73.27	1.029E+06	345	96.02	5.948E+05	470	118.77	7.247E+05
95	50.52	9.127E+05	221	73.45	1.041E+06	346	96.20	5.940E+05	471	118.95	7.326E+05
96	50.70	9.110E+05	222	73.63	1.049E+06	347	96.38	5.932E+05	472	119.13	7.405E+05
97	50.88	9.093E+05	223	73.81	1.054E+06	348	96.56	5.924E+05	473	119.31	7.484E+05

98	51.06	9.075E+05	224	73.99	1.059E+06	349	96.74	5.915E+05	474	119.49	7.564E+05
99	51.24	9.058E+05	225	74.18	1.065E+06	350	96.93	5.906E+05	475	119.68	7.643E+05
100	51.43	9.040E+05	226	74.36	1.070E+06	351	97.11	5.897E+05	476	119.86	7.722E+05
101	51.61	9.190E+05	227	74.54	1.071E+06	352	97.29	5.888E+05	477	120.04	7.802E+05
102	51.79	9.452E+05	228	74.72	1.058E+06	353	97.47	5.879E+05	478	120.22	7.881E+05
103	51.97	9.715E+05	229	74.90	1.046E+06	354	97.65	5.871E+05	479	120.40	7.961E+05
104	52.15	9.977E+05	230	75.09	1.033E+06	355	97.84	5.863E+05	480	120.59	8.031E+05
105	52.34	1.024E+06	231	75.27	1.020E+06	356	98.02	5.855E+05	481	120.77	8.091E+05
106	52.52	1.045E+06	232	75.45	1.008E+06	357	98.20	5.847E+05	482	120.95	8.150E+05
107	52.70	1.026E+06	233	75.63	9.950E+05	358	98.38	5.839E+05	483	121.13	8.210E+05
108	52.88	1.007E+06	234	75.81	9.824E+05	359	98.56	5.824E+05	484	121.31	8.270E+05
109	53.06	9.877E+05	235	76.00	9.699E+05	360	98.75	5.796E+05	485	121.50	8.330E+05
110	53.25	9.685E+05	236	76.18	9.574E+05	361	98.93	5.769E+05	486	121.68	8.411E+05
111	53.43	9.493E+05	237	76.36	9.449E+05	362	99.11	5.741E+05	487	121.86	8.493E+05
112	53.61	9.434E+05	238	76.54	9.336E+05	363	99.29	5.714E+05	488	122.04	8.575E+05
113	53.79	9.462E+05	239	76.72	9.257E+05	364	99.47	5.687E+05	489	122.22	8.657E+05
114	53.97	9.490E+05	240	76.91	9.178E+05	365	99.66	5.676E+05	490	122.41	8.740E+05
115	54.16	9.518E+05	241	77.09	9.099E+05	366	99.84	5.668E+05	491	122.59	8.823E+05
116	54.34	9.546E+05	242	77.27	9.021E+05	367	100.02	5.660E+05	492	122.77	8.906E+05
117	54.52	9.578E+05	243	77.45	8.943E+05	368	100.20	5.652E+05	493	122.95	8.989E+05
118	54.70	9.641E+05	244	77.63	8.883E+05	369	100.38	5.645E+05	494	123.13	9.073E+05
119	54.88	9.704E+05	245	77.82	8.829E+05	370	100.57	5.636E+05	495	123.32	9.157E+05
120	55.07	9.767E+05	246	78.00	8.775E+05	371	100.75	5.628E+05	496	123.50	9.241E+05
121	55.25	9.831E+05	247	78.18	8.722E+05	372	100.93	5.619E+05	497	123.68	9.326E+05
122	55.43	9.895E+05	248	78.36	8.669E+05	373	101.11	5.610E+05	498	123.86	9.411E+05
123	55.61	9.960E+05	249	78.54	8.621E+05	374	101.29	5.601E+05	499	124.04	9.496E+05
124	55.79	1.003E+06	250	78.73	8.589E+05	375	101.48	5.592E+05	500	124.23	9.581E+05
125	55.98	1.009E+06	251	78.91	8.557E+05	376	101.66	5.568E+05	501	124.41	9.666E+05
126	56.16	1.016E+06									

0********** OWENS EDWARDS AND GIBBS CORRELATION **********

WIND INDUCED REAERATION WAS USED FOR THE FOLLOW SEGMENTS

1	2	3	4	5	6	7	8	9	10	11	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	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278																						

0********** COMPUTED REAERATION RATES (1/DAY) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.257	127	56.34	.283	252	79.09	.402	377	101.84	.961
2	33.59	.258	128	56.52	.282	253	79.27	.403	378	102.02	.970
3	33.77	.261	129	56.70	.281	254	79.45	.404	379	102.20	.979
4	33.95	.263	130	56.89	.279	255	79.64	.405	380	102.39	.988
5	34.14	.265	131	57.07	.278	256	79.82	.406	381	102.57	.994
6	34.32	.267	132	57.25	.276	257	80.00	.407	382	102.75	.995
7	34.50	.269	133	57.43	.275	258	80.18	.408	383	102.93	.996
8	34.68	.271	134	57.61	.274	259	80.36	.409	384	103.11	.997

9	34.86	.272	135	57.80	.273	260	80.55	.410	385	103.30	.998
10	35.05	.273	136	57.98	.272	261	80.73	.412	386	103.48	.999
11	35.23	.275	137	58.16	.271	262	80.91	.414	387	103.66	.992
12	35.41	.276	138	58.34	.270	263	81.09	.417	388	103.84	.985
13	35.59	.277	139	58.52	.269	264	81.27	.419	389	104.02	.977
14	35.77	.277	140	58.71	.268	265	81.46	.421	390	104.21	.970
15	35.96	.277	141	58.89	.267	266	81.64	.422	391	104.39	.963
16	36.14	.277	142	59.07	.267	267	81.82	.424	392	104.57	.955
17	36.32	.277	143	59.25	.266	268	82.00	.425	393	104.75	.948
18	36.50	.277	144	59.43	.265	269	82.18	.426	394	104.93	.941
19	36.68	.276	145	59.62	.264	270	82.37	.427	395	105.12	.934
20	36.87	.274	146	59.80	.263	271	82.55	.428	396	105.30	.927
21	37.05	.273	147	59.98	.262	272	82.73	.429	397	105.48	1.166
22	37.23	.271	148	60.16	.261	273	82.91	.430	398	105.66	1.149
23	37.41	.270	149	60.34	.260	274	83.09	.432	399	105.84	1.131
24	37.59	.268	150	60.53	.260	275	83.28	.433	400	106.03	1.113
25	37.78	.265	151	60.71	.258	276	83.46	.434	401	106.21	1.096
26	37.96	.262	152	60.89	.257	277	83.64	.436	402	106.39	1.079
27	38.14	.259	153	61.07	.256	278	83.82	.438	403	106.57	1.065
28	38.32	.256	154	61.25	.255	279	84.00	.441	404	106.75	1.055
29	38.50	.253	155	61.44	.253	280	84.19	.448	405	106.94	1.045
30	38.69	.252	156	61.62	.254	281	84.37	.454	406	107.12	1.035
31	38.87	.251	157	61.80	.256	282	84.55	.460	407	107.30	1.025
32	39.05	.249	158	61.98	.257	283	84.73	.464	408	107.48	1.016
33	39.23	.248	159	62.16	.259	284	84.91	.468	409	107.66	1.007
34	39.41	.247	160	62.35	.261	285	85.10	.471	410	107.85	.997
35	39.60	.246	161	62.53	.262	286	85.28	.475	411	108.03	.988
36	39.78	.246	162	62.71	.264	287	85.46	.479	412	108.21	.979
37	39.96	.246	163	62.89	.266	288	85.64	.483	413	108.39	.970
38	40.14	.246	164	63.07	.268	289	85.82	.487	414	108.57	.961
39	40.32	.246	165	63.26	.269	290	86.01	.490	415	108.76	.952
40	40.51	.247	166	63.44	.271	291	86.19	.494	416	108.94	.944
41	40.69	.248	167	63.62	.273	292	86.37	.498	417	109.12	.935
42	40.87	.249	168	63.80	.276	293	86.55	.502	418	109.30	.927
43	41.05	.250	169	63.98	.278	294	86.73	.506	419	109.48	.919
44	41.23	.251	170	64.17	.281	295	86.92	.511	420	109.67	.923
45	41.42	.252	171	64.35	.283	296	87.10	.515	421	109.85	.928
46	41.60	.251	172	64.53	.286	297	87.28	.519	422	110.03	.933
47	41.78	.248	173	64.71	.288	298	87.46	.524	423	110.21	.939
48	41.96	.245	174	64.89	.290	299	87.64	.528	424	110.39	.945
49	42.14	.242	175	65.08	.292	300	87.83	.689	425	110.58	.956
50	42.33	.239	176	65.26	.294	301	88.01	.695	426	110.76	.977
51	42.51	.237	177	65.44	.296	302	88.19	.701	427	110.94	.998
52	42.69	.239	178	65.62	.299	303	88.37	.707	428	111.12	1.019
53	42.87	.242	179	65.80	.301	304	88.55	.713	429	111.30	1.042
54	43.05	.244	180	65.99	.304	305	88.74	.719	430	111.49	1.065
55	43.24	.247	181	66.17	.307	306	88.92	.725	431	111.67	1.089
56	43.42	.250	182	66.35	.310	307	89.10	.731	432	111.85	1.114
57	43.60	.252	183	66.53	.313	308	89.28	.737	433	112.03	1.139
58	43.78	.254	184	66.71	.316	309	89.46	.744	434	112.21	1.166
59	43.96	.257	185	66.90	.318	310	89.65	.750	435	112.40	1.193
60	44.15	.259	186	67.08	.321	311	89.83	.757	436	112.58	1.226

61	44.33	.262	187	67.26	.323	312	90.01	.763	437	112.76	1.266
62	44.51	.265	188	67.44	.326	313	90.19	.770	438	112.94	1.308
63	44.69	.267	189	67.62	.329	314	90.37	.777	439	113.12	1.352
64	44.87	.270	190	67.81	.333	315	90.56	.782	440	113.31	1.398
65	45.06	.273	191	67.99	.336	316	90.74	.782	441	113.49	1.447
66	45.24	.276	192	68.17	.340	317	90.92	.783	442	113.67	1.436
67	45.42	.278	193	68.35	.343	318	91.10	.784	443	113.85	1.421
68	45.60	.281	194	68.53	.347	319	91.28	.784	444	114.03	1.406
69	45.78	.284	195	68.72	.348	320	91.47	.785	445	114.22	1.392
70	45.97	.286	196	68.90	.350	321	91.65	.791	446	114.40	1.377
71	46.15	.289	197	69.08	.351	322	91.83	.798	447	114.58	1.358
72	46.33	.291	198	69.26	.353	323	92.01	.805	448	114.76	1.332
73	46.51	.293	199	69.44	.354	324	92.19	.812	449	114.94	1.307
74	46.69	.287	200	69.63	.355	325	92.38	.819	450	115.13	1.283
75	46.88	.281	201	69.81	.355	326	92.56	.824	451	115.31	1.259
76	47.06	.275	202	69.99	.355	327	92.74	.825	452	115.49	1.236
77	47.24	.270	203	70.17	.355	328	92.92	.826	453	115.67	1.204
78	47.42	.264	204	70.35	.355	329	93.10	.826	454	115.85	1.172
79	47.60	.259	205	70.54	.356	330	93.29	.827	455	116.04	1.142
80	47.79	.254	206	70.72	.361	331	93.47	.828	456	116.22	1.112
81	47.97	.248	207	70.90	.367	332	93.65	.829	457	116.40	1.084
82	48.15	.243	208	71.08	.373	333	93.83	.830	458	116.58	1.056
83	48.33	.239	209	71.26	.379	334	94.01	.830	459	116.76	1.030
84	48.51	.235	210	71.45	.386	335	94.20	.831	460	116.95	1.004
85	48.70	.236	211	71.63	.385	336	94.38	.832	461	117.13	.980
86	48.88	.237	212	71.81	.382	337	94.56	.835	462	117.31	.956
87	49.06	.238	213	71.99	.378	338	94.74	.842	463	117.49	.932
88	49.24	.239	214	72.17	.374	339	94.92	.850	464	117.67	.910
89	49.42	.240	215	72.36	.371	340	95.11	.857	465	117.86	.888
90	49.61	.246	216	72.54	.367	341	95.29	.865	466	118.04	.867
91	49.79	.256	217	72.72	.362	342	95.47	.873	467	118.22	.847
92	49.97	.267	218	72.90	.357	343	95.65	.875	468	118.40	.827
93	50.15	.280	219	73.08	.353	344	95.83	.876	469	118.58	.808
94	50.33	.293	220	73.27	.348	345	96.02	.877	470	118.77	.790
95	50.52	.306	221	73.45	.343	346	96.20	.877	471	118.95	.772
96	50.70	.307	222	73.63	.341	347	96.38	.878	472	119.13	.754
97	50.88	.307	223	73.81	.338	348	96.56	.879	473	119.31	.737
98	51.06	.308	224	73.99	.336	349	96.74	.880	474	119.49	.721
99	51.24	.309	225	74.18	.334	350	96.93	.881	475	119.68	.705
100	51.43	.309	226	74.36	.332	351	97.11	.882	476	119.86	.690
101	51.61	.304	227	74.54	.331	352	97.29	.883	477	120.04	.675
102	51.79	.296	228	74.72	.335	353	97.47	.883	478	120.22	.660
103	51.97	.288	229	74.90	.338	354	97.65	.884	479	120.40	.646
104	52.15	.280	230	75.09	.342	355	97.84	.885	480	120.59	.635
105	52.34	.273	231	75.27	.346	356	98.02	.886	481	120.77	.626
106	52.52	.267	232	75.45	.349	357	98.20	.887	482	120.95	.616
107	52.70	.272	233	75.63	.353	358	98.38	.887	483	121.13	.608
108	52.88	.278	234	75.81	.357	359	98.56	.891	484	121.31	.599
109	53.06	.283	235	76.00	.361	360	98.75	.899	485	121.50	.590
110	53.25	.289	236	76.18	.365	361	98.93	.907	486	121.68	.578
111	53.43	.294	237	76.36	.370	362	99.11	.916	487	121.86	.567
112	53.61	.296	238	76.54	.374	363	99.29	.924	488	122.04	.555

113	53.79	.296	239	76.72	.376	364	99.47	.933	489	122.22	.544
114	53.97	.295	240	76.91	.379	365	99.66	.935	490	122.41	.533
115	54.16	.295	241	77.09	.382	366	99.84	.935	491	122.59	.523
116	54.34	.294	242	77.27	.384	367	100.02	.936	492	122.77	.512
117	54.52	.294	243	77.45	.387	368	100.20	.937	493	122.95	.502
118	54.70	.293	244	77.63	.389	369	100.38	.938	494	123.13	.493
119	54.88	.292	245	77.82	.391	370	100.57	.939	495	123.32	.483
120	55.07	.290	246	78.00	.393	371	100.75	.940	496	123.50	.474
121	55.25	.289	247	78.18	.395	372	100.93	.941	497	123.68	.465
122	55.43	.288	248	78.36	.397	373	101.11	.942	498	123.86	.456
123	55.61	.287	249	78.54	.399	374	101.29	.943	499	124.04	.447
124	55.79	.286	250	78.73	.400	375	101.48	.944	500	124.23	.439
125	55.98	.285	251	78.91	.401	376	101.66	.952	501	124.41	.431
126	56.16	.284									

1**********

****

********** STEADY STATE FLOW CONDITIONS **********

****

********** TOTAL INFLOWS = 651.3 CFS **********

********** TOTAL DIVERSIONS = 332.0 CFS **********

********** OUTFLOW AT DOWNSTREAM JUNCTION = 319.3 CFS **********

****

****

0********** POINT SOURCE INFLOWS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.290	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	3.868	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000

27	38.14	.007	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.037	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.002	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.193	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.034	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.015
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.348	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.023	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.005	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.017	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000

79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	2.300	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.002	212	71.81	.000	337	94.56	.006	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.030
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.093
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.009	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.017	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	1.296	243	77.45	5.802	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	1.934	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.967
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	634.000
126	56.16	.000									

0********** NONPOINT SOURCE INFLOWS (CFS) (EXCLUDING RAINFALL) **********

ALL VALUES = 0.000E+00

0********** POINT DIVERSIONS (CFS) **********

0 JUNC	RIVER	JUNC	RIVER	JUNC	RIVER	JUNC	RIVER

NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE
1	33.41	319.296	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	189.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	143.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000

52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000

104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	.000	243	77.45	.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	.000
126	56.16	.000									

0********** NONPOINT DIVERSIONS OR LOSSES (CFS) (EXCLUDING EVAPORATION) **********

ALL VALUES = 0.000E+00

0********** JUNCT*N FLOWS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	-319.296	127	56.34	-315.718	252	79.09	-303.515	377	101.84	-446.105
2	33.59	-319.006	128	56.52	-315.718	253	79.27	-303.515	378	102.02	-446.105
3	33.77	-319.006	129	56.70	-315.718	254	79.45	-303.515	379	102.20	-446.105
4	33.95	-319.006	130	56.89	-315.718	255	79.64	-303.515	380	102.39	-446.105
5	34.14	-319.006	131	57.07	-315.718	256	79.82	-303.515	381	102.57	-446.105
6	34.32	-319.006	132	57.25	-315.718	257	80.00	-303.515	382	102.75	-446.105
7	34.50	-319.006	133	57.43	-315.718	258	80.18	-303.515	383	102.93	-446.105
8	34.68	-319.006	134	57.61	-315.718	259	80.36	-303.515	384	103.11	-446.105
9	34.86	-319.006	135	57.80	-311.850	260	80.55	-303.515	385	103.30	-446.105
10	35.05	-319.006	136	57.98	-311.850	261	80.73	-303.515	386	103.48	-446.105
11	35.23	-319.006	137	58.16	-311.850	262	80.91	-303.515	387	103.66	-446.105
12	35.41	-319.006	138	58.34	-311.850	263	81.09	-303.515	388	103.84	-446.105
13	35.59	-319.006	139	58.52	-311.850	264	81.27	-303.515	389	104.02	-446.105
14	35.77	-319.006	140	58.71	-311.850	265	81.46	-303.515	390	104.21	-446.105
15	35.96	-319.006	141	58.89	-311.850	266	81.64	-303.515	391	104.39	-446.105
16	36.14	-319.006	142	59.07	-311.850	267	81.82	-303.515	392	104.57	-446.105
17	36.32	-319.006	143	59.25	-311.850	268	82.00	-303.515	393	104.75	-446.105
18	36.50	-319.006	144	59.43	-311.850	269	82.18	-303.515	394	104.93	-446.105
19	36.68	-319.006	145	59.62	-311.850	270	82.37	-303.515	395	105.12	-446.105
20	36.87	-319.006	146	59.80	-311.850	271	82.55	-303.515	396	105.30	-446.105
21	37.05	-319.006	147	59.98	-311.850	272	82.73	-303.515	397	105.48	-635.105
22	37.23	-319.006	148	60.16	-311.850	273	82.91	-303.515	398	105.66	-635.105
23	37.41	-319.006	149	60.34	-311.850	274	83.09	-303.515	399	105.84	-635.105
24	37.59	-319.006	150	60.53	-311.850	275	83.28	-303.515	400	106.03	-635.105

25	37.78	-319.006	151	60.71	-311.850	276	83.46	-303.515	401	106.21	-635.105
26	37.96	-319.006	152	60.89	-311.850	277	83.64	-303.515	402	106.39	-635.105
27	38.14	-318.999	153	61.07	-311.850	278	83.82	-303.515	403	106.57	-635.105
28	38.32	-318.999	154	61.25	-311.850	279	84.00	-303.515	404	106.75	-635.105
29	38.50	-318.999	155	61.44	-311.850	280	84.19	-303.515	405	106.94	-635.105
30	38.69	-318.999	156	61.62	-311.850	281	84.37	-303.515	406	107.12	-635.105
31	38.87	-318.999	157	61.80	-311.850	282	84.55	-303.515	407	107.30	-635.105
32	39.05	-318.999	158	61.98	-311.813	283	84.73	-303.515	408	107.48	-635.105
33	39.23	-318.999	159	62.16	-311.813	284	84.91	-303.515	409	107.66	-635.105
34	39.41	-318.999	160	62.35	-311.813	285	85.10	-303.515	410	107.85	-635.105
35	39.60	-318.999	161	62.53	-311.813	286	85.28	-303.515	411	108.03	-635.105
36	39.78	-318.999	162	62.71	-311.813	287	85.46	-303.515	412	108.21	-635.105
37	39.96	-318.999	163	62.89	-311.811	288	85.64	-303.515	413	108.39	-635.105
38	40.14	-318.999	164	63.07	-311.811	289	85.82	-303.515	414	108.57	-635.105
39	40.32	-318.999	165	63.26	-311.811	290	86.01	-303.515	415	108.76	-635.105
40	40.51	-318.999	166	63.44	-311.811	291	86.19	-303.515	416	108.94	-635.105
41	40.69	-318.999	167	63.62	-311.811	292	86.37	-303.515	417	109.12	-635.105
42	40.87	-318.999	168	63.80	-311.617	293	86.55	-303.515	418	109.30	-635.105
43	41.05	-318.999	169	63.98	-311.617	294	86.73	-303.515	419	109.48	-635.105
44	41.23	-318.999	170	64.17	-311.617	295	86.92	-303.515	420	109.67	-635.105
45	41.42	-318.999	171	64.35	-311.617	296	87.10	-303.515	421	109.85	-635.105
46	41.60	-318.999	172	64.53	-311.617	297	87.28	-303.515	422	110.03	-635.105
47	41.78	-318.999	173	64.71	-311.617	298	87.46	-303.515	423	110.21	-635.105
48	41.96	-318.999	174	64.89	-311.617	299	87.64	-303.515	424	110.39	-635.105
49	42.14	-318.999	175	65.08	-311.617	300	87.83	-446.515	425	110.58	-635.105
50	42.33	-318.999	176	65.26	-311.617	301	88.01	-446.515	426	110.76	-635.105
51	42.51	-318.999	177	65.44	-311.617	302	88.19	-446.515	427	110.94	-635.105
52	42.69	-318.999	178	65.62	-311.617	303	88.37	-446.515	428	111.12	-635.105
53	42.87	-318.999	179	65.80	-311.617	304	88.55	-446.481	429	111.30	-635.105
54	43.05	-318.999	180	65.99	-311.617	305	88.74	-446.481	430	111.49	-635.105
55	43.24	-318.999	181	66.17	-311.617	306	88.92	-446.481	431	111.67	-635.105
56	43.42	-318.999	182	66.35	-311.617	307	89.10	-446.481	432	111.85	-635.105
57	43.60	-318.999	183	66.53	-311.617	308	89.28	-446.481	433	112.03	-635.105
58	43.78	-318.999	184	66.71	-311.617	309	89.46	-446.481	434	112.21	-635.105
59	43.96	-318.999	185	66.90	-311.617	310	89.65	-446.481	435	112.40	-635.105
60	44.15	-318.999	186	67.08	-311.617	311	89.83	-446.481	436	112.58	-635.105
61	44.33	-318.999	187	67.26	-311.617	312	90.01	-446.481	437	112.76	-635.105
62	44.51	-318.999	188	67.44	-311.617	313	90.19	-446.481	438	112.94	-635.105
63	44.69	-318.999	189	67.62	-311.617	314	90.37	-446.481	439	113.12	-635.090
64	44.87	-318.999	190	67.81	-311.617	315	90.56	-446.481	440	113.31	-635.090
65	45.06	-318.999	191	67.99	-311.617	316	90.74	-446.133	441	113.49	-635.090
66	45.24	-318.999	192	68.17	-311.617	317	90.92	-446.133	442	113.67	-635.090
67	45.42	-318.976	193	68.35	-311.617	318	91.10	-446.133	443	113.85	-635.090
68	45.60	-318.976	194	68.53	-311.617	319	91.28	-446.133	444	114.03	-635.090
69	45.78	-318.976	195	68.72	-311.617	320	91.47	-446.133	445	114.22	-635.090
70	45.97	-318.976	196	68.90	-311.617	321	91.65	-446.133	446	114.40	-635.090
71	46.15	-318.976	197	69.08	-311.617	322	91.83	-446.128	447	114.58	-635.090
72	46.33	-318.976	198	69.26	-311.617	323	92.01	-446.128	448	114.76	-635.090
73	46.51	-318.976	199	69.44	-311.617	324	92.19	-446.128	449	114.94	-635.090
74	46.69	-318.959	200	69.63	-311.617	325	92.38	-446.128	450	115.13	-635.090
75	46.88	-318.959	201	69.81	-311.617	326	92.56	-446.128	451	115.31	-635.090
76	47.06	-318.959	202	69.99	-311.617	327	92.74	-446.128	452	115.49	-635.090

77	47.24	-318.959	203	70.17	-311.617	328	92.92	-446.128	453	115.67	-635.090
78	47.42	-318.959	204	70.35	-311.617	329	93.10	-446.128	454	115.85	-635.090
79	47.60	-318.959	205	70.54	-311.617	330	93.29	-446.128	455	116.04	-635.090
80	47.79	-318.959	206	70.72	-311.617	331	93.47	-446.128	456	116.22	-635.090
81	47.97	-318.959	207	70.90	-311.617	332	93.65	-446.128	457	116.40	-635.090
82	48.15	-318.959	208	71.08	-311.617	333	93.83	-446.128	458	116.58	-635.090
83	48.33	-318.959	209	71.26	-311.617	334	94.01	-446.128	459	116.76	-635.090
84	48.51	-318.959	210	71.45	-309.317	335	94.20	-446.128	460	116.95	-635.090
85	48.70	-318.959	211	71.63	-309.317	336	94.38	-446.128	461	117.13	-635.090
86	48.88	-318.957	212	71.81	-309.317	337	94.56	-446.123	462	117.31	-635.090
87	49.06	-318.957	213	71.99	-309.317	338	94.74	-446.123	463	117.49	-635.090
88	49.24	-318.957	214	72.17	-309.317	339	94.92	-446.123	464	117.67	-635.060
89	49.42	-318.957	215	72.36	-309.317	340	95.11	-446.123	465	117.86	-634.967
90	49.61	-318.957	216	72.54	-309.317	341	95.29	-446.123	466	118.04	-634.967
91	49.79	-318.957	217	72.72	-309.317	342	95.47	-446.123	467	118.22	-634.967
92	49.97	-318.957	218	72.90	-309.317	343	95.65	-446.123	468	118.40	-634.967
93	50.15	-318.948	219	73.08	-309.317	344	95.83	-446.123	469	118.58	-634.967
94	50.33	-318.948	220	73.27	-309.317	345	96.02	-446.123	470	118.77	-634.967
95	50.52	-318.948	221	73.45	-309.317	346	96.20	-446.123	471	118.95	-634.967
96	50.70	-318.948	222	73.63	-309.317	347	96.38	-446.123	472	119.13	-634.967
97	50.88	-318.948	223	73.81	-309.317	348	96.56	-446.123	473	119.31	-634.967
98	51.06	-318.948	224	73.99	-309.317	349	96.74	-446.123	474	119.49	-634.967
99	51.24	-318.948	225	74.18	-309.317	350	96.93	-446.123	475	119.68	-634.967
100	51.43	-318.948	226	74.36	-309.317	351	97.11	-446.123	476	119.86	-634.967
101	51.61	-318.948	227	74.54	-309.317	352	97.29	-446.123	477	120.04	-634.967
102	51.79	-318.948	228	74.72	-309.317	353	97.47	-446.123	478	120.22	-634.967
103	51.97	-318.948	229	74.90	-309.317	354	97.65	-446.123	479	120.40	-634.967
104	52.15	-318.948	230	75.09	-309.317	355	97.84	-446.123	480	120.59	-634.967
105	52.34	-318.948	231	75.27	-309.317	356	98.02	-446.123	481	120.77	-634.967
106	52.52	-318.948	232	75.45	-309.317	357	98.20	-446.123	482	120.95	-634.967
107	52.70	-318.948	233	75.63	-309.317	358	98.38	-446.105	483	121.13	-634.967
108	52.88	-318.948	234	75.81	-309.317	359	98.56	-446.105	484	121.31	-634.967
109	53.06	-318.948	235	76.00	-309.317	360	98.75	-446.105	485	121.50	-634.967
110	53.25	-318.948	236	76.18	-309.317	361	98.93	-446.105	486	121.68	-634.967
111	53.43	-318.948	237	76.36	-309.317	362	99.11	-446.105	487	121.86	-634.967
112	53.61	-318.948	238	76.54	-309.317	363	99.29	-446.105	488	122.04	-634.967
113	53.79	-318.948	239	76.72	-309.317	364	99.47	-446.105	489	122.22	-634.967
114	53.97	-318.948	240	76.91	-309.317	365	99.66	-446.105	490	122.41	-634.967
115	54.16	-318.948	241	77.09	-309.317	366	99.84	-446.105	491	122.59	-634.967
116	54.34	-318.948	242	77.27	-309.317	367	100.02	-446.105	492	122.77	-634.967
117	54.52	-317.652	243	77.45	-303.515	368	100.20	-446.105	493	122.95	-634.967
118	54.70	-317.652	244	77.63	-303.515	369	100.38	-446.105	494	123.13	-634.967
119	54.88	-315.718	245	77.82	-303.515	370	100.57	-446.105	495	123.32	-634.967
120	55.07	-315.718	246	78.00	-303.515	371	100.75	-446.105	496	123.50	-634.967
121	55.25	-315.718	247	78.18	-303.515	372	100.93	-446.105	497	123.68	-634.967
122	55.43	-315.718	248	78.36	-303.515	373	101.11	-446.105	498	123.86	-634.000
123	55.61	-315.718	249	78.54	-303.515	374	101.29	-446.105	499	124.04	-634.000
124	55.79	-315.718	250	78.73	-303.515	375	101.48	-446.105	500	124.23	-634.000
125	55.98	-315.718	251	78.91	-303.515	376	101.66	-446.105	501	124.41	-634.000
126	56.16	-315.718									

0********** RESIDENCE TIME (DAYS) **********

0	JUNC	RIVER		JUNC	RIVER		JUNC	RIVER		JUNC	RIVER

NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE
1	33.41	13.924	127	56.34	9.126	252	79.09	4.202	377	101.84	1.578
2	33.59	13.885	128	56.52	9.089	253	79.27	4.170	378	102.02	1.563
3	33.77	13.846	129	56.70	9.051	254	79.45	4.137	379	102.20	1.549
4	33.95	13.807	130	56.89	9.013	255	79.64	4.105	380	102.39	1.535
5	34.14	13.768	131	57.07	8.975	256	79.82	4.073	381	102.57	1.521
6	34.32	13.730	132	57.25	8.936	257	80.00	4.041	382	102.75	1.507
7	34.50	13.692	133	57.43	8.897	258	80.18	4.009	383	102.93	1.493
8	34.68	13.654	134	57.61	8.858	259	80.36	3.977	384	103.11	1.478
9	34.86	13.617	135	57.80	8.818	260	80.55	3.945	385	103.30	1.464
10	35.05	13.580	136	57.98	8.778	261	80.73	3.914	386	103.48	1.450
11	35.23	13.542	137	58.16	8.737	262	80.91	3.882	387	103.66	1.436
12	35.41	13.506	138	58.34	8.696	263	81.09	3.851	388	103.84	1.422
13	35.59	13.469	139	58.52	8.655	264	81.27	3.820	389	104.02	1.408
14	35.77	13.432	140	58.71	8.614	265	81.46	3.790	390	104.21	1.394
15	35.96	13.396	141	58.89	8.573	266	81.64	3.759	391	104.39	1.380
16	36.14	13.359	142	59.07	8.531	267	81.82	3.729	392	104.57	1.366
17	36.32	13.322	143	59.25	8.489	268	82.00	3.698	393	104.75	1.352
18	36.50	13.286	144	59.43	8.446	269	82.18	3.668	394	104.93	1.337
19	36.68	13.249	145	59.62	8.404	270	82.37	3.638	395	105.12	1.323
20	36.87	13.212	146	59.80	8.361	271	82.55	3.608	396	105.30	1.309
21	37.05	13.175	147	59.98	8.318	272	82.73	3.578	397	105.48	1.294
22	37.23	13.138	148	60.16	8.275	273	82.91	3.548	398	105.66	1.284
23	37.41	13.101	149	60.34	8.231	274	83.09	3.519	399	105.84	1.274
24	37.59	13.063	150	60.53	8.187	275	83.28	3.489	400	106.03	1.264
25	37.78	13.025	151	60.71	8.143	276	83.46	3.460	401	106.21	1.254
26	37.96	12.987	152	60.89	8.099	277	83.64	3.431	402	106.39	1.243
27	38.14	12.948	153	61.07	8.054	278	83.82	3.402	403	106.57	1.233
28	38.32	12.909	154	61.25	8.009	279	84.00	3.373	404	106.75	1.223
29	38.50	12.869	155	61.44	7.963	280	84.19	3.344	405	106.94	1.212
30	38.69	12.829	156	61.62	7.918	281	84.37	3.316	406	107.12	1.201
31	38.87	12.789	157	61.80	7.872	282	84.55	3.287	407	107.30	1.191
32	39.05	12.749	158	61.98	7.826	283	84.73	3.259	408	107.48	1.180
33	39.23	12.708	159	62.16	7.781	284	84.91	3.231	409	107.66	1.169
34	39.41	12.667	160	62.35	7.735	285	85.10	3.203	410	107.85	1.159
35	39.60	12.626	161	62.53	7.690	286	85.28	3.175	411	108.03	1.148
36	39.78	12.585	162	62.71	7.645	287	85.46	3.148	412	108.21	1.137
37	39.96	12.544	163	62.89	7.600	288	85.64	3.120	413	108.39	1.126
38	40.14	12.503	164	63.07	7.556	289	85.82	3.093	414	108.57	1.115
39	40.32	12.461	165	63.26	7.511	290	86.01	3.065	415	108.76	1.104
40	40.51	12.420	166	63.44	7.467	291	86.19	3.038	416	108.94	1.092
41	40.69	12.379	167	63.62	7.423	292	86.37	3.011	417	109.12	1.081
42	40.87	12.338	168	63.80	7.379	293	86.55	2.984	418	109.30	1.070
43	41.05	12.297	169	63.98	7.335	294	86.73	2.957	419	109.48	1.059
44	41.23	12.257	170	64.17	7.291	295	86.92	2.930	420	109.67	1.047
45	41.42	12.216	171	64.35	7.248	296	87.10	2.903	421	109.85	1.036
46	41.60	12.176	172	64.53	7.205	297	87.28	2.877	422	110.03	1.024
47	41.78	12.136	173	64.71	7.162	298	87.46	2.850	423	110.21	1.013
48	41.96	12.095	174	64.89	7.120	299	87.64	2.824	424	110.39	1.002
49	42.14	12.054	175	65.08	7.077	300	87.83	2.798	425	110.58	.990
50	42.33	12.012	176	65.26	7.035	301	88.01	2.780	426	110.76	.979
51	42.51	11.969	177	65.44	6.993	302	88.19	2.762	427	110.94	.967

52	42.69	11.926	178	65.62	6.951	303	88.37	2.745	428	111.12	.956
53	42.87	11.884	179	65.80	6.909	304	88.55	2.727	429	111.30	.945
54	43.05	11.842	180	65.99	6.868	305	88.74	2.710	430	111.49	.934
55	43.24	11.801	181	66.17	6.827	306	88.92	2.692	431	111.67	.923
56	43.42	11.759	182	66.35	6.786	307	89.10	2.675	432	111.85	.912
57	43.60	11.719	183	66.53	6.746	308	89.28	2.658	433	112.03	.901
58	43.78	11.679	184	66.71	6.705	309	89.46	2.640	434	112.21	.891
59	43.96	11.639	185	66.90	6.665	310	89.65	2.623	435	112.40	.880
60	44.15	11.599	186	67.08	6.626	311	89.83	2.606	436	112.58	.869
61	44.33	11.560	187	67.26	6.586	312	90.01	2.589	437	112.76	.859
62	44.51	11.521	188	67.44	6.546	313	90.19	2.573	438	112.94	.849
63	44.69	11.483	189	67.62	6.507	314	90.37	2.556	439	113.12	.838
64	44.87	11.445	190	67.81	6.468	315	90.56	2.539	440	113.31	.828
65	45.06	11.408	191	67.99	6.430	316	90.74	2.522	441	113.49	.818
66	45.24	11.370	192	68.17	6.391	317	90.92	2.506	442	113.67	.808
67	45.42	11.334	193	68.35	6.353	318	91.10	2.489	443	113.85	.798
68	45.60	11.297	194	68.53	6.315	319	91.28	2.473	444	114.03	.788
69	45.78	11.261	195	68.72	6.278	320	91.47	2.456	445	114.22	.778
70	45.97	11.225	196	68.90	6.240	321	91.65	2.440	446	114.40	.768
71	46.15	11.190	197	69.08	6.203	322	91.83	2.423	447	114.58	.758
72	46.33	11.155	198	69.26	6.166	323	92.01	2.407	448	114.76	.748
73	46.51	11.120	199	69.44	6.129	324	92.19	2.390	449	114.94	.737
74	46.69	11.085	200	69.63	6.092	325	92.38	2.374	450	115.13	.727
75	46.88	11.050	201	69.81	6.055	326	92.56	2.358	451	115.31	.716
76	47.06	11.014	202	69.99	6.018	327	92.74	2.342	452	115.49	.706
77	47.24	10.977	203	70.17	5.981	328	92.92	2.326	453	115.67	.695
78	47.42	10.939	204	70.35	5.944	329	93.10	2.310	454	115.85	.684
79	47.60	10.901	205	70.54	5.907	330	93.29	2.294	455	116.04	.673
80	47.79	10.862	206	70.72	5.870	331	93.47	2.277	456	116.22	.662
81	47.97	10.822	207	70.90	5.834	332	93.65	2.261	457	116.40	.651
82	48.15	10.781	208	71.08	5.798	333	93.83	2.245	458	116.58	.639
83	48.33	10.739	209	71.26	5.762	334	94.01	2.230	459	116.76	.628
84	48.51	10.697	210	71.45	5.727	335	94.20	2.214	460	116.95	.616
85	48.70	10.654	211	71.63	5.692	336	94.38	2.198	461	117.13	.604
86	48.88	10.611	212	71.81	5.657	337	94.56	2.182	462	117.31	.592
87	49.06	10.568	213	71.99	5.622	338	94.74	2.166	463	117.49	.580
88	49.24	10.525	214	72.17	5.586	339	94.92	2.150	464	117.67	.568
89	49.42	10.483	215	72.36	5.550	340	95.11	2.134	465	117.86	.556
90	49.61	10.440	216	72.54	5.513	341	95.29	2.119	466	118.04	.543
91	49.79	10.399	217	72.72	5.477	342	95.47	2.103	467	118.22	.530
92	49.97	10.360	218	72.90	5.440	343	95.65	2.088	468	118.40	.518
93	50.15	10.322	219	73.08	5.402	344	95.83	2.072	469	118.58	.505
94	50.33	10.285	220	73.27	5.364	345	96.02	2.057	470	118.77	.492
95	50.52	10.251	221	73.45	5.325	346	96.20	2.041	471	118.95	.478
96	50.70	10.218	222	73.63	5.286	347	96.38	2.026	472	119.13	.465
97	50.88	10.185	223	73.81	5.247	348	96.56	2.010	473	119.31	.452
98	51.06	10.152	224	73.99	5.208	349	96.74	1.995	474	119.49	.438
99	51.24	10.119	225	74.18	5.168	350	96.93	1.980	475	119.68	.424
100	51.43	10.086	226	74.36	5.128	351	97.11	1.964	476	119.86	.410
101	51.61	10.053	227	74.54	5.088	352	97.29	1.949	477	120.04	.396
102	51.79	10.020	228	74.72	5.048	353	97.47	1.934	478	120.22	.382
103	51.97	9.985	229	74.90	5.009	354	97.65	1.919	479	120.40	.368

104	52.15	9.950	230	75.09	4.969	355	97.84	1.903	480	120.59	.353
105	52.34	9.914	231	75.27	4.931	356	98.02	1.888	481	120.77	.338
106	52.52	9.877	232	75.45	4.893	357	98.20	1.873	482	120.95	.324
107	52.70	9.839	233	75.63	4.855	358	98.38	1.858	483	121.13	.309
108	52.88	9.802	234	75.81	4.818	359	98.56	1.843	484	121.31	.294
109	53.06	9.765	235	76.00	4.781	360	98.75	1.828	485	121.50	.279
110	53.25	9.729	236	76.18	4.745	361	98.93	1.813	486	121.68	.264
111	53.43	9.694	237	76.36	4.709	362	99.11	1.798	487	121.86	.248
112	53.61	9.660	238	76.54	4.673	363	99.29	1.783	488	122.04	.233
113	53.79	9.625	239	76.72	4.639	364	99.47	1.768	489	122.22	.217
114	53.97	9.591	240	76.91	4.604	365	99.66	1.753	490	122.41	.201
115	54.16	9.557	241	77.09	4.570	366	99.84	1.738	491	122.59	.185
116	54.34	9.522	242	77.27	4.536	367	100.02	1.724	492	122.77	.169
117	54.52	9.487	243	77.45	4.502	368	100.20	1.709	493	122.95	.153
118	54.70	9.453	244	77.63	4.468	369	100.38	1.694	494	123.13	.137
119	54.88	9.417	245	77.82	4.434	370	100.57	1.680	495	123.32	.120
120	55.07	9.382	246	78.00	4.400	371	100.75	1.665	496	123.50	.103
121	55.25	9.346	247	78.18	4.367	372	100.93	1.650	497	123.68	.087
122	55.43	9.310	248	78.36	4.333	373	101.11	1.636	498	123.86	.070
123	55.61	9.274	249	78.54	4.300	374	101.29	1.621	499	124.04	.052
124	55.79	9.237	250	78.73	4.267	375	101.48	1.607	500	124.23	.035
125	55.98	9.200	251	78.91	4.235	376	101.66	1.592	501	124.41	.018
126	56.16	9.163									

1**********
****
********** **********
********** STEADY STATE NBOD INPUT CONDITIONS **********
********** **********
****
****

0
0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	43.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000

19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	64.500	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	64.500	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	64.500	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	43.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	64.500	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	64.500
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	64.500	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000

71	46.15	.000	197	69.08	.000	322	91.83	64.500	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	64.500	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	8.800	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	64.500	212	71.81	.000	337	94.56	64.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	64.500
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	43.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	64.500	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	64.500	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	1.848	243	77.45	43.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	43.000

123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	2.924
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Summer Projections (Mar-Nov), 3 DO criterion **********

****

********** STEADY STATE NBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 319.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.611	127	56.34	2.191	252	79.09	2.247	377	101.84	2.686
2	33.59	1.614	128	56.52	2.196	253	79.27	2.252	378	102.02	2.689
3	33.77	1.585	129	56.70	2.202	254	79.45	2.257	379	102.20	2.692
4	33.95	1.586	130	56.89	2.208	255	79.64	2.262	380	102.39	2.694
5	34.14	1.590	131	57.07	2.214	256	79.82	2.267	381	102.57	2.697
6	34.32	1.594	132	57.25	2.220	257	80.00	2.272	382	102.75	2.700
7	34.50	1.598	133	57.43	2.226	258	80.18	2.277	383	102.93	2.702
8	34.68	1.602	134	57.61	2.232	259	80.36	2.282	384	103.11	2.705
9	34.86	1.606	135	57.80	2.238	260	80.55	2.287	385	103.30	2.708
10	35.05	1.611	136	57.98	2.266	261	80.73	2.292	386	103.48	2.710
11	35.23	1.615	137	58.16	2.277	262	80.91	2.297	387	103.66	2.713
12	35.41	1.619	138	58.34	2.284	263	81.09	2.302	388	103.84	2.715
13	35.59	1.623	139	58.52	2.291	264	81.27	2.307	389	104.02	2.718
14	35.77	1.627	140	58.71	2.297	265	81.46	2.312	390	104.21	2.721
15	35.96	1.631	141	58.89	2.304	266	81.64	2.316	391	104.39	2.723
16	36.14	1.635	142	59.07	2.311	267	81.82	2.321	392	104.57	2.726
17	36.32	1.639	143	59.25	2.317	268	82.00	2.326	393	104.75	2.729
18	36.50	1.644	144	59.43	2.324	269	82.18	2.331	394	104.93	2.731
19	36.68	1.648	145	59.62	2.331	270	82.37	2.336	395	105.12	2.734
20	36.87	1.652	146	59.80	2.338	271	82.55	2.341	396	105.30	2.737
21	37.05	1.656	147	59.98	2.345	272	82.73	2.346	397	105.48	2.740
22	37.23	1.660	148	60.16	2.352	273	82.91	2.350	398	105.66	2.741
23	37.41	1.665	149	60.34	2.359	274	83.09	2.355	399	105.84	2.743
24	37.59	1.669	150	60.53	2.366	275	83.28	2.360	400	106.03	2.745
25	37.78	1.673	151	60.71	2.373	276	83.46	2.365	401	106.21	2.747
26	37.96	1.678	152	60.89	2.380	277	83.64	2.370	402	106.39	2.749
27	38.14	1.682	153	61.07	2.388	278	83.82	2.374	403	106.57	2.751
28	38.32	1.686	154	61.25	2.395	279	84.00	2.379	404	106.75	2.753
29	38.50	1.690	155	61.44	2.402	280	84.19	2.384	405	106.94	2.755
30	38.69	1.695	156	61.62	2.410	281	84.37	2.388	406	107.12	2.757
31	38.87	1.699	157	61.80	2.418	282	84.55	2.393	407	107.30	2.759
32	39.05	1.704	158	61.98	2.425	283	84.73	2.398	408	107.48	2.761
33	39.23	1.709	159	62.16	2.427	284	84.91	2.402	409	107.66	2.763
34	39.41	1.714	160	62.35	2.434	285	85.10	2.407	410	107.85	2.765

35	39.60	1.719	161	62.53	2.441	286	85.28	2.412	411	108.03	2.767
36	39.78	1.724	162	62.71	2.448	287	85.46	2.416	412	108.21	2.770
37	39.96	1.728	163	62.89	2.456	288	85.64	2.421	413	108.39	2.772
38	40.14	1.733	164	63.07	2.463	289	85.82	2.426	414	108.57	2.774
39	40.32	1.738	165	63.26	2.471	290	86.01	2.430	415	108.76	2.776
40	40.51	1.743	166	63.44	2.478	291	86.19	2.435	416	108.94	2.778
41	40.69	1.748	167	63.62	2.486	292	86.37	2.439	417	109.12	2.780
42	40.87	1.753	168	63.80	2.493	293	86.55	2.444	418	109.30	2.782
43	41.05	1.758	169	63.98	2.481	294	86.73	2.448	419	109.48	2.785
44	41.23	1.763	170	64.17	2.484	295	86.92	2.453	420	109.67	2.787
45	41.42	1.768	171	64.35	2.491	296	87.10	2.458	421	109.85	2.789
46	41.60	1.773	172	64.53	2.498	297	87.28	2.462	422	110.03	2.791
47	41.78	1.778	173	64.71	2.506	298	87.46	2.467	423	110.21	2.793
48	41.96	1.783	174	64.89	2.513	299	87.64	2.471	424	110.39	2.796
49	42.14	1.788	175	65.08	2.520	300	87.83	2.476	425	110.58	2.798
50	42.33	1.793	176	65.26	2.528	301	88.01	2.479	426	110.76	2.800
51	42.51	1.798	177	65.44	2.535	302	88.19	2.482	427	110.94	2.802
52	42.69	1.804	178	65.62	2.543	303	88.37	2.485	428	111.12	2.804
53	42.87	1.809	179	65.80	2.550	304	88.55	2.488	429	111.30	2.806
54	43.05	1.814	180	65.99	2.557	305	88.74	2.486	430	111.49	2.809
55	43.24	1.819	181	66.17	2.564	306	88.92	2.489	431	111.67	2.811
56	43.42	1.825	182	66.35	2.572	307	89.10	2.492	432	111.85	2.813
57	43.60	1.830	183	66.53	2.579	308	89.28	2.495	433	112.03	2.815
58	43.78	1.835	184	66.71	2.586	309	89.46	2.498	434	112.21	2.817
59	43.96	1.840	185	66.90	2.593	310	89.65	2.501	435	112.40	2.819
60	44.15	1.845	186	67.08	2.600	311	89.83	2.504	436	112.58	2.821
61	44.33	1.850	187	67.26	2.608	312	90.01	2.507	437	112.76	2.823
62	44.51	1.855	188	67.44	2.615	313	90.19	2.510	438	112.94	2.825
63	44.69	1.860	189	67.62	2.622	314	90.37	2.513	439	113.12	2.827
64	44.87	1.865	190	67.81	2.629	315	90.56	2.515	440	113.31	2.828
65	45.06	1.869	191	67.99	2.636	316	90.74	2.518	441	113.49	2.830
66	45.24	1.874	192	68.17	2.643	317	90.92	2.523	442	113.67	2.832
67	45.42	1.879	193	68.35	2.650	318	91.10	2.526	443	113.85	2.834
68	45.60	1.880	194	68.53	2.657	319	91.28	2.529	444	114.03	2.836
69	45.78	1.884	195	68.72	2.664	320	91.47	2.532	445	114.22	2.838
70	45.97	1.888	196	68.90	2.671	321	91.65	2.535	446	114.40	2.840
71	46.15	1.893	197	69.08	2.678	322	91.83	2.538	447	114.58	2.842
72	46.33	1.897	198	69.26	2.684	323	92.01	2.540	448	114.76	2.844
73	46.51	1.902	199	69.44	2.691	324	92.19	2.543	449	114.94	2.846
74	46.69	1.907	200	69.63	2.698	325	92.38	2.546	450	115.13	2.848
75	46.88	1.909	201	69.81	2.705	326	92.56	2.548	451	115.31	2.850
76	47.06	1.913	202	69.99	2.712	327	92.74	2.551	452	115.49	2.852
77	47.24	1.918	203	70.17	2.719	328	92.92	2.554	453	115.67	2.854
78	47.42	1.922	204	70.35	2.726	329	93.10	2.557	454	115.85	2.856
79	47.60	1.927	205	70.54	2.733	330	93.29	2.560	455	116.04	2.858
80	47.79	1.933	206	70.72	2.740	331	93.47	2.563	456	116.22	2.860
81	47.97	1.938	207	70.90	2.747	332	93.65	2.566	457	116.40	2.863
82	48.15	1.943	208	71.08	2.754	333	93.83	2.568	458	116.58	2.865
83	48.33	1.949	209	71.26	2.761	334	94.01	2.571	459	116.76	2.867
84	48.51	1.955	210	71.45	2.768	335	94.20	2.574	460	116.95	2.870
85	48.70	1.960	211	71.63	2.734	336	94.38	2.577	461	117.13	2.872
86	48.88	1.966	212	71.81	2.737	337	94.56	2.580	462	117.31	2.874

87	49.06	1.972	213	71.99	2.743	338	94.74	2.582	463	117.49	2.877
88	49.24	1.977	214	72.17	2.750	339	94.92	2.585	464	117.67	2.879
89	49.42	1.983	215	72.36	2.757	340	95.11	2.587	465	117.86	2.879
90	49.61	1.989	216	72.54	2.764	341	95.29	2.590	466	118.04	2.875
91	49.79	1.995	217	72.72	2.771	342	95.47	2.593	467	118.22	2.878
92	49.97	2.000	218	72.90	2.778	343	95.65	2.596	468	118.40	2.880
93	50.15	2.006	219	73.08	2.785	344	95.83	2.599	469	118.58	2.883
94	50.33	2.009	220	73.27	2.792	345	96.02	2.601	470	118.77	2.885
95	50.52	2.014	221	73.45	2.800	346	96.20	2.604	471	118.95	2.888
96	50.70	2.019	222	73.63	2.807	347	96.38	2.607	472	119.13	2.891
97	50.88	2.023	223	73.81	2.815	348	96.56	2.610	473	119.31	2.893
98	51.06	2.028	224	73.99	2.822	349	96.74	2.612	474	119.49	2.896
99	51.24	2.032	225	74.18	2.830	350	96.93	2.615	475	119.68	2.899
100	51.43	2.037	226	74.36	2.838	351	97.11	2.618	476	119.86	2.902
101	51.61	2.042	227	74.54	2.846	352	97.29	2.621	477	120.04	2.905
102	51.79	2.046	228	74.72	2.854	353	97.47	2.623	478	120.22	2.907
103	51.97	2.051	229	74.90	2.861	354	97.65	2.626	479	120.40	2.910
104	52.15	2.056	230	75.09	2.869	355	97.84	2.629	480	120.59	2.913
105	52.34	2.061	231	75.27	2.877	356	98.02	2.632	481	120.77	2.916
106	52.52	2.066	232	75.45	2.885	357	98.20	2.635	482	120.95	2.919
107	52.70	2.072	233	75.63	2.892	358	98.38	2.637	483	121.13	2.922
108	52.88	2.077	234	75.81	2.900	359	98.56	2.638	484	121.31	2.925
109	53.06	2.082	235	76.00	2.907	360	98.75	2.640	485	121.50	2.928
110	53.25	2.088	236	76.18	2.914	361	98.93	2.643	486	121.68	2.931
111	53.43	2.093	237	76.36	2.921	362	99.11	2.646	487	121.86	2.934
112	53.61	2.098	238	76.54	2.929	363	99.29	2.649	488	122.04	2.937
113	53.79	2.103	239	76.72	2.936	364	99.47	2.651	489	122.22	2.941
114	53.97	2.108	240	76.91	2.943	365	99.66	2.654	490	122.41	2.944
115	54.16	2.113	241	77.09	2.950	366	99.84	2.657	491	122.59	2.947
116	54.34	2.118	242	77.27	2.957	367	100.02	2.659	492	122.77	2.950
117	54.52	2.123	243	77.45	2.964	368	100.20	2.662	493	122.95	2.954
118	54.70	2.129	244	77.63	2.277	369	100.38	2.665	494	123.13	2.957
119	54.88	2.134	245	77.82	2.217	370	100.57	2.668	495	123.32	2.960
120	55.07	2.150	246	78.00	2.217	371	100.75	2.670	496	123.50	2.964
121	55.25	2.157	247	78.18	2.221	372	100.93	2.673	497	123.68	2.967
122	55.43	2.163	248	78.36	2.226	373	101.11	2.676	498	123.86	2.971
123	55.61	2.169	249	78.54	2.231	374	101.29	2.678	499	124.04	2.916
124	55.79	2.174	250	78.73	2.236	375	101.48	2.681	500	124.23	2.917
125	55.98	2.180	251	78.91	2.241	376	101.66	2.684	501	124.41	2.920
126	56.16	2.185									

1**********

****

****

********** STEADY STATE CBOD INPUT CONDITIONS **********

****

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000

2	33.59	23.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	34.500	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	103.500	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	69.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	103.500	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	23.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	69.000	429	111.30	.000

54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	69.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	69.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	103.500	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	69.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	6.700	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	103.500	212	71.81	.000	337	94.56	103.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	69.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	23.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	103.500	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000

106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	69.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.060	243	77.45	23.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	41.400	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	23.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	4.360
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Summer Projections (Mar-Nov), 3 DO criterion **********

****

********** STEADY STATE CBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 319.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.690	127	56.34	1.372	252	79.09	1.995	377	101.84	3.264
2	33.59	.695	128	56.52	1.381	253	79.27	2.007	378	102.02	3.273
3	33.77	.682	129	56.70	1.391	254	79.45	2.019	379	102.20	3.282
4	33.95	.685	130	56.89	1.401	255	79.64	2.031	380	102.39	3.290
5	34.14	.690	131	57.07	1.411	256	79.82	2.044	381	102.57	3.299
6	34.32	.695	132	57.25	1.421	257	80.00	2.056	382	102.75	3.308
7	34.50	.700	133	57.43	1.432	258	80.18	2.069	383	102.93	3.317
8	34.68	.705	134	57.61	1.442	259	80.36	2.081	384	103.11	3.326
9	34.86	.710	135	57.80	1.453	260	80.55	2.093	385	103.30	3.335
10	35.05	.715	136	57.98	1.134	261	80.73	2.106	386	103.48	3.343
11	35.23	.720	137	58.16	1.079	262	80.91	2.118	387	103.66	3.352
12	35.41	.725	138	58.34	1.075	263	81.09	2.131	388	103.84	3.361
13	35.59	.730	139	58.52	1.081	264	81.27	2.143	389	104.02	3.370
14	35.77	.735	140	58.71	1.089	265	81.46	2.156	390	104.21	3.379
15	35.96	.740	141	58.89	1.097	266	81.64	2.168	391	104.39	3.388
16	36.14	.745	142	59.07	1.106	267	81.82	2.181	392	104.57	3.397
17	36.32	.750	143	59.25	1.114	268	82.00	2.193	393	104.75	3.406

18	36.50	.755	144	59.43	1.123	269	82.18	2.206	394	104.93	3.415
19	36.68	.761	145	59.62	1.132	270	82.37	2.218	395	105.12	3.425
20	36.87	.766	146	59.80	1.141	271	82.55	2.231	396	105.30	3.434
21	37.05	.771	147	59.98	1.151	272	82.73	2.244	397	105.48	3.443
22	37.23	.777	148	60.16	1.160	273	82.91	2.256	398	105.66	3.450
23	37.41	.782	149	60.34	1.170	274	83.09	2.269	399	105.84	3.457
24	37.59	.788	150	60.53	1.179	275	83.28	2.281	400	106.03	3.463
25	37.78	.793	151	60.71	1.189	276	83.46	2.294	401	106.21	3.470
26	37.96	.799	152	60.89	1.199	277	83.64	2.307	402	106.39	3.477
27	38.14	.805	153	61.07	1.209	278	83.82	2.319	403	106.57	3.484
28	38.32	.809	154	61.25	1.219	279	84.00	2.332	404	106.75	3.490
29	38.50	.815	155	61.44	1.230	280	84.19	2.345	405	106.94	3.497
30	38.69	.821	156	61.62	1.240	281	84.37	2.357	406	107.12	3.504
31	38.87	.827	157	61.80	1.251	282	84.55	2.370	407	107.30	3.511
32	39.05	.833	158	61.98	1.262	283	84.73	2.383	408	107.48	3.518
33	39.23	.840	159	62.16	1.266	284	84.91	2.395	409	107.66	3.526
34	39.41	.846	160	62.35	1.276	285	85.10	2.408	410	107.85	3.533
35	39.60	.853	161	62.53	1.286	286	85.28	2.421	411	108.03	3.540
36	39.78	.859	162	62.71	1.297	287	85.46	2.433	412	108.21	3.547
37	39.96	.866	163	62.89	1.308	288	85.64	2.446	413	108.39	3.555
38	40.14	.873	164	63.07	1.319	289	85.82	2.459	414	108.57	3.562
39	40.32	.879	165	63.26	1.330	290	86.01	2.471	415	108.76	3.570
40	40.51	.886	166	63.44	1.341	291	86.19	2.484	416	108.94	3.577
41	40.69	.893	167	63.62	1.352	292	86.37	2.497	417	109.12	3.585
42	40.87	.900	168	63.80	1.363	293	86.55	2.510	418	109.30	3.592
43	41.05	.907	169	63.98	1.364	294	86.73	2.523	419	109.48	3.600
44	41.23	.914	170	64.17	1.373	295	86.92	2.535	420	109.67	3.608
45	41.42	.921	171	64.35	1.384	296	87.10	2.548	421	109.85	3.616
46	41.60	.928	172	64.53	1.395	297	87.28	2.561	422	110.03	3.624
47	41.78	.935	173	64.71	1.406	298	87.46	2.574	423	110.21	3.631
48	41.96	.942	174	64.89	1.417	299	87.64	2.587	424	110.39	3.639
49	42.14	.950	175	65.08	1.429	300	87.83	2.599	425	110.58	3.647
50	42.33	.957	176	65.26	1.440	301	88.01	2.608	426	110.76	3.655
51	42.51	.965	177	65.44	1.452	302	88.19	2.617	427	110.94	3.663
52	42.69	.973	178	65.62	1.463	303	88.37	2.626	428	111.12	3.670
53	42.87	.980	179	65.80	1.475	304	88.55	2.635	429	111.30	3.678
54	43.05	.988	180	65.99	1.486	305	88.74	2.638	430	111.49	3.686
55	43.24	.996	181	66.17	1.498	306	88.92	2.647	431	111.67	3.693
56	43.42	1.004	182	66.35	1.509	307	89.10	2.656	432	111.85	3.701
57	43.60	1.011	183	66.53	1.521	308	89.28	2.664	433	112.03	3.709
58	43.78	1.019	184	66.71	1.533	309	89.46	2.673	434	112.21	3.716
59	43.96	1.027	185	66.90	1.544	310	89.65	2.681	435	112.40	3.724
60	44.15	1.034	186	67.08	1.556	311	89.83	2.690	436	112.58	3.731
61	44.33	1.042	187	67.26	1.568	312	90.01	2.699	437	112.76	3.739
62	44.51	1.050	188	67.44	1.579	313	90.19	2.707	438	112.94	3.746
63	44.69	1.057	189	67.62	1.591	314	90.37	2.716	439	113.12	3.753
64	44.87	1.065	190	67.81	1.603	315	90.56	2.724	440	113.31	3.759
65	45.06	1.072	191	67.99	1.614	316	90.74	2.733	441	113.49	3.766
66	45.24	1.080	192	68.17	1.626	317	90.92	2.744	442	113.67	3.773
67	45.42	1.087	193	68.35	1.638	318	91.10	2.752	443	113.85	3.780
68	45.60	1.090	194	68.53	1.650	319	91.28	2.761	444	114.03	3.787
69	45.78	1.097	195	68.72	1.661	320	91.47	2.770	445	114.22	3.794

70	45.97	1.104	196	68.90	1.673	321	91.65	2.778	446	114.40	3.802
71	46.15	1.112	197	69.08	1.685	322	91.83	2.787	447	114.58	3.809
72	46.33	1.119	198	69.26	1.697	323	92.01	2.795	448	114.76	3.816
73	46.51	1.126	199	69.44	1.709	324	92.19	2.803	449	114.94	3.824
74	46.69	1.134	200	69.63	1.721	325	92.38	2.812	450	115.13	3.831
75	46.88	1.138	201	69.81	1.733	326	92.56	2.820	451	115.31	3.839
76	47.06	1.146	202	69.99	1.745	327	92.74	2.829	452	115.49	3.847
77	47.24	1.153	203	70.17	1.757	328	92.92	2.838	453	115.67	3.855
78	47.42	1.162	204	70.35	1.769	329	93.10	2.846	454	115.85	3.863
79	47.60	1.170	205	70.54	1.781	330	93.29	2.855	455	116.04	3.871
80	47.79	1.178	206	70.72	1.794	331	93.47	2.864	456	116.22	3.879
81	47.97	1.187	207	70.90	1.807	332	93.65	2.872	457	116.40	3.887
82	48.15	1.196	208	71.08	1.819	333	93.83	2.881	458	116.58	3.895
83	48.33	1.206	209	71.26	1.832	334	94.01	2.890	459	116.76	3.904
84	48.51	1.215	210	71.45	1.844	335	94.20	2.898	460	116.95	3.912
85	48.70	1.225	211	71.63	1.824	336	94.38	2.907	461	117.13	3.921
86	48.88	1.235	212	71.81	1.833	337	94.56	2.916	462	117.31	3.930
87	49.06	1.245	213	71.99	1.845	338	94.74	2.923	463	117.49	3.939
88	49.24	1.254	214	72.17	1.857	339	94.92	2.932	464	117.67	3.948
89	49.42	1.265	215	72.36	1.870	340	95.11	2.941	465	117.86	3.954
90	49.61	1.275	216	72.54	1.883	341	95.29	2.949	466	118.04	3.961
91	49.79	1.285	217	72.72	1.896	342	95.47	2.958	467	118.22	3.970
92	49.97	1.294	218	72.90	1.909	343	95.65	2.967	468	118.40	3.980
93	50.15	1.304	219	73.08	1.923	344	95.83	2.975	469	118.58	3.990
94	50.33	1.311	220	73.27	1.936	345	96.02	2.984	470	118.77	3.999
95	50.52	1.319	221	73.45	1.950	346	96.20	2.993	471	118.95	4.009
96	50.70	1.327	222	73.63	1.965	347	96.38	3.002	472	119.13	4.019
97	50.88	1.335	223	73.81	1.979	348	96.56	3.010	473	119.31	4.030
98	51.06	1.344	224	73.99	1.994	349	96.74	3.019	474	119.49	4.040
99	51.24	1.352	225	74.18	2.009	350	96.93	3.028	475	119.68	4.051
100	51.43	1.361	226	74.36	2.024	351	97.11	3.037	476	119.86	4.061
101	51.61	1.369	227	74.54	2.039	352	97.29	3.045	477	120.04	4.072
102	51.79	1.378	228	74.72	2.055	353	97.47	3.054	478	120.22	4.083
103	51.97	1.386	229	74.90	2.070	354	97.65	3.063	479	120.40	4.094
104	52.15	1.396	230	75.09	2.085	355	97.84	3.072	480	120.59	4.105
105	52.34	1.405	231	75.27	2.101	356	98.02	3.081	481	120.77	4.117
106	52.52	1.415	232	75.45	2.116	357	98.20	3.089	482	120.95	4.128
107	52.70	1.425	233	75.63	2.131	358	98.38	3.098	483	121.13	4.140
108	52.88	1.435	234	75.81	2.146	359	98.56	3.105	484	121.31	4.151
109	53.06	1.445	235	76.00	2.161	360	98.75	3.114	485	121.50	4.163
110	53.25	1.455	236	76.18	2.176	361	98.93	3.122	486	121.68	4.175
111	53.43	1.464	237	76.36	2.191	362	99.11	3.131	487	121.86	4.187
112	53.61	1.474	238	76.54	2.205	363	99.29	3.140	488	122.04	4.200
113	53.79	1.484	239	76.72	2.220	364	99.47	3.149	489	122.22	4.212
114	53.97	1.493	240	76.91	2.235	365	99.66	3.158	490	122.41	4.224
115	54.16	1.503	241	77.09	2.249	366	99.84	3.166	491	122.59	4.237
116	54.34	1.513	242	77.27	2.264	367	100.02	3.175	492	122.77	4.250
117	54.52	1.523	243	77.45	2.278	368	100.20	3.184	493	122.95	4.263
118	54.70	1.531	244	77.63	1.934	369	100.38	3.193	494	123.13	4.276
119	54.88	1.541	245	77.82	1.913	370	100.57	3.202	495	123.32	4.290
120	55.07	1.350	246	78.00	1.922	371	100.75	3.211	496	123.50	4.303
121	55.25	1.324	247	78.18	1.934	372	100.93	3.219	497	123.68	4.317

122	55.43	1.326	248	78.36	1.946	373	101.11	3.228	498	123.86	4.331
123	55.61	1.334	249	78.54	1.958	374	101.29	3.237	499	124.04	4.318
124	55.79	1.343	250	78.73	1.970	375	101.48	3.246	500	124.23	4.331
125	55.98	1.353	251	78.91	1.982	376	101.66	3.255	501	124.41	4.345
126	56.16	1.362									

1**********

****

********** **********

********** STEADY STATE DO INPUT CONDITIONS **********

********** **********

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	2.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	2.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	2.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	2.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000

37	39.96	.000	163	62.89	2.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	2.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	2.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	2.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	2.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	2.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	2.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	2.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	5.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	2.000	212	71.81	.000	337	94.56	2.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	2.000

89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	2.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	2.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	2.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.000	243	77.45	2.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	2.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	2.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	5.170
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Summer Projections (Mar-Nov), 3 DO criterion **********

****

********** STEADY STATE DO CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 319.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

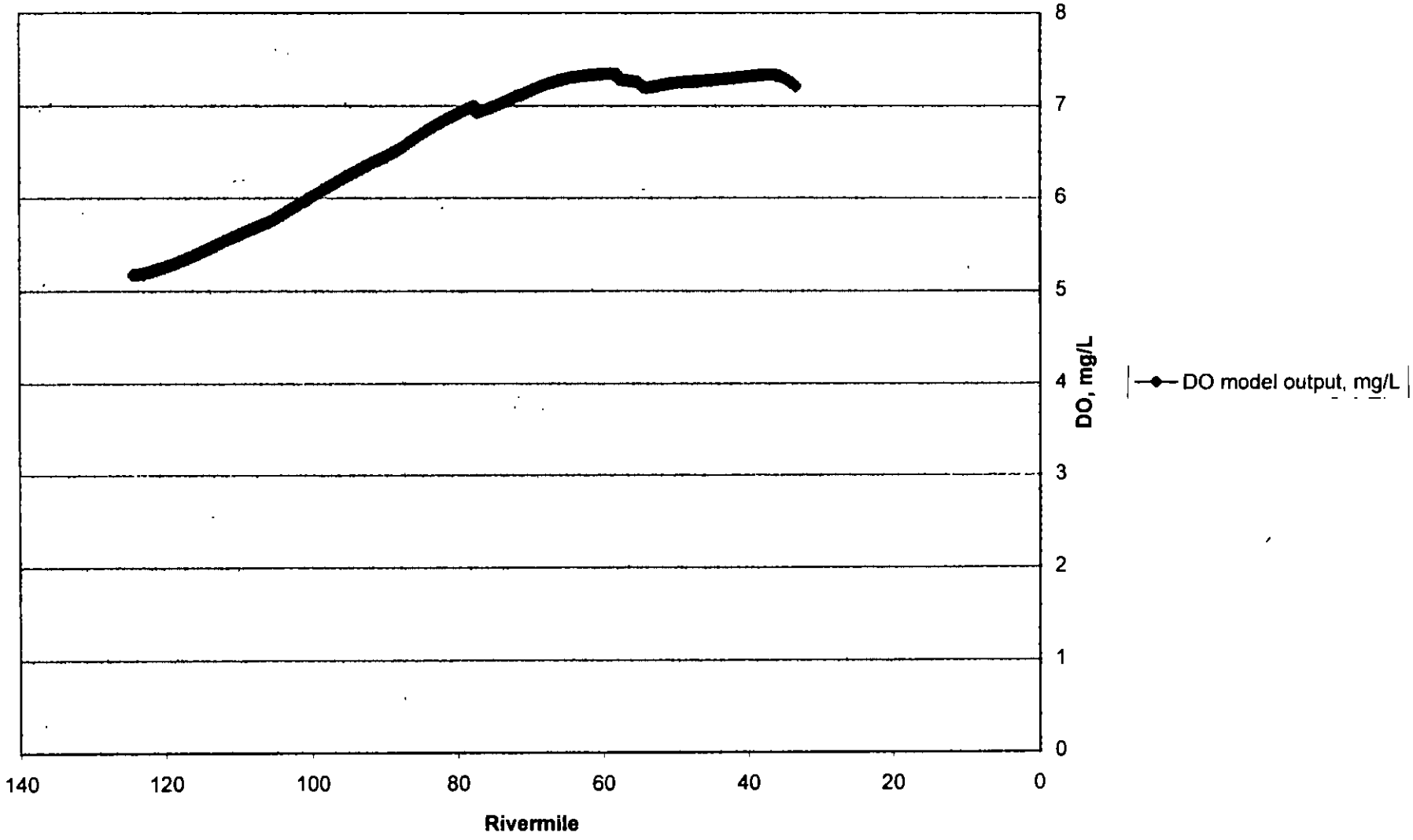
0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE

1	33.41	4.361	127	56.34	4.525	252	79.09	5.621	377	101.84	6.143
2	33.59	4.359	128	56.52	4.530	253	79.27	5.631	378	102.02	6.140
3	33.77	4.359	129	56.70	4.535	254	79.45	5.640	379	102.20	6.136
4	33.95	4.357	130	56.89	4.540	255	79.64	5.650	380	102.39	6.132
5	34.14	4.355	131	57.07	4.546	256	79.82	5.660	381	102.57	6.128
6	34.32	4.353	132	57.25	4.551	257	80.00	5.670	382	102.75	6.124
7	34.50	4.351	133	57.43	4.557	258	80.18	5.680	383	102.93	6.120
8	34.68	4.348	134	57.61	4.563	259	80.36	5.690	384	103.11	6.115
9	34.86	4.346	135	57.80	4.569	260	80.55	5.700	385	103.30	6.111
10	35.05	4.344	136	57.98	4.601	261	80.73	5.710	386	103.48	6.106
11	35.23	4.342	137	58.16	4.610	262	80.91	5.721	387	103.66	6.102
12	35.41	4.339	138	58.34	4.616	263	81.09	5.731	388	103.84	6.097
13	35.59	4.337	139	58.52	4.620	264	81.27	5.742	389	104.02	6.093
14	35.77	4.334	140	58.71	4.624	265	81.46	5.752	390	104.21	6.088
15	35.96	4.332	141	58.89	4.629	266	81.64	5.762	391	104.39	6.084
16	36.14	4.330	142	59.07	4.633	267	81.82	5.773	392	104.57	6.079
17	36.32	4.327	143	59.25	4.638	268	82.00	5.784	393	104.75	6.075
18	36.50	4.325	144	59.43	4.643	269	82.18	5.794	394	104.93	6.071
19	36.68	4.323	145	59.62	4.647	270	82.37	5.805	395	105.12	6.066
20	36.87	4.320	146	59.80	4.653	271	82.55	5.816	396	105.30	6.062
21	37.05	4.318	147	59.98	4.658	272	82.73	5.827	397	105.48	6.058
22	37.23	4.316	148	60.16	4.663	273	82.91	5.838	398	105.66	6.051
23	37.41	4.314	149	60.34	4.669	274	83.09	5.849	399	105.84	6.045
24	37.59	4.312	150	60.53	4.674	275	83.28	5.861	400	106.03	6.039
25	37.78	4.311	151	60.71	4.680	276	83.46	5.872	401	106.21	6.032
26	37.96	4.309	152	60.89	4.686	277	83.64	5.884	402	106.39	6.026
27	38.14	4.307	153	61.07	4.693	278	83.82	5.895	403	106.57	6.020
28	38.32	4.306	154	61.25	4.699	279	84.00	5.907	404	106.75	6.014
29	38.50	4.305	155	61.44	4.706	280	84.19	5.918	405	106.94	6.008
30	38.69	4.304	156	61.62	4.713	281	84.37	5.930	406	107.12	6.003
31	38.87	4.303	157	61.80	4.720	282	84.55	5.941	407	107.30	5.997
32	39.05	4.302	158	61.98	4.727	283	84.73	5.952	408	107.48	5.991
33	39.23	4.301	159	62.16	4.734	284	84.91	5.963	409	107.66	5.985
34	39.41	4.301	160	62.35	4.742	285	85.10	5.974	410	107.85	5.980
35	39.60	4.300	161	62.53	4.749	286	85.28	5.986	411	108.03	5.974
36	39.78	4.300	162	62.71	4.756	287	85.46	5.997	412	108.21	5.969
37	39.96	4.300	163	62.89	4.763	288	85.64	6.008	413	108.39	5.963
38	40.14	4.299	164	63.07	4.771	289	85.82	6.019	414	108.57	5.958
39	40.32	4.299	165	63.26	4.778	290	86.01	6.030	415	108.76	5.953
40	40.51	4.299	166	63.44	4.786	291	86.19	6.041	416	108.94	5.947
41	40.69	4.299	167	63.62	4.793	292	86.37	6.052	417	109.12	5.942
42	40.87	4.299	168	63.80	4.800	293	86.55	6.063	418	109.30	5.937
43	41.05	4.299	169	63.98	4.809	294	86.73	6.074	419	109.48	5.932
44	41.23	4.299	170	64.17	4.817	295	86.92	6.085	420	109.67	5.927
45	41.42	4.298	171	64.35	4.824	296	87.10	6.096	421	109.85	5.921
46	41.60	4.298	172	64.53	4.831	297	87.28	6.107	422	110.03	5.916
47	41.78	4.299	173	64.71	4.839	298	87.46	6.117	423	110.21	5.911
48	41.96	4.299	174	64.89	4.846	299	87.64	6.128	424	110.39	5.905
49	42.14	4.299	175	65.08	4.853	300	87.83	6.139	425	110.58	5.899
50	42.33	4.300	176	65.26	4.860	301	88.01	6.143	426	110.76	5.893
51	42.51	4.301	177	65.44	4.868	302	88.19	6.146	427	110.94	5.886
52	42.69	4.302	178	65.62	4.875	303	88.37	6.149	428	111.12	5.879

53	42.87	4.303	179	65.80	4.882	304	88.55	6.152	429	111.30	5.872
54	43.05	4.305	180	65.99	4.890	305	88.74	6.155	430	111.49	5.864
55	43.24	4.306	181	66.17	4.897	306	88.92	6.158	431	111.67	5.856
56	43.42	4.307	182	66.35	4.904	307	89.10	6.160	432	111.85	5.847
57	43.60	4.308	183	66.53	4.912	308	89.28	6.163	433	112.03	5.838
58	43.78	4.309	184	66.71	4.919	309	89.46	6.165	434	112.21	5.828
59	43.96	4.309	185	66.90	4.926	310	89.65	6.167	435	112.40	5.818
60	44.15	4.310	186	67.08	4.933	311	89.83	6.170	436	112.58	5.807
61	44.33	4.311	187	67.26	4.940	312	90.01	6.172	437	112.76	5.795
62	44.51	4.312	188	67.44	4.948	313	90.19	6.173	438	112.94	5.783
63	44.69	4.313	189	67.62	4.955	314	90.37	6.175	439	113.12	5.770
64	44.87	4.313	190	67.81	4.962	315	90.56	6.177	440	113.31	5.756
65	45.06	4.314	191	67.99	4.969	316	90.74	6.178	441	113.49	5.741
66	45.24	4.314	192	68.17	4.976	317	90.92	6.183	442	113.67	5.725
67	45.42	4.315	193	68.35	4.983	318	91.10	6.184	443	113.85	5.709
68	45.60	4.316	194	68.53	4.990	319	91.28	6.186	444	114.03	5.694
69	45.78	4.316	195	68.72	4.997	320	91.47	6.187	445	114.22	5.678
70	45.97	4.316	196	68.90	5.004	321	91.65	6.189	446	114.40	5.661
71	46.15	4.317	197	69.08	5.011	322	91.83	6.190	447	114.58	5.645
72	46.33	4.317	198	69.26	5.018	323	92.01	6.191	448	114.76	5.629
73	46.51	4.317	199	69.44	5.025	324	92.19	6.192	449	114.94	5.613
74	46.69	4.317	200	69.63	5.032	325	92.38	6.193	450	115.13	5.597
75	46.88	4.318	201	69.81	5.039	326	92.56	6.194	451	115.31	5.582
76	47.06	4.318	202	69.99	5.047	327	92.74	6.195	452	115.49	5.566
77	47.24	4.319	203	70.17	5.054	328	92.92	6.195	453	115.67	5.551
78	47.42	4.321	204	70.35	5.062	329	93.10	6.196	454	115.85	5.535
79	47.60	4.322	205	70.54	5.069	330	93.29	6.196	455	116.04	5.521
80	47.79	4.325	206	70.72	5.077	331	93.47	6.197	456	116.22	5.506
81	47.97	4.327	207	70.90	5.085	332	93.65	6.197	457	116.40	5.492
82	48.15	4.330	208	71.08	5.093	333	93.83	6.198	458	116.58	5.478
83	48.33	4.333	209	71.26	5.101	334	94.01	6.198	459	116.76	5.464
84	48.51	4.337	210	71.45	5.108	335	94.20	6.199	460	116.95	5.451
85	48.70	4.341	211	71.63	5.116	336	94.38	6.199	461	117.13	5.438
86	48.88	4.345	212	71.81	5.123	337	94.56	6.200	462	117.31	5.425
87	49.06	4.350	213	71.99	5.130	338	94.74	6.200	463	117.49	5.412
88	49.24	4.354	214	72.17	5.138	339	94.92	6.200	464	117.67	5.400
89	49.42	4.358	215	72.36	5.146	340	95.11	6.200	465	117.86	5.389
90	49.61	4.363	216	72.54	5.154	341	95.29	6.200	466	118.04	5.378
91	49.79	4.367	217	72.72	5.162	342	95.47	6.200	467	118.22	5.366
92	49.97	4.371	218	72.90	5.171	343	95.65	6.199	468	118.40	5.356
93	50.15	4.375	219	73.08	5.180	344	95.83	6.199	469	118.58	5.345
94	50.33	4.378	220	73.27	5.190	345	96.02	6.198	470	118.77	5.335
95	50.52	4.380	221	73.45	5.200	346	96.20	6.198	471	118.95	5.325
96	50.70	4.382	222	73.63	5.211	347	96.38	6.197	472	119.13	5.315
97	50.88	4.384	223	73.81	5.222	348	96.56	6.196	473	119.31	5.306
98	51.06	4.386	224	73.99	5.233	349	96.74	6.195	474	119.49	5.297
99	51.24	4.388	225	74.18	5.245	350	96.93	6.195	475	119.68	5.288
100	51.43	4.390	226	74.36	5.257	351	97.11	6.194	476	119.86	5.280
101	51.61	4.392	227	74.54	5.269	352	97.29	6.193	477	120.04	5.272
102	51.79	4.394	228	74.72	5.282	353	97.47	6.192	478	120.22	5.264
103	51.97	4.397	229	74.90	5.294	354	97.65	6.191	479	120.40	5.257
104	52.15	4.400	230	75.09	5.307	355	97.84	6.190	480	120.59	5.249

105	52.34	4.404	231	75.27	5.320	356	98.02	6.189	481	120.77	5.243
106	52.52	4.408	232	75.45	5.332	357	98.20	6.188	482	120.95	5.236
107	52.70	4.412	233	75.63	5.345	358	98.38	6.187	483	121.13	5.230
108	52.88	4.417	234	75.81	5.357	359	98.56	6.186	484	121.31	5.223
109	53.06	4.421	235	76.00	5.370	360	98.75	6.184	485	121.50	5.217
110	53.25	4.426	236	76.18	5.382	361	98.93	6.183	486	121.68	5.212
111	53.43	4.430	237	76.36	5.394	362	99.11	6.181	487	121.86	5.206
112	53.61	4.434	238	76.54	5.406	363	99.29	6.179	488	122.04	5.201
113	53.79	4.438	239	76.72	5.419	364	99.47	6.177	489	122.22	5.196
114	53.97	4.442	240	76.91	5.431	365	99.66	6.175	490	122.41	5.192
115	54.16	4.446	241	77.09	5.443	366	99.84	6.173	491	122.59	5.188
116	54.34	4.450	242	77.27	5.455	367	100.02	6.171	492	122.77	5.184
117	54.52	4.455	243	77.45	5.467	368	100.20	6.168	493	122.95	5.181
118	54.70	4.468	244	77.63	5.540	369	100.38	6.166	494	123.13	5.178
119	54.88	4.474	245	77.82	5.555	370	100.57	6.163	495	123.32	5.175
120	55.07	4.492	246	78.00	5.565	371	100.75	6.160	496	123.50	5.173
121	55.25	4.499	247	78.18	5.574	372	100.93	6.158	497	123.68	5.170
122	55.43	4.503	248	78.36	5.584	373	101.11	6.155	498	123.86	5.169
123	55.61	4.507	249	78.54	5.593	374	101.29	6.152	499	124.04	5.172
124	55.79	4.512	250	78.73	5.602	375	101.48	6.149	500	124.23	5.171
125	55.98	4.516	251	78.91	5.612	376	101.66	6.146	501	124.41	5.170
126	56.16	4.521									

Winter Projections, December-February, 5 DO criterion



```
Bayou Teche--Winter Projections (Dec-Feb), 5 DO criterion
!Exclamation points indicate a comment line.
    33.5      124.5    0.000       500
DATA
WIDTH        92      1.0000
!Widths from previous model "Apr 78 calibration"
    1          124.5     126.3
    2          123.5     124.9
    3          122.5     123.5
    4          121.5     122.1
    5          120.5     120.7
    6          119.5     119.3
    7          118.5     117.8
    8          117.5     116.4
    9          116.5     115.0
   10          115.5     113.6
   11          114.5     112.2
   12          113.5     110.8
   13          112.5     109.4
   14          111.5     108.0
   15          110.5     106.6
   16          109.5     105.2
   17          108.5     103.8
   18          107.5     102.4
   19          106.5     101.0
   20          105.5     101.1
   21          104.5     101.6
   22          103.5     102.2
   23          102.5     103.0
   24          101.5     103.9
   25          100.5     104.8
   26           99.5     105.6
   27           98.5     106.5
   28           97.5     107.3
   29           96.5     108.2
   30           95.5     109.0
   31           94.5     109.9
   32           93.5     110.7
   33           92.5     111.6
   34           91.5     112.4
   35           90.5     113.3
   36           89.5     114.2
   37           88.5     115.1
   38           87.5     115.9
   39           86.5     116.8
   40           85.5     117.5
   41           84.5     118.3
   42           83.5     119.1
   43           82.5     119.9
   44           81.5     120.7
   45           80.5     121.4
   46           79.5     122.2
   47           78.5     123.0
   48           77.5     123.8
   49           76.5     124.8
   50           75.5     125.9
   51           74.5     127.0
   52           73.5     127.9
   53           72.5     128.8
   54           71.5     129.4
   55           70.5     126.2
   56           69.5     126.2
   57           68.5     125.2
   58           67.5     123.3
   59           66.5     121.4
   60           65.5     119.5
   61           64.5     117.6
   62           63.5     115.7
   63           62.5     113.7
   64           61.5     111.9
   65           60.5     110.3
```

```
    66          59.5      108.7
    67          58.5      107.1
    68          57.5      105.5
    69          56.5      103.9
    70          55.5      102.2
    71          54.5      100.6
    72          53.5      100.6
    73          52.5      101.5
    74          51.5      102.5
    75          50.5      103.4
    76          49.5      104.4
    77          48.5      105.7
    78          47.5      106.7
    79          46.5      107.2
    80          45.5      108.2
    81          44.5      109.1
    82          43.5      110.0
    83          42.5      111.0
    84          41.5      111.9
    85          40.5      112.9
    86          39.5      113.8
    87          38.5      114.8
    88          37.5      115.7
    89          36.5      116.7
    90          35.5      117.6
    91          34.5      118.6
    92          33.5      119.5
DEPTH        92      1.000
!Depths from previous model "Apr 78 calibration"
     1         124.5       18.0
     2         123.5       17.5
     3         122.5       17.0
     4         121.5       16.6
     5         120.5       16.1
     6         119.5       15.6
     7         118.5       15.1
     8         117.5       14.7
     9         116.5       14.2
    10         115.5       13.7
    11         114.5       13.3
    12         113.5       13.0
    13         112.5       13.0
    14         111.5       13.0
    15         110.5       13.0
    16         109.5       13.0
    17         108.5       13.0
    18         107.5       13.0
    19         106.5       13.0
    20         105.5       12.6
    21         104.5       12.0
    22         103.5       11.5
    23         102.5       11.5
    24         101.5       11.5
    25         100.5       11.5
    26          99.5       11.5
    27          98.5       11.5
    28          97.5       11.5
    29          96.5       11.5
    30          95.5       11.5
    31          94.5       11.5
    32          93.5       11.5
    33          92.5       11.5
    34          91.5       11.5
    35          90.5       11.5
    36          89.5       11.0
    37          88.5       10.5
    38          87.5       10.0
    39          86.5        9.9
    40          85.5       10.1
    41          84.5       10.2
    42          83.5       10.4
```

```
   43          82.5      10.6
   44          81.5      10.8
   45          80.5      10.9
   46          79.5      11.1
   47          78.5      11.3
   48          77.5      11.4
   49          76.5      11.1
   50          75.5      10.5
   51          74.5      10.0
   52          73.5       9.3
   53          72.5       8.7
   54          71.5       8.2
   55          70.5       8.2
   56          69.5       8.2
   57          68.5       8.4
   58          67.5       8.9
   59          66.5       9.3
   60          65.5       9.8
   61          64.5      10.2
   62          63.5      10.7
   63          62.5      11.1
   64          61.5      11.6
   65          60.5      12.3
   66          59.5      12.9
   67          58.5      13.6
   68          57.5      14.2
   69          56.5      14.9
   70          55.5      15.5
   71          54.5      16.1
   72          53.5       9.7
   73          52.5       8.2
   74          51.5       9.3
   75          50.5      10.0
   76          49.5      10.5
   77          48.5      11.9
   78          47.5      11.7
   79          46.5      11.8
   80          45.5      11.8
   81          44.5      11.8
   82          43.5      11.8
   83          42.5      11.8
   84          41.5      11.8
   85          40.5      11.9
   86          39.5      12.3
   87          38.5      12.6
   88          37.5      12.9
   89          36.5      16.5
   90          35.5      23.2
   91          34.5      29.9
   92          33.5      36.6
!Temp is the average 90th percentile of sites 0030 & 0031 for December-February:
TEMP          1     1.0000
    1          0.00      15.9
PHOTO         1     1.000
    1          0.000     0.00
RESP          1     1.000
    1          0.000     0.00
!SATDO @ 15.9 deg C:
SATDO         1     1.000
    1          0.00      9.9
EVAP          1     1.000
    1          0.000     0.00
SEDI          2     1.000
    1          124.5     0.00
    2           55.0      1.0
!0.1 sq mi/day=32.3 sq ft/s.  0.2 sq mi/day=64.5 sq ft/s:
DISP          6     1.000
    1          124.5     32.3
    2           71.5     32.3
    3           70.5     64.5
    4           45.5     64.5
```

```
    5            44.5      32.3
    6            33.5      32.3
COXY            1      1.000
    1           0.00       0.120
CSED            1      1.000
    1           0.000      0.000
NOXY            1      1.000
    1           0.00       0.030
NSED            1      1.000
    1           0.000      0.000
NONPFLOW        1      1.000
    1           0.000      0.000
NONPNBOD        1      1.000
    1           0.000      0.00
NONPCBOD        1      1.000
    1           0.000      0.00
NONPDO          1      1.000
    1           0.000      0.00
C-REAER         4      1.000
MINI-KL         2.3
STOP
FLOW
SENS            1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
                124.5        604
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
                123.9      0.967
!St. Landry Parish Sewer District #1, LA0057401:
               117.81     0.0928
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
               117.69     0.0302
!St. Landry Parish School Board, Leonville High School, LAG540689:
               113.13     0.0152
!Bayou Fusilier outflow=10th percentile flow from USGS Station 07386200:
               105.57                    169
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
                98.44     0.0174
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
                94.62     0.0058
!Dallas Trailer Park, LAG530160:
                91.78    0.00464
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                 90.7     0.3481
!Bent Oak Trailer Park, LAG540911:
                88.61     0.0342
!Ruth Canal outflow=10th percentile flow from USGS Station 07386700:
                87.88                     93
!St. Martin Parish Police Jury, LA0043991:
                77.52      5.802
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
                71.36        2.3
!Loreauville, Village of, LA0038440:
                63.73     0.1934
!Breaux's Bay Craft Inc., LAG530854:
                 62.9     0.0025
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97     0.0367
!Cajun Sugar Coop Inc, LA0004171:
                57.85      3.868
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89      1.934
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54     0.5802
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44     0.7156
!Bayou Side Trailer Park, LAG530055:
                50.24     0.0093
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86     0.0019
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65     0.0167
```

```
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
                45.41     0.0231
!Yellow Bowl Restaurant, LAG530611:
                 38.2     0.0070
!Cypress Bayou Casino, LA0098710:
                33.64     0.2901
STOP
NBOD
SENS            1.000      1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!NBOD from site 10 sample during Bayou Courtableau survey (TKN*4.3):
                124.5        604      2.924
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
                123.9      0.967       43.0
!St. Landry Parish Sewer District #1, LA0057401:
               117.81     0.0928       43.0
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
               117.69     0.0302       64.5
!St. Landry Parish School Board, Leonville High School, LAG540689:
               113.13     0.0152       64.5
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
                98.44     0.0174       64.5
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
                94.62     0.0058       64.5
!Dallas Trailer Park, LAG530160:
                91.78    0.00464       64.5
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                 90.7     0.3481        0.0
!Bent Oak Trailer Park, LAG540911:
                88.61     0.0342       64.5
!St. Martin Parish Police Jury, LA0043991:
                77.52      5.802       43.0
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!NBOD from previous model APR 78 calibration (used NBOD at the Teche/Tortue confluence):
                71.36        2.3        8.8
!Loreauville, Village of; LA0038440:
                63.73     0.1934       43.0
!Breaux's Bay Craft Inc., LAG530854:
                 62.9     0.0025       64.5
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97     0.0367       64.5
!Cajun Sugar Coop Inc, LA0004171:
                57.85      3.868        0.0
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89      1.934        0.0
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54     0.5802      4.128
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44     0.7156        0.0
!Bayou Side Trailer Park, LAG530055:
                50.24     0.0093       64.5
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86     0.0019       64.5
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65     0.0167       64.5
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
                45.41     0.0231       64.5
!Yellow Bowl Restaurant, LAG530611:
                 38.2     0.0070       64.5
!Cypress Bayou Casino, LA0098710:
                33.64     0.2901       43.0
STOP
CBOD
SENS            1.000      1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!CBOD from site 10 sample during Bayou Courtableau survey; used GSBOD program:
                124.5        604       4.36
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
                123.9      0.967       23.0
!St. Landry Parish Sewer District #1, LA0057401:
               117.81     0.0928       23.0
```

```
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
              117.69    0.0302        69
!St. Landry Parish School Board, Leonville High School, LAG540689:
              113.13    0.0152        69
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
               98.44    0.0174        69
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
               94.62    0.0058     103.5
!Dallas Trailer Park, LAG530160:
               91.78   0.00464     103.5
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                90.7    0.3481       0.0
!Bent Oak Trailer Park, LAG540911:
               88.61    0.0342        69
!St. Martin Parish Police Jury, LA0043991:
               77.52     5.802     23.0
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!CBOD from previous model APR 78 calibration (used CBOD at the Teche/Tortue confluence):
               71.36       2.3      6.70
!Loreauville, Village of; LA0038440:
               63.73    0.1934      23.0
!Breaux's Bay Craft Inc., LAG530854:
                62.9    0.0025     103.5
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
               61.97    0.0367        69
!Cajun Sugar Coop Inc, LA0004171:
               57.85     3.868      34.5
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
               54.89     1.934      41.4
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
               54.54    0.5802       4.6
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
               54.44    0.7156       0.0
!Bayou Side Trailer Park, LAG530055:
               50.24    0.0093     103.5
!Mosquito Control Contractors Inc (MCCI), LA0100650:
               48.86    0.0019     103.5
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
               46.65    0.0167        69
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
               45.41    0.0231        69
!Yellow Bowl Restaurant, LAG530611:
                38.2    0.0070     103.5
!Cypress Bayou Casino, LA0098710:
               33.64    0.2901      23.0
STOP
DO
SENS           1.000     1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!DO from site 10 sample during Bayou Courtableau survey:
               124.5       604      5.17
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
               123.9     0.967       2.0
!St. Landry Parish Sewer District #1, LA0057401:
              117.81    0.0928       2.0
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
              117.69    0.0302       2.0
!St. Landry Parish School Board, Leonville High School, LAG540689:
              113.13    0.0152       2.0
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
               98.44    0.0174       2.0
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
               94.62    0.0058       2.0
!Dallas Trailer Park, LAG530160:
               91.78   0.00464       2.0
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                90.7    0.3481       2.0
!Bent Oak Trailer Park, LAG540911:
               88.61    0.0342       2.0
!St. Martin Parish Police Jury, LA0043991:
               77.52     5.802       2.0
```

```
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!DO from previous model APR 78 calibration (used DO at the Teche/Tortue confluence):
                71.36       2.3       5.00
!Loreauville, Village of; LA0038440:
                63.73    0.1934       2.0
!Breaux's Bay Craft Inc., LAG530854:
                 62.9    0.0025       2.0
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97    0.0367       2.0
!Cajun Sugar Coop Inc, LA0004171:
                57.85     3.868       2.0
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89     1.934       2.0
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54    0.5802       2.0
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44    0.7156       2.0
!Bayou Side Trailer Park, LAG530055:
                50.24    0.0093       2.0
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86    0.0019       2.0
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65    0.0167       2.0
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
                45.41    0.0231       2.0
!Yellow Bowl Restaurant, LAG530611:
                 38.2    0.0070       2.0
!Cypress Bayou Casino, LA0098710:
                33.64    0.2901       2.0
STOP
HALT
```

```
1CLIWS 1.05*****************************************************************************************************************
*****************************************************************************************************************************
   LLL                 III     MMM         MMM     NNN      NNN       OOOOOOOOOOO         SSSSSSSSSSSSS       SSSSSSSSSSSSS
   LLL                 III     MMMM       MMMM     NNNN     NNN      OOOOOOOOOOOOO       SSSSSSSSSSSSSS      SSSSSSSSSSSSSS
   LLL                 III     MMMMM     MMMMM     NNNNN    NNN     OOOOOOOOOOOOOOO     SS                  SS
   LLL                 III     MMMMMM   MMMMMM     NNNNNN   NNN     OOO         OOO     SSSSSSSSSSSSS       SSSSSSSSSSSSS
   LLL                 III     MMM MMM MMM MMM     NNN NNN  NNN     OOO         OOO      SSSSSSSSSSSSS        SSSSSSSSSSSSS
   LLL                 III     MMM  MMMMM  MMM     NNN  NNN NNN     OOO         OOO                SSSS                SSSS
   LLL                 III     MMM   MMM   MMM     NNN   NNNNNN     OOO         OOO                SSSS                SSSS
   LLLLLLLLLLLLLL      III     MMM    M    MMM     NNN    NNNNN     OOOOOOOOOOOOOOO     SSSSSSSSSSSSSSS     SSSSSSSSSSSSSSS
   LLLLLLLLLLLLLL      III     MMM         MMM     NNN     NNNN      OOOOOOOOOOOOO      SSSSSSSSSSSSSS      SSSSSSSSSSSSSS
   LLLLLLLLLLLLLL      III     MMM         MMM     NNN      NNN       OOOOOOOOOOO       SSSSSSSSSSSSS       SSSSSSSSSSSSS
*****************************************************************************************************************************
*****************************************************************************************************************************
 RUN DATE  11/16/99
 RUN TIME 17:18:57
0********************     STEADY STATE WATER QUALITY MODEL
 ********************
 ********************     RUN TITLE.....Bayou Teche--Winter Projections (Dec-Feb), 5 DO criterion
 ********************
 ********************
 ********************     BASIC NETWORK DATA
 ********************     RIVER MILE AT DOWNSTREAM END...     33.50
 ********************     RIVER MILE AT UPSTREAM END.....    124.50
 ********************     RIVER MILE OF FALL LINE........       .00
 ********************     NUMBER OF SECTIONS.............       500
1*****************************************************************************************************************************
 *****************************************************************************************************************************
 ***********************************                                                   ***********************************
 ***********************************     E S T U A R Y / S T R E A M  I N P U T  D A T A     ***********************************
 ***********************************                                                   ***********************************
 *****************************************************************************************************************************
 *****************************************************************************************************************************
0********************     JUNCT*N WIDTHS (FT)     ********************
```

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	119.500	127	56.34	103.630	252	79.09	122.527	377	101.84	103.593
2	33.59	119.418	128	56.52	103.937	253	79.27	122.382	378	102.02	103.430
3	33.77	119.254	129	56.70	104.228	254	79.45	122.236	379	102.20	103.266
4	33.95	119.090	130	56.89	104.519	255	79.64	122.091	380	102.39	103.102
5	34.14	118.927	131	57.07	104.810	256	79.82	121.945	381	102.57	102.945
6	34.32	118.763	132	57.25	105.101	257	80.00	121.799	382	102.75	102.799
7	34.50	118.599	133	57.43	105.393	258	80.18	121.654	383	102.93	102.654
8	34.68	118.417	134	57.61	105.684	259	80.36	121.508	384	103.11	102.508
9	34.86	118.235	135	57.80	105.975	260	80.55	121.367	385	103.30	102.363
10	35.05	118.053	136	57.98	106.266	261	80.73	121.240	386	103.48	102.217
11	35.23	117.871	137	58.16	106.557	262	80.91	121.112	387	103.66	102.104
12	35.41	117.689	138	58.34	106.849	263	81.09	120.985	388	103.84	101.994
13	35.59	117.516	139	58.52	107.140	264	81.27	120.858	389	104.02	101.885
14	35.77	117.353	140	58.71	107.431	265	81.46	120.730	390	104.21	101.776
15	35.96	117.189	141	58.89	107.722	266	81.64	120.589	391	104.39	101.667
16	36.14	117.025	142	59.07	108.013	267	81.82	120.443	392	104.57	101.565

17	36.32	116.861	143	59.25	108.305	268	82.00	120.298	393	104.75	101.474
18	36.50	116.697	144	59.43	108.596	269	82.18	120.152	394	104.93	101.383
19	36.68	116.515	145	59.62	108.887	270	82.37	120.007	395	105.12	101.292
20	36.87	116.333	146	59.80	109.178	271	82.55	119.861	396	105.30	101.201
21	37.05	116.151	147	59.98	109.469	272	82.73	119.715	397	105.48	101.110
22	37.23	115.969	148	60.16	109.761	273	82.91	119.570	398	105.66	101.084
23	37.41	115.787	149	60.34	110.052	274	83.09	119.424	399	105.84	101.066
24	37.59	115.615	150	60.53	110.343	275	83.28	119.279	400	106.03	101.047
25	37.78	115.451	151	60.71	110.634	276	83.46	119.133	401	106.21	101.029
26	37.96	115.287	152	60.89	110.925	277	83.64	118.987	402	106.39	101.011
27	38.14	115.123	153	61.07	111.217	278	83.82	118.842	403	106.57	101.102
28	38.32	114.959	154	61.25	111.508	279	84.00	118.696	404	106.75	101.357
29	38.50	114.795	155	61.44	111.799	280	84.19	118.551	405	106.94	101.611
30	38.69	114.613	156	61.62	112.114	281	84.37	118.405	406	107.12	101.866
31	38.87	114.431	157	61.80	112.442	282	84.55	118.259	407	107.30	102.121
32	39.05	114.249	158	61.98	112.769	283	84.73	118.114	408	107.48	102.376
33	39.23	114.067	159	62.16	113.097	284	84.91	117.968	409	107.66	102.631
34	39.41	113.885	160	62.35	113.424	285	85.10	117.823	410	107.85	102.885
35	39.60	113.713	161	62.53	113.758	286	85.28	117.677	411	108.03	103.140
36	39.78	113.549	162	62.71	114.122	287	85.46	117.531	412	108.21	103.395
37	39.96	113.385	163	62.89	114.486	288	85.64	117.400	413	108.39	103.650
38	40.14	113.221	164	63.07	114.850	289	85.82	117.273	414	108.57	103.905
39	40.32	113.058	165	63.26	115.214	290	86.01	117.145	415	108.76	104.159
40	40.51	112.893	166	63.44	115.578	291	86.19	117.018	416	108.94	104.414
41	40.69	112.711	167	63.62	115.930	292	86.37	116.890	417	109.12	104.669
42	40.87	112.529	168	63.80	116.275	293	86.55	116.753	418	109.30	104.924
43	41.05	112.347	169	63.98	116.621	294	86.73	116.589	419	109.48	105.179
44	41.23	112.165	170	64.17	116.967	295	86.92	116.425	420	109.67	105.433
45	41.42	111.983	171	64.35	117.313	296	87.10	116.261	421	109.85	105.688
46	41.60	111.811	172	64.53	117.659	297	87.28	116.097	422	110.03	105.943
47	41.78	111.647	173	64.71	118.004	298	87.46	115.934	423	110.21	106.198
48	41.96	111.483	174	64.89	118.350	299	87.64	115.784	424	110.39	106.453
49	42.14	111.320	175	65.08	118.696	300	87.83	115.639	425	110.58	106.707
50	42.33	111.156	176	65.26	119.042	301	88.01	115.493	426	110.76	106.962
51	42.51	110.991	177	65.44	119.388	302	88.19	115.347	427	110.94	107.217
52	42.69	110.809	178	65.62	119.733	303	88.37	115.202	428	111.12	107.472
53	42.87	110.627	179	65.80	120.079	304	88.55	115.051	429	111.30	107.727
54	43.05	110.445	180	65.99	120.425	305	88.74	114.887	430	111.49	107.981
55	43.24	110.263	181	66.17	120.771	306	88.92	114.723	431	111.67	108.236
56	43.42	110.081	182	66.35	121.117	307	89.10	114.559	432	111.85	108.491
57	43.60	109.909	183	66.53	121.462	308	89.28	114.396	433	112.03	108.746
58	43.78	109.745	184	66.71	121.808	309	89.46	114.232	434	112.21	109.001
59	43.96	109.582	185	66.90	122.154	310	89.65	114.068	435	112.40	109.255
60	44.15	109.418	186	67.08	122.500	311	89.83	113.904	436	112.58	109.510
61	44.33	109.254	187	67.26	122.846	312	90.01	113.740	437	112.76	109.765
62	44.51	109.090	188	67.44	123.191	313	90.19	113.577	438	112.94	110.020
63	44.69	108.926	189	67.62	123.537	314	90.37	113.413	439	113.12	110.275
64	44.87	108.763	190	67.81	123.883	315	90.56	113.249	440	113.31	110.529
65	45.06	108.599	191	67.99	124.229	316	90.74	113.085	441	113.49	110.784
66	45.24	108.435	192	68.17	124.575	317	90.92	112.921	442	113.67	111.039
67	45.42	108.271	193	68.35	124.920	318	91.10	112.758	443	113.85	111.294
68	45.60	108.097	194	68.53	125.235	319	91.28	112.594	444	114.03	111.549

69	45.78	107.915	195	68.72	125.417	320	91.47	112.430	445	114.22	111.803
70	45.97	107.733	196	68.90	125.599	321	91.65	112.281	446	114.40	112.058
71	46.15	107.551	197	69.08	125.781	322	91.83	112.135	447	114.58	112.313
72	46.33	107.369	198	69.26	125.963	323	92.01	111.990	448	114.76	112.568
73	46.51	107.194	199	69.44	126.145	324	92.19	111.844	449	114.94	112.823
74	46.69	107.103	200	69.63	126.200	325	92.38	111.699	450	115.13	113.077
75	46.88	107.012	201	69.81	126.200	326	92.56	111.547	451	115.31	113.332
76	47.06	106.921	202	69.99	126.200	327	92.74	111.383	452	115.49	113.587
77	47.24	106.830	203	70.17	126.200	328	92.92	111.220	453	115.67	113.842
78	47.42	106.739	204	70.35	126.200	329	93.10	111.056	454	115.85	114.097
79	47.60	106.595	205	70.54	126.318	330	93.29	110.892	455	116.04	114.351
80	47.79	106.413	206	70.72	126.900	331	93.47	110.728	456	116.22	114.606
81	47.97	106.231	207	70.90	127.483	332	93.65	110.579	457	116.40	114.861
82	48.15	106.049	208	71.08	128.065	333	93.83	110.434	458	116.58	115.116
83	48.33	105.867	209	71.26	128.647	334	94.01	110.288	459	116.76	115.370
84	48.51	105.681	210	71.45	129.230	335	94.20	110.143	460	116.95	115.625
85	48.70	105.444	211	71.63	129.323	336	94.38	109.997	461	117.13	115.880
86	48.88	105.207	212	71.81	129.214	337	94.56	109.845	462	117.31	116.135
87	49.06	104.971	213	71.99	129.104	338	94.74	109.682	463	117.49	116.390
88	49.24	104.734	214	72.17	128.995	339	94.92	109.518	464	117.67	116.644
89	49.42	104.498	215	72.36	128.886	340	95.11	109.354	465	117.86	116.899
90	49.61	104.293	216	72.54	128.765	341	95.29	109.190	466	118.04	117.154
91	49.79	104.111	217	72.72	128.601	342	95.47	109.026	467	118.22	117.409
92	49.97	103.929	218	72.90	128.437	343	95.65	108.878	468	118.40	117.664
93	50.15	103.747	219	73.08	128.274	344	95.83	108.732	469	118.58	117.927
94	50.33	103.565	220	73.27	128.110	345	96.02	108.587	470	118.77	118.200
95	50.52	103.385	221	73.45	127.946	346	96.20	108.441	471	118.95	118.473
96	50.70	103.221	222	73.63	127.782	347	96.38	108.295	472	119.13	118.746
97	50.88	103.057	223	73.81	127.618	348	96.56	108.144	473	119.31	119.019
98	51.06	102.893	224	73.99	127.455	349	96.74	107.980	474	119.49	119.292
99	51.24	102.730	225	74.18	127.291	350	96.93	107.816	475	119.68	119.547
100	51.43	102.566	226	74.36	127.127	351	97.11	107.652	476	119.86	119.802
101	51.61	102.391	227	74.54	126.955	352	97.29	107.488	477	120.04	120.057
102	51.79	102.209	228	74.72	126.755	353	97.47	107.325	478	120.22	120.312
103	51.97	102.027	229	74.90	126.555	354	97.65	107.176	479	120.40	120.566
104	52.15	101.845	230	75.09	126.354	355	97.84	107.031	480	120.59	120.821
105	52.34	101.663	231	75.27	126.154	356	98.02	106.885	481	120.77	121.076
106	52.52	101.483	232	75.45	125.954	357	98.20	106.739	482	120.95	121.331
107	52.70	101.319	233	75.63	125.754	358	98.38	106.594	483	121.13	121.586
108	52.88	101.155	234	75.81	125.554	359	98.56	106.442	484	121.31	121.840
109	53.06	100.992	235	76.00	125.354	360	98.75	106.278	485	121.50	122.095
110	53.25	100.828	236	76.18	125.153	361	98.93	106.114	486	121.68	122.350
111	53.43	100.664	237	76.36	124.953	362	99.11	105.950	487	121.86	122.605
112	53.61	100.600	238	76.54	124.757	363	99.29	105.787	488	122.04	122.860
113	53.79	100.600	239	76.72	124.575	364	99.47	105.623	489	122.22	123.114
114	53.97	100.600	240	76.91	124.393	365	99.66	105.475	490	122.41	123.369
115	54.16	100.600	241	77.09	124.211	366	99.84	105.329	491	122.59	123.624
116	54.34	100.600	242	77.27	124.029	367	100.02	105.183	492	122.77	123.879
117	54.52	100.633	243	77.45	123.847	368	100.20	105.038	493	122.95	124.134
118	54.70	100.925	244	77.63	123.692	369	100.38	104.892	494	123.13	124.388
119	54.88	101.216	245	77.82	123.547	370	100.57	104.740	495	123.32	124.643
120	55.07	101.507	246	78.00	123.401	371	100.75	104.576	496	123.50	124.898

121	55.25	101.798	247	78.18	123.255	372	100.93	104.412	497	123.68	125.153
122	55.43	102.089	248	78.36	123.110	373	101.11	104.249	498	123.86	125.408
123	55.61	102.392	249	78.54	122.964	374	101.29	104.085	499	124.04	125.662
124	55.79	102.701	250	78.73	122.819	375	101.48	103.921	500	124.23	125.917
125	55.98	103.011	251	78.91	122.673	376	101.66	103.757	501	124.41	126.172
126	56.16	103.320									

0********** JUNCTION SURFACE AREAS (SQFT) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.148E+05	127	56.34	9.958E+04	252	79.09	1.177E+05	377	101.84	9.955E+04
2	33.59	1.148E+05	128	56.52	9.988E+04	253	79.27	1.176E+05	378	102.02	9.939E+04
3	33.77	1.146E+05	129	56.70	1.002E+05	254	79.45	1.175E+05	379	102.20	9.923E+04
4	33.95	1.144E+05	130	56.89	1.004E+05	255	79.64	1.173E+05	380	102.39	9.908E+04
5	34.14	1.143E+05	131	57.07	1.007E+05	256	79.82	1.172E+05	381	102.57	9.893E+04
6	34.32	1.141E+05	132	57.25	1.010E+05	257	80.00	1.170E+05	382	102.75	9.879E+04
7	34.50	1.140E+05	133	57.43	1.013E+05	258	80.18	1.169E+05	383	102.93	9.865E+04
8	34.68	1.138E+05	134	57.61	1.016E+05	259	80.36	1.168E+05	384	103.11	9.851E+04
9	34.86	1.136E+05	135	57.80	1.018E+05	260	80.55	1.166E+05	385	103.30	9.837E+04
10	35.05	1.134E+05	136	57.98	1.021E+05	261	80.73	1.165E+05	386	103.48	9.823E+04
11	35.23	1.133E+05	137	58.16	1.024E+05	262	80.91	1.164E+05	387	103.66	9.812E+04
12	35.41	1.131E+05	138	58.34	1.027E+05	263	81.09	1.163E+05	388	103.84	9.801E+04
13	35.59	1.129E+05	139	58.52	1.030E+05	264	81.27	1.161E+05	389	104.02	9.791E+04
14	35.77	1.128E+05	140	58.71	1.032E+05	265	81.46	1.160E+05	390	104.21	9.780E+04
15	35.96	1.126E+05	141	58.89	1.035E+05	266	81.64	1.159E+05	391	104.39	9.770E+04
16	36.14	1.125E+05	142	59.07	1.038E+05	267	81.82	1.157E+05	392	104.57	9.760E+04
17	36.32	1.123E+05	143	59.25	1.041E+05	268	82.00	1.156E+05	393	104.75	9.751E+04
18	36.50	1.121E+05	144	59.43	1.044E+05	269	82.18	1.155E+05	394	104.93	9.742E+04
19	36.68	1.120E+05	145	59.62	1.046E+05	270	82.37	1.153E+05	395	105.12	9.734E+04
20	36.87	1.118E+05	146	59.80	1.049E+05	271	82.55	1.152E+05	396	105.30	9.725E+04
21	37.05	1.116E+05	147	59.98	1.052E+05	272	82.73	1.150E+05	397	105.48	9.716E+04
22	37.23	1.114E+05	148	60.16	1.055E+05	273	82.91	1.149E+05	398	105.66	9.714E+04
23	37.41	1.113E+05	149	60.34	1.058E+05	274	83.09	1.148E+05	399	105.84	9.712E+04
24	37.59	1.111E+05	150	60.53	1.060E+05	275	83.28	1.146E+05	400	106.03	9.710E+04
25	37.78	1.109E+05	151	60.71	1.063E+05	276	83.46	1.145E+05	401	106.21	9.708E+04
26	37.96	1.108E+05	152	60.89	1.066E+05	277	83.64	1.143E+05	402	106.39	9.707E+04
27	38.14	1.106E+05	153	61.07	1.069E+05	278	83.82	1.142E+05	403	106.57	9.715E+04
28	38.32	1.105E+05	154	61.25	1.072E+05	279	84.00	1.141E+05	404	106.75	9.740E+04
29	38.50	1.103E+05	155	61.44	1.074E+05	280	84.19	1.139E+05	405	106.94	9.764E+04
30	38.69	1.101E+05	156	61.62	1.077E+05	281	84.37	1.138E+05	406	107.12	9.789E+04
31	38.87	1.100E+05	157	61.80	1.081E+05	282	84.55	1.136E+05	407	107.30	9.813E+04
32	39.05	1.098E+05	158	61.98	1.084E+05	283	84.73	1.135E+05	408	107.48	9.838E+04
33	39.23	1.096E+05	159	62.16	1.087E+05	284	84.91	1.134E+05	409	107.66	9.862E+04
34	39.41	1.094E+05	160	62.35	1.090E+05	285	85.10	1.132E+05	410	107.85	9.887E+04
35	39.60	1.093E+05	161	62.53	1.093E+05	286	85.28	1.131E+05	411	108.03	9.911E+04
36	39.78	1.091E+05	162	62.71	1.097E+05	287	85.46	1.129E+05	412	108.21	9.936E+04
37	39.96	1.090E+05	163	62.89	1.100E+05	288	85.64	1.128E+05	413	108.39	9.960E+04
38	40.14	1.088E+05	164	63.07	1.104E+05	289	85.82	1.127E+05	414	108.57	9.985E+04
39	40.32	1.086E+05	165	63.26	1.107E+05	290	86.01	1.126E+05	415	108.76	1.001E+05
40	40.51	1.085E+05	166	63.44	1.111E+05	291	86.19	1.124E+05	416	108.94	1.003E+05
41	40.69	1.083E+05	167	63.62	1.114E+05	292	86.37	1.123E+05	417	109.12	1.006E+05
42	40.87	1.081E+05	168	63.80	1.117E+05	293	86.55	1.122E+05	418	109.30	1.008E+05
43	41.05	1.080E+05	169	63.98	1.121E+05	294	86.73	1.120E+05	419	109.48	1.011E+05

44	41.23	1.078E+05	170	64.17	1.124E+05	295	86.92	1.119E+05	420	109.67	1.013E+05
45	41.42	1.076E+05	171	64.35	1.127E+05	296	87.10	1.117E+05	421	109.85	1.016E+05
46	41.60	1.074E+05	172	64.53	1.131E+05	297	87.28	1.116E+05	422	110.03	1.018E+05
47	41.78	1.073E+05	173	64.71	1.134E+05	298	87.46	1.114E+05	423	110.21	1.021E+05
48	41.96	1.071E+05	174	64.89	1.137E+05	299	87.64	1.113E+05	424	110.39	1.023E+05
49	42.14	1.070E+05	175	65.08	1.141E+05	300	87.83	1.111E+05	425	110.58	1.025E+05
50	42.33	1.068E+05	176	65.26	1.144E+05	301	88.01	1.110E+05	426	110.76	1.028E+05
51	42.51	1.067E+05	177	65.44	1.147E+05	302	88.19	1.108E+05	427	110.94	1.030E+05
52	42.69	1.065E+05	178	65.62	1.151E+05	303	88.37	1.107E+05	428	111.12	1.033E+05
53	42.87	1.063E+05	179	65.80	1.154E+05	304	88.55	1.106E+05	429	111.30	1.035E+05
54	43.05	1.061E+05	180	65.99	1.157E+05	305	88.74	1.104E+05	430	111.49	1.038E+05
55	43.24	1.060E+05	181	66.17	1.161E+05	306	88.92	1.102E+05	431	111.67	1.040E+05
56	43.42	1.058E+05	182	66.35	1.164E+05	307	89.10	1.101E+05	432	111.85	1.043E+05
57	43.60	1.056E+05	183	66.53	1.167E+05	308	89.28	1.099E+05	433	112.03	1.045E+05
58	43.78	1.055E+05	184	66.71	1.171E+05	309	89.46	1.098E+05	434	112.21	1.047E+05
59	43.96	1.053E+05	185	66.90	1.174E+05	310	89.65	1.096E+05	435	112.40	1.050E+05
60	44.15	1.051E+05	186	67.08	1.177E+05	311	89.83	1.095E+05	436	112.58	1.052E+05
61	44.33	1.050E+05	187	67.26	1.180E+05	312	90.01	1.093E+05	437	112.76	1.055E+05
62	44.51	1.048E+05	188	67.44	1.184E+05	313	90.19	1.091E+05	438	112.94	1.057E+05
63	44.69	1.047E+05	189	67.62	1.187E+05	314	90.37	1.090E+05	439	113.12	1.060E+05
64	44.87	1.045E+05	190	67.81	1.190E+05	315	90.56	1.088E+05	440	113.31	1.062E+05
65	45.06	1.044E+05	191	67.99	1.194E+05	316	90.74	1.087E+05	441	113.49	1.065E+05
66	45.24	1.042E+05	192	68.17	1.197E+05	317	90.92	1.085E+05	442	113.67	1.067E+05
67	45.42	1.040E+05	193	68.35	1.200E+05	318	91.10	1.084E+05	443	113.85	1.069E+05
68	45.60	1.039E+05	194	68.53	1.203E+05	319	91.28	1.082E+05	444	114.03	1.072E+05
69	45.78	1.037E+05	195	68.72	1.205E+05	320	91.47	1.080E+05	445	114.22	1.074E+05
70	45.97	1.035E+05	196	68.90	1.207E+05	321	91.65	1.079E+05	446	114.40	1.077E+05
71	46.15	1.034E+05	197	69.08	1.209E+05	322	91.83	1.078E+05	447	114.58	1.079E+05
72	46.33	1.032E+05	198	69.26	1.210E+05	323	92.01	1.076E+05	448	114.76	1.082E+05
73	46.51	1.030E+05	199	69.44	1.212E+05	324	92.19	1.075E+05	449	114.94	1.084E+05
74	46.69	1.029E+05	200	69.63	1.213E+05	325	92.38	1.073E+05	450	115.13	1.087E+05
75	46.88	1.028E+05	201	69.81	1.213E+05	326	92.56	1.072E+05	451	115.31	1.089E+05
76	47.06	1.027E+05	202	69.99	1.213E+05	327	92.74	1.070E+05	452	115.49	1.092E+05
77	47.24	1.027E+05	203	70.17	1.213E+05	328	92.92	1.069E+05	453	115.67	1.094E+05
78	47.42	1.026E+05	204	70.35	1.213E+05	329	93.10	1.067E+05	454	115.85	1.096E+05
79	47.60	1.024E+05	205	70.54	1.214E+05	330	93.29	1.066E+05	455	116.04	1.099E+05
80	47.79	1.023E+05	206	70.72	1.219E+05	331	93.47	1.064E+05	456	116.22	1.101E+05
81	47.97	1.021E+05	207	70.90	1.225E+05	332	93.65	1.063E+05	457	116.40	1.104E+05
82	48.15	1.019E+05	208	71.08	1.231E+05	333	93.83	1.061E+05	458	116.58	1.106E+05
83	48.33	1.017E+05	209	71.26	1.236E+05	334	94.01	1.060E+05	459	116.76	1.109E+05
84	48.51	1.016E+05	210	71.45	1.242E+05	335	94.20	1.058E+05	460	116.95	1.111E+05
85	48.70	1.013E+05	211	71.63	1.243E+05	336	94.38	1.057E+05	461	117.13	1.114E+05
86	48.88	1.011E+05	212	71.81	1.242E+05	337	94.56	1.056E+05	462	117.31	1.116E+05
87	49.06	1.009E+05	213	71.99	1.241E+05	338	94.74	1.054E+05	463	117.49	1.118E+05
88	49.24	1.006E+05	214	72.17	1.240E+05	339	94.92	1.052E+05	464	117.67	1.121E+05
89	49.42	1.004E+05	215	72.36	1.239E+05	340	95.11	1.051E+05	465	117.86	1.123E+05
90	49.61	1.002E+05	216	72.54	1.237E+05	341	95.29	1.049E+05	466	118.04	1.126E+05
91	49.79	1.000E+05	217	72.72	1.236E+05	342	95.47	1.048E+05	467	118.22	1.128E+05
92	49.97	9.987E+04	218	72.90	1.234E+05	343	95.65	1.046E+05	468	118.40	1.131E+05
93	50.15	9.970E+04	219	73.08	1.233E+05	344	95.83	1.045E+05	469	118.58	1.133E+05
94	50.33	9.952E+04	220	73.27	1.231E+05	345	96.02	1.043E+05	470	118.77	1.136E+05
95	50.52	9.935E+04	221	73.45	1.230E+05	346	96.20	1.042E+05	471	118.95	1.138E+05

96	50.70	9.919E+04	222	73.63	1.228E+05	347	96.38	1.041E+05	472	119.13	1.141E+05
97	50.88	9.903E+04	223	73.81	1.226E+05	348	96.56	1.039E+05	473	119.31	1.144E+05
98	51.06	9.888E+04	224	73.99	1.225E+05	349	96.74	1.038E+05	474	119.49	1.146E+05
99	51.24	9.872E+04	225	74.18	1.223E+05	350	96.93	1.036E+05	475	119.68	1.149E+05
100	51.43	9.856E+04	226	74.36	1.222E+05	351	97.11	1.034E+05	476	119.86	1.151E+05
101	51.61	9.839E+04	227	74.54	1.220E+05	352	97.29	1.033E+05	477	120.04	1.154E+05
102	51.79	9.822E+04	228	74.72	1.218E+05	353	97.47	1.031E+05	478	120.22	1.156E+05
103	51.97	9.804E+04	229	74.90	1.216E+05	354	97.65	1.030E+05	479	120.40	1.159E+05
104	52.15	9.787E+04	230	75.09	1.214E+05	355	97.84	1.029E+05	480	120.59	1.161E+05
105	52.34	9.769E+04	231	75.27	1.212E+05	356	98.02	1.027E+05	481	120.77	1.163E+05
106	52.52	9.752E+04	232	75.45	1.210E+05	357	98.20	1.026E+05	482	120.95	1.166E+05
107	52.70	9.736E+04	233	75.63	1.208E+05	358	98.38	1.024E+05	483	121.13	1.168E+05
108	52.88	9.721E+04	234	75.81	1.207E+05	359	98.56	1.023E+05	484	121.31	1.171E+05
109	53.06	9.705E+04	235	76.00	1.205E+05	360	98.75	1.021E+05	485	121.50	1.173E+05
110	53.25	9.689E+04	236	76.18	1.203E+05	361	98.93	1.020E+05	486	121.68	1.176E+05
111	53.43	9.673E+04	237	76.36	1.201E+05	362	99.11	1.018E+05	487	121.86	1.178E+05
112	53.61	9.667E+04	238	76.54	1.199E+05	363	99.29	1.017E+05	488	122.04	1.181E+05
113	53.79	9.667E+04	239	76.72	1.197E+05	364	99.47	1.015E+05	489	122.22	1.183E+05
114	53.97	9.667E+04	240	76.91	1.195E+05	365	99.66	1.014E+05	490	122.41	1.186E+05
115	54.16	9.667E+04	241	77.09	1.194E+05	366	99.84	1.012E+05	491	122.59	1.188E+05
116	54.34	9.667E+04	242	77.27	1.192E+05	367	100.02	1.011E+05	492	122.77	1.190E+05
117	54.52	9.670E+04	243	77.45	1.190E+05	368	100.20	1.009E+05	493	122.95	1.193E+05
118	54.70	9.698E+04	244	77.63	1.189E+05	369	100.38	1.008E+05	494	123.13	1.195E+05
119	54.88	9.726E+04	245	77.82	1.187E+05	370	100.57	1.007E+05	495	123.32	1.198E+05
120	55.07	9.754E+04	246	78.00	1.186E+05	371	100.75	1.005E+05	496	123.50	1.200E+05
121	55.25	9.782E+04	247	78.18	1.184E+05	372	100.93	1.003E+05	497	123.68	1.203E+05
122	55.43	9.810E+04	248	78.36	1.183E+05	373	101.11	1.002E+05	498	123.86	1.205E+05
123	55.61	9.839E+04	249	78.54	1.182E+05	374	101.29	1.000E+05	499	124.04	1.208E+05
124	55.79	9.869E+04	250	78.73	1.180E+05	375	101.48	9.986E+04	500	124.23	1.210E+05
125	55.98	9.899E+04	251	78.91	1.179E+05	376	101.66	9.971E+04	501	124.41	1.212E+05
126	56.16	9.929E+04									

0********** A3 COEFFICIENT FOR FLOW EQUATION -REPRESENTS DEPTH OF FLOW IF A1 AND/OR A2 ARE **********
********** NOT SPECIFIED (OR ARE ZERO) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	36.600	127	56.34	14.995	252	79.09	11.182	377	101.84	11.500
2	33.59	35.990	128	56.52	14.884	253	79.27	11.145	378	102.02	11.500
3	33.77	34.771	129	56.70	14.757	254	79.45	11.109	379	102.20	11.500
4	33.95	33.552	130	56.89	14.629	255	79.64	11.073	380	102.39	11.500
5	34.14	32.332	131	57.07	14.502	256	79.82	11.036	381	102.57	11.500
6	34.32	31.113	132	57.25	14.374	257	80.00	11.000	382	102.75	11.500
7	34.50	29.893	133	57.43	14.247	258	80.18	10.963	383	102.93	11.500
8	34.68	28.674	134	57.61	14.131	259	80.36	10.927	384	103.11	11.500
9	34.86	27.455	135	57.80	14.022	260	80.55	10.895	385	103.30	11.500
10	35.05	26.235	136	57.98	13.913	261	80.73	10.877	386	103.48	11.500
11	35.23	25.016	137	58.16	13.803	262	80.91	10.859	387	103.66	11.580
12	35.41	23.796	138	58.34	13.694	263	81.09	10.841	388	103.84	11.671
13	35.59	22.577	139	58.52	13.583	264	81.27	10.823	389	104.02	11.762
14	35.77	21.358	140	58.71	13.455	265	81.46	10.804	390	104.21	11.853
15	35.96	20.138	141	58.89	13.328	266	81.64	10.772	391	104.39	11.944
16	36.14	18.919	142	59.07	13.200	267	81.82	10.736	392	104.57	12.042
17	36.32	17.699	143	59.25	13.073	268	82.00	10.699	393	104.75	12.152

18	36.50	16.489	144	59.43	12.946	269	82.18	10.663	394	104.93	12.261
19	36.68	15.834	145	59.62	12.830	270	82.37	10.627	395	105.12	12.370
20	36.87	15.179	146	59.80	12.721	271	82.55	10.590	396	105.30	12.479
21	37.05	14.524	147	59.98	12.611	272	82.73	10.554	397	105.48	12.588
22	37.23	13.868	148	60.16	12.502	273	82.91	10.517	398	105.66	12.665
23	37.41	13.213	149	60.34	12.393	274	83.09	10.481	399	105.84	12.738
24	37.59	12.872	150	60.53	12.281	275	83.28	10.445	400	106.03	12.811
25	37.78	12.817	151	60.71	12.154	276	83.46	10.408	401	106.21	12.883
26	37.96	12.762	152	60.89	12.026	277	83.64	10.372	402	106.39	12.956
27	38.14	12.708	153	61.07	11.899	278	83.82	10.335	403	106.57	13.000
28	38.32	12.653	154	61.25	11.772	279	84.00	10.299	404	106.75	13.000
29	38.50	12.599	155	61.44	11.644	280	84.19	10.263	405	106.94	13.000
30	38.69	12.544	156	61.62	11.541	281	84.37	10.226	406	107.12	13.000
31	38.87	12.489	157	61.80	11.450	282	84.55	10.195	407	107.30	13.000
32	39.05	12.435	158	61.98	11.359	283	84.73	10.177	408	107.48	13.000
33	39.23	12.380	159	62.16	11.268	284	84.91	10.159	409	107.66	13.000
34	39.41	12.326	160	62.35	11.177	285	85.10	10.140	410	107.85	13.000
35	39.60	12.261	161	62.53	11.088	286	85.28	10.122	411	108.03	13.000
36	39.78	12.188	162	62.71	11.016	287	85.46	10.104	412	108.21	13.000
37	39.96	12.116	163	62.89	10.943	288	85.64	10.071	413	108.39	13.000
38	40.14	12.043	164	63.07	10.870	289	85.82	10.035	414	108.57	13.000
39	40.32	11.970	165	63.26	10.797	290	86.01	9.999	415	108.76	13.000
40	40.51	11.899	166	63.44	10.724	291	86.19	9.962	416	108.94	13.000
41	40.69	11.881	167	63.62	10.640	292	86.37	9.926	417	109.12	13.000
42	40.87	11.863	168	63.80	10.549	293	86.55	9.905	418	109.30	13.000
43	41.05	11.845	169	63.98	10.458	294	86.73	9.923	419	109.48	13.000
44	41.23	11.827	170	64.17	10.367	295	86.92	9.942	420	109.67	13.000
45	41.42	11.808	171	64.35	10.276	296	87.10	9.960	421	109.85	13.000
46	41.60	11.800	172	64.53	10.188	297	87.28	9.978	422	110.03	13.000
47	41.78	11.800	173	64.71	10.115	298	87.46	9.996	423	110.21	13.000
48	41.96	11.800	174	64.89	10.042	299	87.64	10.072	424	110.39	13.000
49	42.14	11.800	175	65.08	9.969	300	87.83	10.163	425	110.58	13.000
50	42.33	11.800	176	65.26	9.896	301	88.01	10.254	426	110.76	13.000
51	42.51	11.800	177	65.44	9.824	302	88.19	10.345	427	110.94	13.000
52	42.69	11.800	178	65.62	9.739	303	88.37	10.436	428	111.12	13.000
53	42.87	11.800	179	65.80	9.648	304	88.55	10.527	429	111.30	13.000
54	43.05	11.800	180	65.99	9.557	305	88.74	10.618	430	111.49	13.000
55	43.24	11.800	181	66.17	9.466	306	88.92	10.709	431	111.67	13.000
56	43.42	11.800	182	66.35	9.375	307	89.10	10.800	432	111.85	13.000
57	43.60	11.800	183	66.53	9.287	308	89.28	10.891	433	112.03	13.000
58	43.78	11.800	184	66.71	9.214	309	89.46	10.982	434	112.21	13.000
59	43.96	11.800	185	66.90	9.141	310	89.65	11.073	435	112.40	13.000
60	44.15	11.800	186	67.08	9.068	311	89.83	11.164	436	112.58	13.000
61	44.33	11.800	187	67.26	8.996	312	90.01	11.255	437	112.76	13.000
62	44.51	11.800	188	67.44	8.923	313	90.19	11.346	438	112.94	13.000
63	44.69	11.800	189	67.62	8.838	314	90.37	11.437	439	113.12	13.000
64	44.87	11.800	190	67.81	8.747	315	90.56	11.500	440	113.31	13.000
65	45.06	11.800	191	67.99	8.656	316	90.74	11.500	441	113.49	13.000
66	45.24	11.800	192	68.17	8.565	317	90.92	11.500	442	113.67	13.051
67	45.42	11.800	193	68.35	8.474	318	91.10	11.500	443	113.85	13.106
68	45.60	11.800	194	68.53	8.393	319	91.28	11.500	444	114.03	13.160
69	45.78	11.800	195	68.72	8.357	320	91.47	11.500	445	114.22	13.215

70	45.97	11.800	196	68.90	8.320	321	91.65	11.500	446	114.40	13.270
71	46.15	11.800	197	69.08	8.284	322	91.83	11.500	447	114.58	13.332
72	46.33	11.800	198	69.26	8.247	323	92.01	11.500	448	114.76	13.405
73	46.51	11.799	199	69.44	8.211	324	92.19	11.500	449	114.94	13.478
74	46.69	11.781	200	69.63	8.200	325	92.38	11.500	450	115.13	13.551
75	46.88	11.762	201	69.81	8.200	326	92.56	11.500	451	115.31	13.623
76	47.06	11.744	202	69.99	8.200	327	92.74	11.500	452	115.49	13.696
77	47.24	11.726	203	70.17	8.200	328	92.92	11.500	453	115.67	13.786
78	47.42	11.708	204	70.35	8.200	329	93.10	11.500	454	115.85	13.877
79	47.60	11.721	205	70.54	8.200	330	93.29	11.500	455	116.04	13.968
80	47.79	11.757	206	70.72	8.200	331	93.47	11.500	456	116.22	14.059
81	47.97	11.794	207	70.90	8.200	332	93.65	11.500	457	116.40	14.150
82	48.15	11.830	208	71.08	8.200	333	93.83	11.500	458	116.58	14.241
83	48.33	11.867	209	71.26	8.200	334	94.01	11.500	459	116.76	14.332
84	48.51	11.879	210	71.45	8.200	335	94.20	11.500	460	116.95	14.423
85	48.70	11.624	211	71.63	8.264	336	94.38	11.500	461	117.13	14.514
86	48.88	11.369	212	71.81	8.355	337	94.56	11.500	462	117.31	14.605
87	49.06	11.115	213	71.99	8.446	338	94.74	11.500	463	117.49	14.696
88	49.24	10.860	214	72.17	8.537	339	94.92	11.500	464	117.67	14.770
89	49.42	10.605	215	72.36	8.628	340	95.11	11.500	465	117.86	14.843
90	49.61	10.447	216	72.54	8.723	341	95.29	11.500	466	118.04	14.915
91	49.79	10.356	217	72.72	8.832	342	95.47	11.500	467	118.22	14.988
92	49.97	10.265	218	72.90	8.942	343	95.65	11.500	468	118.40	15.061
93	50.15	10.174	219	73.08	9.051	344	95.83	11.500	469	118.58	15.142
94	50.33	10.083	220	73.27	9.160	345	96.02	11.500	470	118.77	15.233
95	50.52	9.988	221	73.45	9.269	346	96.20	11.500	471	118.95	15.324
96	50.70	9.861	222	73.63	9.392	347	96.38	11.500	472	119.13	15.415
97	50.88	9.733	223	73.81	9.519	348	96.56	11.500	473	119.31	15.506
98	51.06	9.606	224	73.99	9.646	349	96.74	11.500	474	119.49	15.597
99	51.24	9.479	225	74.18	9.774	350	96.93	11.500	475	119.68	15.688
100	51.43	9.351	226	74.36	9.901	351	97.11	11.500	476	119.86	15.779
101	51.61	9.180	227	74.54	10.020	352	97.29	11.500	477	120.04	15.870
102	51.79	8.980	228	74.72	10.111	353	97.47	11.500	478	120.22	15.961
103	51.97	8.780	229	74.90	10.202	354	97.65	11.500	479	120.40	16.052
104	52.15	8.580	230	75.09	10.293	355	97.84	11.500	480	120.59	16.143
105	52.34	8.379	231	75.27	10.384	356	98.02	11.500	481	120.77	16.234
106	52.52	8.228	232	75.45	10.475	357	98.20	11.500	482	120.95	16.325
107	52.70	8.501	233	75.63	10.580	358	98.38	11.500	483	121.13	16.416
108	52.88	8.774	234	75.81	10.689	359	98.56	11.500	484	121.31	16.507
109	53.06	9.047	235	76.00	10.798	360	98.75	11.500	485	121.50	16.598
110	53.25	9.320	236	76.18	10.907	361	98.93	11.500	486	121.68	16.671
111	53.43	9.593	237	76.36	11.016	362	99.11	11.500	487	121.86	16.744
112	53.61	10.410	238	76.54	11.113	363	99.29	11.500	488	122.04	16.817
113	53.79	11.575	239	76.72	11.167	364	99.47	11.500	489	122.22	16.890
114	53.97	12.739	240	76.91	11.222	365	99.66	11.500	490	122.41	16.963
115	54.16	13.904	241	77.09	11.277	366	99.84	11.500	491	122.59	17.044
116	54.34	15.069	242	77.27	11.331	367	100.02	11.500	492	122.77	17.135
117	54.52	16.087	243	77.45	11.386	368	100.20	11.500	493	122.95	17.226
118	54.70	15.978	244	77.63	11.387	369	100.38	11.500	494	123.13	17.317
119	54.88	15.869	245	77.82	11.368	370	100.57	11.500	495	123.32	17.408
120	55.07	15.760	246	78.00	11.350	371	100.75	11.500	496	123.50	17.499
121	55.25	15.651	247	78.18	11.332	372	100.93	11.500	497	123.68	17.590

122	55.43	15.541	248	78.36	11.314	373	101.11	11.500	498	123.86	17.681
123	55.61	15.432	249	78.54	11.291	374	101.29	11.500	499	124.04	17.772
124	55.79	15.323	250	78.73	11.255	375	101.48	11.500	500	124.23	17.863
125	55.98	15.214	251	78.91	11.218	376	101.66	11.500	501	124.41	17.954
126	56.16	15.105									

0********** JUNCTION WATER TEMPERATURES (DEG-C) **********

ALL VALUES = 15.900

0********** INPUTED OXYGEN SATURATION CONCENTRATIONS (PPM) **********

ALL VALUES = 9.900

0********** NET EVAPORATION - RAINFALL (IN/MO) **********

ALL VALUES = 0.000E+00

0********** OXYGEN UPTAKE OF SEDIMENTS (GM 02/SQM/DAY) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.769	127	56.34	.755	252	79.09	.503	377	101.84	.251
2	33.59	.769	128	56.52	.753	253	79.27	.501	378	102.02	.249
3	33.77	.769	129	56.70	.751	254	79.45	.499	379	102.20	.247
4	33.95	.769	130	56.89	.749	255	79.64	.497	380	102.39	.245
5	34.14	.769	131	57.07	.747	256	79.82	.495	381	102.57	.243
6	34.32	.769	132	57.25	.745	257	80.00	.493	382	102.75	.241
7	34.50	.769	133	57.43	.743	258	80.18	.491	383	102.93	.239
8	34.68	.769	134	57.61	.741	259	80.36	.489	384	103.11	.237
9	34.86	.769	135	57.80	.739	260	80.55	.487	385	103.30	.235
10	35.05	.769	136	57.98	.736	261	80.73	.485	386	103.48	.233
11	35.23	.769	137	58.16	.734	262	80.91	.483	387	103.66	.231
12	35.41	.769	138	58.34	.732	263	81.09	.481	388	103.84	.229
13	35.59	.769	139	58.52	.730	264	81.27	.479	389	104.02	.227
14	35.77	.769	140	58.71	.728	265	81.46	.477	390	104.21	.225
15	35.96	.769	141	58.89	.726	266	81.64	.475	391	104.39	.223
16	36.14	.769	142	59.07	.724	267	81.82	.473	392	104.57	.221
17	36.32	.769	143	59.25	.722	268	82.00	.471	393	104.75	.219
18	36.50	.769	144	59.43	.720	269	82.18	.468	394	104.93	.217
19	36.68	.769	145	59.62	.718	270	82.37	.466	395	105.12	.215
20	36.87	.769	146	59.80	.716	271	82.55	.464	396	105.30	.213
21	37.05	.769	147	59.98	.714	272	82.73	.462	397	105.48	.211
22	37.23	.769	148	60.16	.712	273	82.91	.460	398	105.66	.209
23	37.41	.769	149	60.34	.710	274	83.09	.458	399	105.84	.207
24	37.59	.769	150	60.53	.708	275	83.28	.456	400	106.03	.205
25	37.78	.769	151	60.71	.706	276	83.46	.454	401	106.21	.203
26	37.96	.769	152	60.89	.704	277	83.64	.452	402	106.39	.200
27	38.14	.769	153	61.07	.702	278	83.82	.450	403	106.57	.198
28	38.32	.769	154	61.25	.700	279	84.00	.448	404	106.75	.196
29	38.50	.769	155	61.44	.698	280	84.19	.446	405	106.94	.194
30	38.69	.769	156	61.62	.696	281	84.37	.444	406	107.12	.192
31	38.87	.769	157	61.80	.694	282	84.55	.442	407	107.30	.190
32	39.05	.769	158	61.98	.692	283	84.73	.440	408	107.48	.188
33	39.23	.769	159	62.16	.690	284	84.91	.438	409	107.66	.186
34	39.41	.769	160	62.35	.688	285	85.10	.436	410	107.85	.184
35	39.60	.769	161	62.53	.686	286	85.28	.434	411	108.03	.182
36	39.78	.769	162	62.71	.684	287	85.46	.432	412	108.21	.180
37	39.96	.769	163	62.89	.682	288	85.64	.430	413	108.39	.178
38	40.14	.769	164	63.07	.680	289	85.82	.428	414	108.57	.176

39	40.32	.769	165	63.26	.678	290	86.01	.426	415	108.76	.174
40	40.51	.769	166	63.44	.676	291	86.19	.424	416	108.94	.172
41	40.69	.769	167	63.62	.674	292	86.37	.422	417	109.12	.170
42	40.87	.769	168	63.80	.672	293	86.55	.420	418	109.30	.168
43	41.05	.769	169	63.98	.670	294	86.73	.418	419	109.48	.166
44	41.23	.769	170	64.17	.668	295	86.92	.416	420	109.67	.164
45	41.42	.769	171	64.35	.666	296	87.10	.414	421	109.85	.162
46	41.60	.769	172	64.53	.664	297	87.28	.412	422	110.03	.160
47	41.78	.769	173	64.71	.662	298	87.46	.410	423	110.21	.158
48	41.96	.769	174	64.89	.660	299	87.64	.408	424	110.39	.156
49	42.14	.769	175	65.08	.658	300	87.83	.406	425	110.58	.154
50	42.33	.769	176	65.26	.656	301	88.01	.404	426	110.76	.152
51	42.51	.769	177	65.44	.654	302	88.19	.402	427	110.94	.150
52	42.69	.769	178	65.62	.652	303	88.37	.400	428	111.12	.148
53	42.87	.769	179	65.80	.650	304	88.55	.398	429	111.30	.146
54	43.05	.769	180	65.99	.648	305	88.74	.396	430	111.49	.144
55	43.24	.769	181	66.17	.646	306	88.92	.394	431	111.67	.142
56	43.42	.769	182	66.35	.644	307	89.10	.392	432	111.85	.140
57	43.60	.769	183	66.53	.642	308	89.28	.390	433	112.03	.138
58	43.78	.769	184	66.71	.640	309	89.46	.388	434	112.21	.136
59	43.96	.769	185	66.90	.638	310	89.65	.386	435	112.40	.134
60	44.15	.769	186	67.08	.636	311	89.83	.384	436	112.58	.132
61	44.33	.769	187	67.26	.634	312	90.01	.382	437	112.76	.130
62	44.51	.769	188	67.44	.632	313	90.19	.380	438	112.94	.128
63	44.69	.769	189	67.62	.630	314	90.37	.378	439	113.12	.126
64	44.87	.769	190	67.81	.628	315	90.56	.376	440	113.31	.124
65	45.06	.769	191	67.99	.626	316	90.74	.374	441	113.49	.122
66	45.24	.769	192	68.17	.624	317	90.92	.372	442	113.67	.120
67	45.42	.769	193	68.35	.622	318	91.10	.370	443	113.85	.118
68	45.60	.769	194	68.53	.620	319	91.28	.368	444	114.03	.116
69	45.78	.769	195	68.72	.618	320	91.47	.366	445	114.22	.114
70	45.97	.769	196	68.90	.616	321	91.65	.364	446	114.40	.112
71	46.15	.769	197	69.08	.614	322	91.83	.362	447	114.58	.110
72	46.33	.769	198	69.26	.612	323	92.01	.360	448	114.76	.108
73	46.51	.769	199	69.44	.610	324	92.19	.358	449	114.94	.106
74	46.69	.769	200	69.63	.608	325	92.38	.356	450	115.13	.104
75	46.88	.769	201	69.81	.606	326	92.56	.354	451	115.31	.102
76	47.06	.769	202	69.99	.604	327	92.74	.352	452	115.49	.100
77	47.24	.769	203	70.17	.601	328	92.92	.350	453	115.67	.098
78	47.42	.769	204	70.35	.599	329	93.10	.348	454	115.85	.096
79	47.60	.769	205	70.54	.597	330	93.29	.346	455	116.04	.094
80	47.79	.769	206	70.72	.595	331	93.47	.344	456	116.22	.092
81	47.97	.769	207	70.90	.593	332	93.65	.342	457	116.40	.090
82	48.15	.769	208	71.08	.591	333	93.83	.340	458	116.58	.088
83	48.33	.769	209	71.26	.589	334	94.01	.338	459	116.76	.086
84	48.51	.769	210	71.45	.587	335	94.20	.336	460	116.95	.084
85	48.70	.769	211	71.63	.585	336	94.38	.333	461	117.13	.082
86	48.88	.769	212	71.81	.583	337	94.56	.331	462	117.31	.080
87	49.06	.769	213	71.99	.581	338	94.74	.329	463	117.49	.078
88	49.24	.769	214	72.17	.579	339	94.92	.327	464	117.67	.076
89	49.42	.769	215	72.36	.577	340	95.11	.325	465	117.86	.074
90	49.61	.769	216	72.54	.575	341	95.29	.323	466	118.04	.072

91	49.79	.769	217	72.72	.573	342	95.47	.321	467	118.22	.070
92	49.97	.769	218	72.90	.571	343	95.65	.319	468	118.40	.068
93	50.15	.769	219	73.08	.569	344	95.83	.317	469	118.58	.065
94	50.33	.769	220	73.27	.567	345	96.02	.315	470	118.77	.063
95	50.52	.769	221	73.45	.565	346	96.20	.313	471	118.95	.061
96	50.70	.769	222	73.63	.563	347	96.38	.311	472	119.13	.059
97	50.88	.769	223	73.81	.561	348	96.56	.309	473	119.31	.057
98	51.06	.769	224	73.99	.559	349	96.74	.307	474	119.49	.055
99	51.24	.769	225	74.18	.557	350	96.93	.305	475	119.68	.053
100	51.43	.769	226	74.36	.555	351	97.11	.303	476	119.86	.051
101	51.61	.769	227	74.54	.553	352	97.29	.301	477	120.04	.049
102	51.79	.769	228	74.72	.551	353	97.47	.299	478	120.22	.047
103	51.97	.769	229	74.90	.549	354	97.65	.297	479	120.40	.045
104	52.15	.769	230	75.09	.547	355	97.84	.295	480	120.59	.043
105	52.34	.769	231	75.27	.545	356	98.02	.293	481	120.77	.041
106	52.52	.769	232	75.45	.543	357	98.20	.291	482	120.95	.039
107	52.70	.769	233	75.63	.541	358	98.38	.289	483	121.13	.037
108	52.88	.769	234	75.81	.539	359	98.56	.287	484	121.31	.035
109	53.06	.769	235	76.00	.537	360	98.75	.285	485	121.50	.033
110	53.25	.769	236	76.18	.535	361	98.93	.283	486	121.68	.031
111	53.43	.769	237	76.36	.533	362	99.11	.281	487	121.86	.029
112	53.61	.769	238	76.54	.531	363	99.29	.279	488	122.04	.027
113	53.79	.769	239	76.72	.529	364	99.47	.277	489	122.22	.025
114	53.97	.769	240	76.91	.527	365	99.66	.275	490	122.41	.023
115	54.16	.769	241	77.09	.525	366	99.84	.273	491	122.59	.021
116	54.34	.769	242	77.27	.523	367	100.02	.271	492	122.77	.019
117	54.52	.769	243	77.45	.521	368	100.20	.269	493	122.95	.017
118	54.70	.769	244	77.63	.519	369	100.38	.267	494	123.13	.015
119	54.88	.769	245	77.82	.517	370	100.57	.265	495	123.32	.013
120	55.07	.769	246	78.00	.515	371	100.75	.263	496	123.50	.011
121	55.25	.767	247	78.18	.513	372	100.93	.261	497	123.68	.009
122	55.43	.765	248	78.36	.511	373	101.11	.259	498	123.86	.007
123	55.61	.763	249	78.54	.509	374	101.29	.257	499	124.04	.005
124	55.79	.761	250	78.73	.507	375	101.48	.255	500	124.23	.003
125	55.98	.759	251	78.91	.505	376	101.66	.253	501	124.41	.001
126	56.16	.757									

0********** DISPERSION COEFFICIENTS (SQFT/SEC) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.50	32.300	126	56.25	64.500	251	79.00	32.300	376	101.75	32.300
2	33.68	32.300	127	56.43	64.500	252	79.18	32.300	377	101.93	32.300
3	33.86	32.300	128	56.61	64.500	253	79.36	32.300	378	102.11	32.300
4	34.05	32.300	129	56.80	64.500	254	79.55	32.300	379	102.30	32.300
5	34.23	32.300	130	56.98	64.500	255	79.73	32.300	380	102.48	32.300
6	34.41	32.300	131	57.16	64.500	256	79.91	32.300	381	102.66	32.300
7	34.59	32.300	132	57.34	64.500	257	80.09	32.300	382	102.84	32.300
8	34.77	32.300	133	57.52	64.500	258	80.27	32.300	383	103.02	32.300
9	34.96	32.300	134	57.71	64.500	259	80.46	32.300	384	103.21	32.300
10	35.14	32.300	135	57.89	64.500	260	80.64	32.300	385	103.39	32.300
11	35.32	32.300	136	58.07	64.500	261	80.82	32.300	386	103.57	32.300
12	35.50	32.300	137	58.25	64.500	262	81.00	32.300	387	103.75	32.300
13	35.68	32.300	138	58.43	64.500	263	81.18	32.300	388	103.93	32.300

14	35.87	32.300	139	58.62	64.500	264	81.37	32.300	389	104.12	32.300
15	36.05	32.300	140	58.80	64.500	265	81.55	32.300	390	104.30	32.300
16	36.23	32.300	141	58.98	64.500	266	81.73	32.300	391	104.48	32.300
17	36.41	32.300	142	59.16	64.500	267	81.91	32.300	392	104.66	32.300
18	36.59	32.300	143	59.34	64.500	268	82.09	32.300	393	104.84	32.300
19	36.78	32.300	144	59.53	64.500	269	82.28	32.300	394	105.03	32.300
20	36.96	32.300	145	59.71	64.500	270	82.46	32.300	395	105.21	32.300
21	37.14	32.300	146	59.89	64.500	271	82.64	32.300	396	105.39	32.300
22	37.32	32.300	147	60.07	64.500	272	82.82	32.300	397	105.57	32.300
23	37.50	32.300	148	60.25	64.500	273	83.00	32.300	398	105.75	32.300
24	37.69	32.300	149	60.44	64.500	274	83.19	32.300	399	105.94	32.300
25	37.87	32.300	150	60.62	64.500	275	83.37	32.300	400	106.12	32.300
26	38.05	32.300	151	60.80	64.500	276	83.55	32.300	401	106.30	32.300
27	38.23	32.300	152	60.98	64.500	277	83.73	32.300	402	106.48	32.300
28	38.41	32.300	153	61.16	64.500	278	83.91	32.300	403	106.66	32.300
29	38.60	32.300	154	61.35	64.500	279	84.10	32.300	404	106.85	32.300
30	38.78	32.300	155	61.53	64.500	280	84.28	32.300	405	107.03	32.300
31	38.96	32.300	156	61.71	64.500	281	84.46	32.300	406	107.21	32.300
32	39.14	32.300	157	61.89	64.500	282	84.64	32.300	407	107.39	32.300
33	39.32	32.300	158	62.07	64.500	283	84.82	32.300	408	107.57	32.300
34	39.51	32.300	159	62.26	64.500	284	85.01	32.300	409	107.76	32.300
35	39.69	32.300	160	62.44	64.500	285	85.19	32.300	410	107.94	32.300
36	39.87	32.300	161	62.62	64.500	286	85.37	32.300	411	108.12	32.300
37	40.05	32.300	162	62.80	64.500	287	85.55	32.300	412	108.30	32.300
38	40.23	32.300	163	62.98	64.500	288	85.73	32.300	413	108.48	32.300
39	40.42	32.300	164	63.17	64.500	289	85.92	32.300	414	108.67	32.300
40	40.60	32.300	165	63.35	64.500	290	86.10	32.300	415	108.85	32.300
41	40.78	32.300	166	63.53	64.500	291	86.28	32.300	416	109.03	32.300
42	40.96	32.300	167	63.71	64.500	292	86.46	32.300	417	109.21	32.300
43	41.14	32.300	168	63.89	64.500	293	86.64	32.300	418	109.39	32.300
44	41.33	32.300	169	64.08	64.500	294	86.83	32.300	419	109.58	32.300
45	41.51	32.300	170	64.26	64.500	295	87.01	32.300	420	109.76	32.300
46	41.69	32.300	171	64.44	64.500	296	87.19	32.300	421	109.94	32.300
47	41.87	32.300	172	64.62	64.500	297	87.37	32.300	422	110.12	32.300
48	42.05	32.300	173	64.80	64.500	298	87.55	32.300	423	110.30	32.300
49	42.24	32.300	174	64.99	64.500	299	87.74	32.300	424	110.49	32.300
50	42.42	32.300	175	65.17	64.500	300	87.92	32.300	425	110.67	32.300
51	42.60	32.300	176	65.35	64.500	301	88.10	32.300	426	110.85	32.300
52	42.78	32.300	177	65.53	64.500	302	88.28	32.300	427	111.03	32.300
53	42.96	32.300	178	65.71	64.500	303	88.46	32.300	428	111.21	32.300
54	43.15	32.300	179	65.90	64.500	304	88.65	32.300	429	111.40	32.300
55	43.33	32.300	180	66.08	64.500	305	88.83	32.300	430	111.58	32.300
56	43.51	32.300	181	66.26	64.500	306	89.01	32.300	431	111.76	32.300
57	43.69	32.300	182	66.44	64.500	307	89.19	32.300	432	111.94	32.300
58	43.87	32.300	183	66.62	64.500	308	89.37	32.300	433	112.12	32.300
59	44.06	32.300	184	66.81	64.500	309	89.56	32.300	434	112.31	32.300
60	44.24	32.300	185	66.99	64.500	310	89.74	32.300	435	112.49	32.300
61	44.42	32.300	186	67.17	64.500	311	89.92	32.300	436	112.67	32.300
62	44.60	35.583	187	67.35	64.500	312	90.10	32.300	437	112.85	32.300
63	44.78	41.443	188	67.53	64.500	313	90.28	32.300	438	113.03	32.300
64	44.97	47.304	189	67.72	64.500	314	90.47	32.300	439	113.22	32.300
65	45.15	53.164	190	67.90	64.500	315	90.65	32.300	440	113.40	32.300

66	45.33	59.024	191	68.08	64.500	316	90.83	32.300	441	113.58	32.300
67	45.51	64.500	192	68.26	64.500	317	91.01	32.300	442	113.76	32.300
68	45.69	64.500	193	68.44	64.500	318	91.19	32.300	443	113.94	32.300
69	45.88	64.500	194	68.63	64.500	319	91.38	32.300	444	114.13	32.300
70	46.06	64.500	195	68.81	64.500	320	91.56	32.300	445	114.31	32.300
71	46.24	64.500	196	68.99	64.500	321	91.74	32.300	446	114.49	32.300
72	46.42	64.500	197	69.17	64.500	322	91.92	32.300	447	114.67	32.300
73	46.60	64.500	198	69.35	64.500	323	92.10	32.300	448	114.85	32.300
74	46.79	64.500	199	69.54	64.500	324	92.29	32.300	449	115.04	32.300
75	46.97	64.500	200	69.72	64.500	325	92.47	32.300	450	115.22	32.300
76	47.15	64.500	201	69.90	64.500	326	92.65	32.300	451	115.40	32.300
77	47.33	64.500	202	70.08	64.500	327	92.83	32.300	452	115.58	32.300
78	47.51	64.500	203	70.26	64.500	328	93.01	32.300	453	115.76	32.300
79	47.70	64.500	204	70.45	64.500	329	93.20	32.300	454	115.95	32.300
80	47.88	64.500	205	70.63	60.384	330	93.38	32.300	455	116.13	32.300
81	48.06	64.500	206	70.81	54.523	331	93.56	32.300	456	116.31	32.300
82	48.24	64.500	207	70.99	48.663	332	93.74	32.300	457	116.49	32.300
83	48.42	64.500	208	71.17	42.802	333	93.92	32.300	458	116.67	32.300
84	48.61	64.500	209	71.36	36.942	334	94.11	32.300	459	116.86	32.300
85	48.79	64.500	210	71.54	32.300	335	94.29	32.300	460	117.04	32.300
86	48.97	64.500	211	71.72	32.300	336	94.47	32.300	461	117.22	32.300
87	49.15	64.500	212	71.90	32.300	337	94.65	32.300	462	117.40	32.300
88	49.33	64.500	213	72.08	32.300	338	94.83	32.300	463	117.58	32.300
89	49.52	64.500	214	72.27	32.300	339	95.02	32.300	464	117.77	32.300
90	49.70	64.500	215	72.45	32.300	340	95.20	32.300	465	117.95	32.300
91	49.88	64.500	216	72.63	32.300	341	95.38	32.300	466	118.13	32.300
92	50.06	64.500	217	72.81	32.300	342	95.56	32.300	467	118.31	32.300
93	50.24	64.500	218	72.99	32.300	343	95.74	32.300	468	118.49	32.300
94	50.43	64.500	219	73.18	32.300	344	95.93	32.300	469	118.68	32.300
95	50.61	64.500	220	73.36	32.300	345	96.11	32.300	470	118.86	32.300
96	50.79	64.500	221	73.54	32.300	346	96.29	32.300	471	119.04	32.300
97	50.97	64.500	222	73.72	32.300	347	96.47	32.300	472	119.22	32.300
98	51.15	64.500	223	73.90	32.300	348	96.65	32.300	473	119.40	32.300
99	51.34	64.500	224	74.09	32.300	349	96.84	32.300	474	119.59	32.300
100	51.52	64.500	225	74.27	32.300	350	97.02	32.300	475	119.77	32.300
101	51.70	64.500	226	74.45	32.300	351	97.20	32.300	476	119.95	32.300
102	51.88	64.500	227	74.63	32.300	352	97.38	32.300	477	120.13	32.300
103	52.06	64.500	228	74.81	32.300	353	97.56	32.300	478	120.31	32.300
104	52.25	64.500	229	75.00	32.300	354	97.75	32.300	479	120.50	32.300
105	52.43	64.500	230	75.18	32.300	355	97.93	32.300	480	120.68	32.300
106	52.61	64.500	231	75.36	32.300	356	98.11	32.300	481	120.86	32.300
107	52.79	64.500	232	75.54	32.300	357	98.29	32.300	482	121.04	32.300
108	52.97	64.500	233	75.72	32.300	358	98.47	32.300	483	121.22	32.300
109	53.16	64.500	234	75.91	32.300	359	98.66	32.300	484	121.41	32.300
110	53.34	64.500	235	76.09	32.300	360	98.84	32.300	485	121.59	32.300
111	53.52	64.500	236	76.27	32.300	361	99.02	32.300	486	121.77	32.300
112	53.70	64.500	237	76.45	32.300	362	99.20	32.300	487	121.95	32.300
113	53.88	64.500	238	76.63	32.300	363	99.38	32.300	488	122.13	32.300
114	54.07	64.500	239	76.82	32.300	364	99.57	32.300	489	122.32	32.300
115	54.25	64.500	240	77.00	32.300	365	99.75	32.300	490	122.50	32.300
116	54.43	64.500	241	77.18	32.300	366	99.93	32.300	491	122.68	32.300
117	54.61	64.500	242	77.36	32.300	367	100.11	32.300	492	122.86	32.300

118	54.79	64.500	243	77.54	32.300	368	100.29	32.300	493	123.04	32.300
119	54.98	64.500	244	77.73	32.300	369	100.48	32.300	494	123.23	32.300
120	55.16	64.500	245	77.91	32.300	370	100.66	32.300	495	123.41	32.300
121	55.34	64.500	246	78.09	32.300	371	100.84	32.300	496	123.59	32.300
122	55.52	64.500	247	78.27	32.300	372	101.02	32.300	497	123.77	32.300
123	55.70	64.500	248	78.45	32.300	373	101.20	32.300	498	123.95	32.300
124	55.89	64.500	249	78.64	32.300	374	101.39	32.300	499	124.14	32.300
125	56.07	64.500	250	78.82	32.300	375	101.57	32.300	500	124.32	32.300

0********** CBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********

ALL VALUES = .099

0********** CBOD SEDIMENTATION RATES - (1/DAY)
****

ALL VALUES = 0.000E+00

0********** NBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********

ALL VALUES = .021

0********** NBOD SEDIMENTATION RATES -
(1/DAY),5X**********

ALL VALUES = 0.000E+00

0********** NONPOINT SOURCE FLOW (CFS/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** NBOD NONPOINT SOURCE CONTRIBUTION (LBS NBOD/DAY/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** CBOD NONPOINT SOURCE CONTRIBUTION (LBS CBOD/DAY/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** O2 NONPOINT SOURCE CONTRIBUTIONS (LBS O2/DAY/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** AVERAGE DAILY PHOTOSYNTHESIS-RESPIRATION RATE (GM O2/SQM/DAY) CORRECTED TO STREAM TEMPERATURES *****

ALL VALUES = 0.000E+00

1**********
****
********** DEPTH OR VELOCITY DEPENDENT VARIABLES **********
****
****

0********** CROSSECTIONAL AREAS OF JUNCT*NS (SQFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	4373.700	127	56.34	1553.972	252	79.09	1370.081	377	101.84	1191.324
2	33.59	4297.894	128	56.52	1546.990	253	79.27	1363.998	378	102.02	1189.440
3	33.77	4146.581	129	56.70	1538.045	254	79.45	1357.926	379	102.20	1187.556
4	33.95	3995.667	130	56.89	1529.027	255	79.64	1351.865	380	102.39	1185.673
5	34.14	3845.152	131	57.07	1519.934	256	79.82	1345.814	381	102.57	1183.868
6	34.32	3695.037	132	57.25	1510.767	257	80.00	1339.773	382	102.75	1182.194
7	34.50	3545.319	133	57.43	1501.526	258	80.18	1333.744	383	102.93	1180.519
8	34.68	3395.481	134	57.61	1493.425	259	80.36	1327.725	384	103.11	1178.845
9	34.86	3246.088	135	57.80	1485.967	260	80.55	1322.335	385	103.30	1177.170
10	35.05	3097.138	136	57.98	1478.446	261	80.73	1318.740	386	103.48	1175.496
11	35.23	2948.632	137	58.16	1470.862	262	80.91	1315.150	387	103.66	1182.395
12	35.41	2800.570	138	58.34	1463.213	263	81.09	1311.565	388	103.84	1190.412
13	35.59	2653.161	139	58.52	1455.235	264	81.27	1307.984	389	104.02	1198.409
14	35.77	2506.364	140	58.71	1445.503	265	81.46	1304.408	390	104.21	1206.386
15	35.96	2359.966	141	58.89	1435.698	266	81.64	1299.013	391	104.39	1214.343
16	36.14	2213.968	142	59.07	1425.818	267	81.82	1293.061	392	104.57	1223.084

17	36.32	2068.369	143	59.25	1415.864	268	82.00	1287.119	393	104.75	1233.069
18	36.50	1924.246	144	59.43	1405.836	269	82.18	1281.188	394	104.93	1243.034
19	36.68	1844.905	145	59.62	1397.006	270	82.37	1275.267	395	105.12	1252.979
20	36.87	1765.802	146	59.80	1388.820	271	82.55	1269.357	396	105.30	1262.905
21	37.05	1686.937	147	59.98	1380.570	272	82.73	1263.457	397	105.48	1272.810
22	37.23	1608.311	148	60.16	1372.257	273	82.91	1257.568	398	105.66	1280.233
23	37.41	1529.924	149	60.34	1363.880	274	83.09	1251.690	399	105.84	1287.360
24	37.59	1488.133	150	60.53	1355.143	275	83.28	1245.822	400	106.03	1294.485
25	37.78	1479.721	151	60.71	1344.624	276	83.46	1239.965	401	106.21	1301.606
26	37.96	1471.327	152	60.89	1334.032	277	83.64	1234.118	402	106.39	1308.725
27	38.14	1462.951	153	61.07	1323.365	278	83.82	1228.282	403	106.57	1314.323
28	38.32	1454.593	154	61.25	1312.624	279	84.00	1222.457	404	106.75	1317.635
29	38.50	1446.246	155	61.44	1301.808	280	84.19	1216.642	405	106.94	1320.948
30	38.69	1437.695	156	61.62	1293.858	281	84.37	1210.838	406	107.12	1324.260
31	38.87	1429.164	157	61.80	1287.407	282	84.55	1205.645	407	107.30	1327.572
32	39.05	1420.653	158	61.98	1280.896	283	84.73	1202.011	408	107.48	1330.885
33	39.23	1412.162	159	62.16	1274.325	284	84.91	1198.382	409	107.66	1334.197
34	39.41	1403.691	160	62.35	1267.695	285	85.10	1194.759	410	107.85	1337.510
35	39.60	1394.256	161	62.53	1261.397	286	85.28	1191.141	411	108.03	1340.822
36	39.78	1383.981	162	62.71	1257.125	287	85.46	1187.528	412	108.21	1344.134
37	39.96	1373.730	163	62.89	1252.800	288	85.64	1182.388	413	108.39	1347.447
38	40.14	1363.503	164	63.07	1248.423	289	85.82	1176.836	414	108.57	1350.759
39	40.32	1353.300	165	63.26	1243.992	290	86.01	1171.294	415	108.76	1354.072
40	40.51	1343.348	166	63.44	1239.508	291	86.19	1165.761	416	108.94	1357.384
41	40.69	1339.131	167	63.62	1233.441	292	86.37	1160.237	417	109.12	1360.696
42	40.87	1334.921	168	63.80	1226.539	293	86.55	1156.466	418	109.30	1364.009
43	41.05	1330.717	169	63.98	1219.574	294	86.73	1156.965	419	109.48	1367.321
44	41.23	1326.520	170	64.17	1212.547	295	86.92	1157.459	420	109.67	1370.633
45	41.42	1322.330	171	64.35	1205.456	296	87.10	1157.946	421	109.85	1373.946
46	41.60	1319.369	172	64.53	1198.665	297	87.28	1158.428	422	110.03	1377.258
47	41.78	1317.436	173	64.71	1193.598	298	87.46	1158.903	423	110.21	1380.571
48	41.96	1315.503	174	64.89	1188.479	299	87.64	1166.223	424	110.39	1383.883
49	42.14	1313.571	175	65.08	1183.311	300	87.83	1175.279	425	110.58	1387.195
50	42.33	1311.638	176	65.26	1178.092	301	88.01	1184.309	426	110.76	1390.508
51	42.51	1309.694	177	65.44	1172.823	302	88.19	1193.313	427	110.94	1393.820
52	42.69	1307.547	178	65.62	1166.032	303	88.37	1202.290	428	111.12	1397.133
53	42.87	1305.399	179	65.80	1158.473	304	88.55	1211.183	429	111.30	1400.445
54	43.05	1303.251	180	65.99	1150.850	305	88.74	1219.913	430	111.49	1403.757
55	43.24	1301.104	181	66.17	1143.165	306	88.92	1228.614	431	111.67	1407.070
56	43.42	1298.956	182	66.35	1135.416	307	89.10	1237.284	432	111.85	1410.382
57	43.60	1296.928	183	66.53	1128.004	308	89.28	1245.925	433	112.03	1413.694
58	43.78	1294.995	184	66.71	1122.348	309	89.46	1254.536	434	112.21	1417.007
59	43.96	1293.062	185	66.90	1116.641	310	89.65	1263.117	435	112.40	1420.319
60	44.15	1291.129	186	67.08	1110.884	311	89.83	1271.669	436	112.58	1423.632
61	44.33	1289.197	187	67.26	1105.077	312	90.01	1280.190	437	112.76	1426.944
62	44.51	1287.264	188	67.44	1099.219	313	90.19	1288.682	438	112.94	1430.256
63	44.69	1285.331	189	67.62	1091.769	314	90.37	1297.144	439	113.12	1433.569
64	44.87	1283.398	190	67.81	1083.552	315	90.56	1302.363	440	113.31	1436.881
65	45.06	1281.465	191	67.99	1075.272	316	90.74	1300.479	441	113.49	1440.194
66	45.24	1279.532	192	68.17	1066.928	317	90.92	1298.595	442	113.67	1449.191
67	45.42	1277.599	193	68.35	1058.522	318	91.10	1296.712	443	113.85	1458.593
68	45.60	1275.545	194	68.53	1051.100	319	91.28	1294.828	444	114.03	1468.023

69	45.78	1273.398	195	68.72	1048.062	320	91.47	1292.944	445	114.22	1477.480
70	45.97	1271.250	196	68.90	1045.011	321	91.65	1291.231	446	114.40	1486.966
71	46.15	1269.103	197	69.08	1041.947	322	91.83	1289.557	447	114.58	1497.385
72	46.33	1266.955	198	69.26	1038.870	323	92.01	1287.883	448	114.76	1508.977
73	46.51	1264.745	199	69.44	1035.779	324	92.19	1286.208	449	114.94	1520.606
74	46.69	1261.722	200	69.63	1034.840	325	92.38	1284.534	450	115.13	1532.272
75	46.88	1258.702	201	69.81	1034.840	326	92.56	1282.792	451	115.31	1543.975
76	47.06	1255.686	202	69.99	1034.840	327	92.74	1280.908	452	115.49	1555.716
77	47.24	1252.673	203	70.17	1034.840	328	92.92	1279.025	453	115.67	1569.458
78	47.42	1249.663	204	70.35	1034.840	329	93.10	1277.141	454	115.85	1583.354
79	47.60	1249.399	205	70.54	1035.807	330	93.29	1275.257	455	116.04	1597.296
80	47.79	1251.140	206	70.72	1040.582	331	93.47	1273.373	456	116.22	1611.284
81	47.97	1252.867	207	70.90	1045.358	332	93.65	1271.663	457	116.40	1625.319
82	48.15	1254.580	208	71.08	1050.134	333	93.83	1269.989	458	116.58	1639.400
83	48.33	1256.281	209	71.26	1054.909	334	94.01	1268.314	459	116.76	1653.527
84	48.51	1255.389	210	71.45	1059.685	335	94.20	1266.640	460	116.95	1667.701
85	48.70	1225.712	211	71.63	1068.777	336	94.38	1264.966	461	117.13	1681.921
86	48.88	1196.155	212	71.81	1079.633	337	94.56	1263.221	462	117.31	1696.187
87	49.06	1166.718	213	71.99	1090.469	338	94.74	1261.338	463	117.49	1710.500
88	49.24	1137.402	214	72.17	1101.285	339	94.92	1259.454	464	117.67	1722.822
89	49.42	1108.207	215	72.36	1112.081	340	95.11	1257.570	465	117.86	1735.096
90	49.61	1089.501	216	72.54	1123.256	341	95.29	1255.687	466	118.04	1747.406
91	49.79	1078.126	217	72.72	1135.870	342	95.47	1253.803	467	118.22	1759.754
92	49.97	1066.784	218	72.90	1148.449	343	95.65	1252.095	468	118.40	1772.139
93	50.15	1055.475	219	73.08	1160.992	344	95.83	1250.421	469	118.58	1785.687
94	50.33	1044.199	220	73.27	1173.499	345	96.02	1248.746	470	118.77	1800.577
95	50.52	1032.623	221	73.45	1185.970	346	96.20	1247.072	471	118.95	1815.517
96	50.70	1017.836	222	73.63	1200.077	347	96.38	1245.397	472	119.13	1830.506
97	50.88	1003.092	223	73.81	1214.797	348	96.56	1243.651	473	119.31	1845.545
98	51.06	988.389	224	73.99	1229.476	349	96.74	1241.767	474	119.49	1860.634
99	51.24	973.728	225	74.18	1244.113	350	96.93	1239.883	475	119.68	1875.495
100	51.43	959.108	226	74.36	1258.708	351	97.11	1238.000	476	119.86	1890.395
101	51.61	939.969	227	74.54	1272.142	352	97.29	1236.116	477	120.04	1905.340
102	51.79	917.836	228	74.72	1281.671	353	97.47	1234.232	478	120.22	1920.332
103	51.97	895.776	229	74.90	1291.163	354	97.65	1232.527	479	120.40	1935.371
104	52.15	873.789	230	75.09	1300.619	355	97.84	1230.852	480	120.59	1950.456
105	52.34	851.875	231	75.27	1310.038	356	98.02	1229.178	481	120.77	1965.587
106	52.52	835.040	232	75.45	1319.421	357	98.20	1227.503	482	120.95	1980.764
107	52.70	861.352	233	75.63	1330.438	358	98.38	1225.829	483	121.13	1995.988
108	52.88	887.575	234	75.81	1342.030	359	98.56	1224.080	484	121.31	2011.259
109	53.06	913.708	235	76.00	1353.578	360	98.75	1222.197	485	121.50	2026.575
110	53.25	939.752	236	76.18	1365.083	361	98.93	1220.313	486	121.68	2039.753
111	53.43	965.707	237	76.36	1376.545	362	99.11	1218.429	487	121.86	2052.926
112	53.61	1047.230	238	76.54	1386.407	363	99.29	1216.545	488	122.04	2066.137
113	53.79	1164.408	239	76.72	1391.187	364	99.47	1214.662	489	122.22	2079.385
114	53.97	1281.587	240	76.91	1395.946	365	99.66	1212.958	490	122.41	2092.669
115	54.16	1398.765	241	77.09	1400.685	366	99.84	1211.284	491	122.59	2107.086
116	54.34	1515.943	242	77.27	1405.405	367	100.02	1209.609	492	122.77	2122.702
117	54.52	1618.936	243	77.45	1410.105	368	100.20	1207.935	493	122.95	2138.365
118	54.70	1612.600	244	77.63	1408.423	369	100.38	1206.261	494	123.13	2154.073
119	54.88	1606.200	245	77.82	1404.517	370	100.57	1204.510	495	123.32	2169.828
120	55.07	1599.736	246	78.00	1400.615	371	100.75	1202.626	496	123.50	2185.629

121	55.25	1593.209	247	78.18	1396.720	372	100.93	1200.742	497	123.68	2201.477
122	55.43	1586.619	248	78.36	1392.829	373	101.11	1198.859	498	123.86	2217.371
123	55.61	1580.139	249	78.54	1388.393	374	101.29	1196.975	499	124.04	2233.311
124	55.79	1573.698	250	78.73	1382.278	375	101.48	1195.091	500	124.23	2249.298
125	55.98	1567.191	251	78.91	1376.174	376	101.66	1193.207	501	124.41	2265.331
126	56.16	1560.615									

0********** JUNCT*N DEPTHS (FT) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	36.600	127	56.34	14.995	252	79.09	11.182	377	101.84	11.500
2	33.59	35.990	128	56.52	14.884	253	79.27	11.145	378	102.02	11.500
3	33.77	34.771	129	56.70	14.757	254	79.45	11.109	379	102.20	11.500
4	33.95	33.552	130	56.89	14.629	255	79.64	11.073	380	102.39	11.500
5	34.14	32.332	131	57.07	14.502	256	79.82	11.036	381	102.57	11.500
6	34.32	31.113	132	57.25	14.374	257	80.00	11.000	382	102.75	11.500
7	34.50	29.893	133	57.43	14.247	258	80.18	10.963	383	102.93	11.500
8	34.68	28.674	134	57.61	14.131	259	80.36	10.927	384	103.11	11.500
9	34.86	27.455	135	57.80	14.022	260	80.55	10.895	385	103.30	11.500
10	35.05	26.235	136	57.98	13.913	261	80.73	10.877	386	103.48	11.500
11	35.23	25.016	137	58.16	13.803	262	80.91	10.859	387	103.66	11.580
12	35.41	23.796	138	58.34	13.694	263	81.09	10.841	388	103.84	11.671
13	35.59	22.577	139	58.52	13.583	264	81.27	10.823	389	104.02	11.762
14	35.77	21.358	140	58.71	13.455	265	81.46	10.804	390	104.21	11.853
15	35.96	20.138	141	58.89	13.328	266	81.64	10.772	391	104.39	11.944
16	36.14	18.919	142	59.07	13.200	267	81.82	10.736	392	104.57	12.042
17	36.32	17.699	143	59.25	13.073	268	82.00	10.699	393	104.75	12.152
18	36.50	16.489	144	59.43	12.946	269	82.18	10.663	394	104.93	12.261
19	36.68	15.834	145	59.62	12.830	270	82.37	10.627	395	105.12	12.370
20	36.87	15.179	146	59.80	12.721	271	82.55	10.590	396	105.30	12.479
21	37.05	14.524	147	59.98	12.611	272	82.73	10.554	397	105.48	12.588
22	37.23	13.868	148	60.16	12.502	273	82.91	10.517	398	105.66	12.665
23	37.41	13.213	149	60.34	12.393	274	83.09	10.481	399	105.84	12.738
24	37.59	12.872	150	60.53	12.281	275	83.28	10.445	400	106.03	12.811
25	37.78	12.817	151	60.71	12.154	276	83.46	10.408	401	106.21	12.883
26	37.96	12.762	152	60.89	12.026	277	83.64	10.372	402	106.39	12.956
27	38.14	12.708	153	61.07	11.899	278	83.82	10.335	403	106.57	13.000
28	38.32	12.653	154	61.25	11.772	279	84.00	10.299	404	106.75	13.000
29	38.50	12.599	155	61.44	11.644	280	84.19	10.263	405	106.94	13.000
30	38.69	12.544	156	61.62	11.541	281	84.37	10.226	406	107.12	13.000
31	38.87	12.489	157	61.80	11.450	282	84.55	10.195	407	107.30	13.000
32	39.05	12.435	158	61.98	11.359	283	84.73	10.177	408	107.48	13.000
33	39.23	12.380	159	62.16	11.268	284	84.91	10.159	409	107.66	13.000
34	39.41	12.326	160	62.35	11.177	285	85.10	10.140	410	107.85	13.000
35	39.60	12.261	161	62.53	11.088	286	85.28	10.122	411	108.03	13.000
36	39.78	12.188	162	62.71	11.016	287	85.46	10.104	412	108.21	13.000
37	39.96	12.116	163	62.89	10.943	288	85.64	10.071	413	108.39	13.000
38	40.14	12.043	164	63.07	10.870	289	85.82	10.035	414	108.57	13.000
39	40.32	11.970	165	63.26	10.797	290	86.01	9.999	415	108.76	13.000
40	40.51	11.899	166	63.44	10.724	291	86.19	9.962	416	108.94	13.000
41	40.69	11.881	167	63.62	10.640	292	86.37	9.926	417	109.12	13.000
42	40.87	11.863	168	63.80	10.549	293	86.55	9.905	418	109.30	13.000
43	41.05	11.845	169	63.98	10.458	294	86.73	9.923	419	109.48	13.000

44	41.23	11.827	170	64.17	10.367	295	86.92	9.942	420	109.67	13.000
45	41.42	11.808	171	64.35	10.276	296	87.10	9.960	421	109.85	13.000
46	41.60	11.800	172	64.53	10.188	297	87.28	9.978	422	110.03	13.000
47	41.78	11.800	173	64.71	10.115	298	87.46	9.996	423	110.21	13.000
48	41.96	11.800	174	64.89	10.042	299	87.64	10.072	424	110.39	13.000
49	42.14	11.800	175	65.08	9.969	300	87.83	10.163	425	110.58	13.000
50	42.33	11.800	176	65.26	9.896	301	88.01	10.254	426	110.76	13.000
51	42.51	11.800	177	65.44	9.824	302	88.19	10.345	427	110.94	13.000
52	42.69	11.800	178	65.62	9.739	303	88.37	10.436	428	111.12	13.000
53	42.87	11.800	179	65.80	9.648	304	88.55	10.527	429	111.30	13.000
54	43.05	11.800	180	65.99	9.557	305	88.74	10.618	430	111.49	13.000
55	43.24	11.800	181	66.17	9.466	306	88.92	10.709	431	111.67	13.000
56	43.42	11.800	182	66.35	9.375	307	89.10	10.800	432	111.85	13.000
57	43.60	11.800	183	66.53	9.287	308	89.28	10.891	433	112.03	13.000
58	43.78	11.800	184	66.71	9.214	309	89.46	10.982	434	112.21	13.000
59	43.96	11.800	185	66.90	9.141	310	89.65	11.073	435	112.40	13.000
60	44.15	11.800	186	67.08	9.068	311	89.83	11.164	436	112.58	13.000
61	44.33	11.800	187	67.26	8.996	312	90.01	11.255	437	112.76	13.000
62	44.51	11.800	188	67.44	8.923	313	90.19	11.346	438	112.94	13.000
63	44.69	11.800	189	67.62	8.838	314	90.37	11.437	439	113.12	13.000
64	44.87	11.800	190	67.81	8.747	315	90.56	11.500	440	113.31	13.000
65	45.06	11.800	191	67.99	8.656	316	90.74	11.500	441	113.49	13.000
66	45.24	11.800	192	68.17	8.565	317	90.92	11.500	442	113.67	13.051
67	45.42	11.800	193	68.35	8.474	318	91.10	11.500	443	113.85	13.106
68	45.60	11.800	194	68.53	8.393	319	91.28	11.500	444	114.03	13.160
69	45.78	11.800	195	68.72	8.357	320	91.47	11.500	445	114.22	13.215
70	45.97	11.800	196	68.90	8.320	321	91.65	11.500	446	114.40	13.270
71	46.15	11.800	197	69.08	8.284	322	91.83	11.500	447	114.58	13.332
72	46.33	11.800	198	69.26	8.247	323	92.01	11.500	448	114.76	13.405
73	46.51	11.799	199	69.44	8.211	324	92.19	11.500	449	114.94	13.478
74	46.69	11.781	200	69.63	8.200	325	92.38	11.500	450	115.13	13.551
75	46.88	11.762	201	69.81	8.200	326	92.56	11.500	451	115.31	13.623
76	47.06	11.744	202	69.99	8.200	327	92.74	11.500	452	115.49	13.696
77	47.24	11.726	203	70.17	8.200	328	92.92	11.500	453	115.67	13.786
78	47.42	11.708	204	70.35	8.200	329	93.10	11.500	454	115.85	13.877
79	47.60	11.721	205	70.54	8.200	330	93.29	11.500	455	116.04	13.968
80	47.79	11.757	206	70.72	8.200	331	93.47	11.500	456	116.22	14.059
81	47.97	11.794	207	70.90	8.200	332	93.65	11.500	457	116.40	14.150
82	48.15	11.830	208	71.08	8.200	333	93.83	11.500	458	116.58	14.241
83	48.33	11.867	209	71.26	8.200	334	94.01	11.500	459	116.76	14.332
84	48.51	11.879	210	71.45	8.200	335	94.20	11.500	460	116.95	14.423
85	48.70	11.624	211	71.63	8.264	336	94.38	11.500	461	117.13	14.514
86	48.88	11.369	212	71.81	8.355	337	94.56	11.500	462	117.31	14.605
87	49.06	11.115	213	71.99	8.446	338	94.74	11.500	463	117.49	14.696
88	49.24	10.860	214	72.17	8.537	339	94.92	11.500	464	117.67	14.770
89	49.42	10.605	215	72.36	8.628	340	95.11	11.500	465	117.86	14.843
90	49.61	10.447	216	72.54	8.723	341	95.29	11.500	466	118.04	14.915
91	49.79	10.356	217	72.72	8.832	342	95.47	11.500	467	118.22	14.988
92	49.97	10.265	218	72.90	8.942	343	95.65	11.500	468	118.40	15.061
93	50.15	10.174	219	73.08	9.051	344	95.83	11.500	469	118.58	15.142
94	50.33	10.083	220	73.27	9.160	345	96.02	11.500	470	118.77	15.233
95	50.52	9.988	221	73.45	9.269	346	96.20	11.500	471	118.95	15.324

96	50.70	9.861	222	73.63	9.392	347	96.38	11.500	472	119.13	15.415
97	50.88	9.733	223	73.81	9.519	348	96.56	11.500	473	119.31	15.506
98	51.06	9.606	224	73.99	9.646	349	96.74	11.500	474	119.49	15.597
99	51.24	9.479	225	74.18	9.774	350	96.93	11.500	475	119.68	15.688
100	51.43	9.351	226	74.36	9.901	351	97.11	11.500	476	119.86	15.779
101	51.61	9.180	227	74.54	10.020	352	97.29	11.500	477	120.04	15.870
102	51.79	8.980	228	74.72	10.111	353	97.47	11.500	478	120.22	15.961
103	51.97	8.780	229	74.90	10.202	354	97.65	11.500	479	120.40	16.052
104	52.15	8.580	230	75.09	10.293	355	97.84	11.500	480	120.59	16.143
105	52.34	8.379	231	75.27	10.384	356	98.02	11.500	481	120.77	16.234
106	52.52	8.228	232	75.45	10.475	357	98.20	11.500	482	120.95	16.325
107	52.70	8.501	233	75.63	10.580	358	98.38	11.500	483	121.13	16.416
108	52.88	8.774	234	75.81	10.689	359	98.56	11.500	484	121.31	16.507
109	53.06	9.047	235	76.00	10.798	360	98.75	11.500	485	121.50	16.598
110	53.25	9.320	236	76.18	10.907	361	98.93	11.500	486	121.68	16.671
111	53.43	9.593	237	76.36	11.016	362	99.11	11.500	487	121.86	16.744
112	53.61	10.410	238	76.54	11.113	363	99.29	11.500	488	122.04	16.817
113	53.79	11.575	239	76.72	11.167	364	99.47	11.500	489	122.22	16.890
114	53.97	12.739	240	76.91	11.222	365	99.66	11.500	490	122.41	16.963
115	54.16	13.904	241	77.09	11.277	366	99.84	11.500	491	122.59	17.044
116	54.34	15.069	242	77.27	11.331	367	100.02	11.500	492	122.77	17.135
117	54.52	16.087	243	77.45	11.386	368	100.20	11.500	493	122.95	17.226
118	54.70	15.978	244	77.63	11.387	369	100.38	11.500	494	123.13	17.317
119	54.88	15.869	245	77.82	11.368	370	100.57	11.500	495	123.32	17.408
120	55.07	15.760	246	78.00	11.350	371	100.75	11.500	496	123.50	17.499
121	55.25	15.651	247	78.18	11.332	372	100.93	11.500	497	123.68	17.590
122	55.43	15.541	248	78.36	11.314	373	101.11	11.500	498	123.86	17.681
123	55.61	15.432	249	78.54	11.291	374	101.29	11.500	499	124.04	17.772
124	55.79	15.323	250	78.73	11.255	375	101.48	11.500	500	124.23	17.863
125	55.98	15.214	251	78.91	11.218	376	101.66	11.500	501	124.41	17.954
126	56.16	15.105									

0********** JUNCT*N VELOCITIES (FT/SEC) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.082	127	56.34	.229	252	79.09	.251	377	101.84	.366
2	33.59	.084	128	56.52	.230	253	79.27	.252	378	102.02	.367
3	33.77	.087	129	56.70	.231	254	79.45	.253	379	102.20	.367
4	33.95	.090	130	56.89	.233	255	79.64	.254	380	102.39	.368
5	34.14	.093	131	57.07	.234	256	79.82	.255	381	102.57	.368
6	34.32	.097	132	57.25	.235	257	80.00	.256	382	102.75	.369
7	34.50	.101	133	57.43	.237	258	80.18	.258	383	102.93	.369
8	34.68	.106	134	57.61	.238	259	80.36	.259	384	103.11	.370
9	34.86	.111	135	57.80	.237	260	80.55	.260	385	103.30	.370
10	35.05	.116	136	57.98	.238	261	80.73	.260	386	103.48	.371
11	35.23	.122	137	58.16	.239	262	80.91	.261	387	103.66	.369
12	35.41	.128	138	58.34	.240	263	81.09	.262	388	103.84	.366
13	35.59	.135	139	58.52	.242	264	81.27	.263	389	104.02	.364
14	35.77	.143	140	58.71	.243	265	81.46	.263	390	104.21	.361
15	35.96	.152	141	58.89	.245	266	81.64	.264	391	104.39	.359
16	36.14	.162	142	59.07	.247	267	81.82	.266	392	104.57	.357
17	36.32	.174	143	59.25	.249	268	82.00	.267	393	104.75	.354
18	36.50	.187	144	59.43	.250	269	82.18	.268	394	104.93	.351

19	36.68	.195	145	59.62	.252	270	82.37	.269	395	105.12	.348
20	36.87	.203	146	59.80	.253	271	82.55	.271	396	105.30	.345
21	37.05	.213	147	59.98	.255	272	82.73	.272	397	105.48	.475
22	37.23	.223	148	60.16	.256	273	82.91	.273	398	105.66	.473
23	37.41	.235	149	60.34	.258	274	83.09	.274	399	105.84	.470
24	37.59	.241	150	60.53	.260	275	83.28	.276	400	106.03	.467
25	37.78	.243	151	60.71	.262	276	83.46	.277	401	106.21	.465
26	37.96	.244	152	60.89	.264	277	83.64	.278	402	106.39	.462
27	38.14	.245	153	61.07	.266	278	83.82	.280	403	106.57	.460
28	38.32	.247	154	61.25	.268	279	84.00	.281	404	106.75	.459
29	38.50	.248	155	61.44	.270	280	84.19	.282	405	106.94	.458
30	38.69	.250	156	61.62	.272	281	84.37	.284	406	107.12	.457
31	38.87	.251	157	61.80	.273	282	84.55	.285	407	107.30	.456
32	39.05	.253	158	61.98	.275	283	84.73	.286	408	107.48	.455
33	39.23	.254	159	62.16	.276	284	84.91	.287	409	107.66	.454
34	39.41	.256	160	62.35	.278	285	85.10	.288	410	107.85	.452
35	39.60	.257	161	62.53	.279	286	85.28	.288	411	108.03	.451
36	39.78	.259	162	62.71	.280	287	85.46	.289	412	108.21	.450
37	39.96	.261	163	62.89	.281	288	85.64	.291	413	108.39	.449
38	40.14	.263	164	63.07	.282	289	85.82	.292	414	108.57	.448
39	40.32	.265	165	63.26	.283	290	86.01	.293	415	108.76	.447
40	40.51	.267	166	63.44	.284	291	86.19	.295	416	108.94	.446
41	40.69	.268	167	63.62	.285	292	86.37	.296	417	109.12	.445
42	40.87	.269	168	63.80	.287	293	86.55	.297	418	109.30	.444
43	41.05	.270	169	63.98	.288	294	86.73	.297	419	109.48	.443
44	41.23	.271	170	64.17	.290	295	86.92	.297	420	109.67	.441
45	41.42	.271	171	64.35	.292	296	87.10	.297	421	109.85	.440
46	41.60	.272	172	64.53	.293	297	87.28	.297	422	110.03	.439
47	41.78	.272	173	64.71	.295	298	87.46	.296	423	110.21	.438
48	41.96	.273	174	64.89	.296	299	87.64	.295	424	110.39	.437
49	42.14	.273	175	65.08	.297	300	87.83	.371	425	110.58	.436
50	42.33	.274	176	65.26	.298	301	88.01	.369	426	110.76	.435
51	42.51	.274	177	65.44	.300	302	88.19	.366	427	110.94	.434
52	42.69	.275	178	65.62	.302	303	88.37	.363	428	111.12	.433
53	42.87	.275	179	65.80	.304	304	88.55	.360	429	111.30	.432
54	43.05	.275	180	65.99	.306	305	88.74	.358	430	111.49	.431
55	43.24	.276	181	66.17	.308	306	88.92	.355	431	111.67	.430
56	43.42	.276	182	66.35	.310	307	89.10	.353	432	111.85	.429
57	43.60	.277	183	66.53	.312	308	89.28	.350	433	112.03	.428
58	43.78	.277	184	66.71	.313	309	89.46	.348	434	112.21	.427
59	43.96	.278	185	66.90	.315	310	89.65	.346	435	112.40	.426
60	44.15	.278	186	67.08	.317	311	89.83	.343	436	112.58	.425
61	44.33	.278	187	67.26	.318	312	90.01	.341	437	112.76	.424
62	44.51	.279	188	67.44	.320	313	90.19	.339	438	112.94	.423
63	44.69	.279	189	67.62	.322	314	90.37	.336	439	113.12	.422
64	44.87	.280	190	67.81	.325	315	90.56	.335	440	113.31	.421
65	45.06	.280	191	67.99	.327	316	90.74	.335	441	113.49	.420
66	45.24	.281	192	68.17	.330	317	90.92	.336	442	113.67	.418
67	45.42	.281	193	68.35	.332	318	91.10	.336	443	113.85	.415
68	45.60	.281	194	68.53	.335	319	91.28	.337	444	114.03	.412
69	45.78	.282	195	68.72	.335	320	91.47	.337	445	114.22	.410
70	45.97	.282	196	68.90	.336	321	91.65	.338	446	114.40	.407

71	46.15	.283	197	69.08	.337	322	91.83	.338	447	114.58	.404
72	46.33	.283	198	69.26	.338	323	92.01	.339	448	114.76	.401
73	46.51	.284	199	69.44	.339	324	92.19	.339	449	114.94	.398
74	46.69	.284	200	69.63	.340	325	92.38	.340	450	115.13	.395
75	46.88	.285	201	69.81	.340	326	92.56	.340	451	115.31	.392
76	47.06	.286	202	69.99	.340	327	92.74	.340	452	115.49	.389
77	47.24	.287	203	70.17	.340	328	92.92	.341	453	115.67	.386
78	47.42	.287	204	70.35	.340	329	93.10	.341	454	115.85	.382
79	47.60	.287	205	70.54	.339	330	93.29	.342	455	116.04	.379
80	47.79	.287	206	70.72	.338	331	93.47	.342	456	116.22	.376
81	47.97	.287	207	70.90	.336	332	93.65	.343	457	116.40	.372
82	48.15	.286	208	71.08	.335	333	93.83	.343	458	116.58	.369
83	48.33	.286	209	71.26	.333	334	94.01	.344	459	116.76	.366
84	48.51	.286	210	71.45	.330	335	94.20	.344	460	116.95	.363
85	48.70	.293	211	71.63	.327	336	94.38	.345	461	117.13	.360
86	48.88	.300	212	71.81	.324	337	94.56	.345	462	117.31	.357
87	49.06	.308	213	71.99	.320	338	94.74	.346	463	117.49	.354
88	49.24	.316	214	72.17	.317	339	94.92	.346	464	117.67	.351
89	49.42	.324	215	72.36	.314	340	95.11	.347	465	117.86	.349
90	49.61	.329	216	72.54	.311	341	95.29	.347	466	118.04	.346
91	49.79	.333	217	72.72	.308	342	95.47	.348	467	118.22	.344
92	49.97	.336	218	72.90	.304	343	95.65	.348	468	118.40	.341
93	50.15	.340	219	73.08	.301	344	95.83	.349	469	118.58	.339
94	50.33	.344	220	73.27	.298	345	96.02	.349	470	118.77	.336
95	50.52	.348	221	73.45	.295	346	96.20	.350	471	118.95	.333
96	50.70	.353	222	73.63	.291	347	96.38	.350	472	119.13	.330
97	50.88	.358	223	73.81	.288	348	96.56	.351	473	119.31	.328
98	51.06	.363	224	73.99	.284	349	96.74	.351	474	119.49	.325
99	51.24	.369	225	74.18	.281	350	96.93	.352	475	119.68	.323
100	51.43	.374	226	74.36	.278	351	97.11	.352	476	119.86	.320
101	51.61	.382	227	74.54	.275	352	97.29	.353	477	120.04	.318
102	51.79	.391	228	74.72	.273	353	97.47	.353	478	120.22	.315
103	51.97	.401	229	74.90	.271	354	97.65	.354	479	120.40	.313
104	52.15	.411	230	75.09	.269	355	97.84	.354	480	120.59	.310
105	52.34	.421	231	75.27	.267	356	98.02	.355	481	120.77	.308
106	52.52	.430	232	75.45	.265	357	98.20	.355	482	120.95	.305
107	52.70	.417	233	75.63	.263	358	98.38	.356	483	121.13	.303
108	52.88	.404	234	75.81	.260	359	98.56	.356	484	121.31	.301
109	53.06	.393	235	76.00	.258	360	98.75	.357	485	121.50	.299
110	53.25	.382	236	76.18	.256	361	98.93	.357	486	121.68	.297
111	53.43	.372	237	76.36	.254	362	99.11	.358	487	121.86	.295
112	53.61	.343	238	76.54	.252	363	99.29	.358	488	122.04	.293
113	53.79	.308	239	76.72	.251	364	99.47	.359	489	122.22	.291
114	53.97	.280	240	76.91	.250	365	99.66	.360	490	122.41	.289
115	54.16	.257	241	77.09	.249	366	99.84	.360	491	122.59	.287
116	54.34	.237	242	77.27	.249	367	100.02	.361	492	122.77	.285
117	54.52	.221	243	77.45	.244	368	100.20	.361	493	122.95	.283
118	54.70	.222	244	77.63	.244	369	100.38	.362	494	123.13	.281
119	54.88	.221	245	77.82	.245	370	100.57	.362	495	123.32	.279
120	55.07	.222	246	78.00	.245	371	100.75	.363	496	123.50	.277
121	55.25	.223	247	78.18	.246	372	100.93	.363	497	123.68	.275
122	55.43	.224	248	78.36	.247	373	101.11	.364	498	123.86	.272

123	55.61	.225	249	78.54	.247	374	101.29	.364	499	124.04	.270
124	55.79	.226	250	78.73	.249	375	101.48	.365	500	124.23	.269
125	55.98	.227	251	78.91	.250	376	101.66	.365	501	124.41	.267
126	56.16	.228									

0********** JUNCTION VOLUMES (CUFT) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	4.203E+06	127	56.34	1.493E+06	252	79.09	1.317E+06	377	101.84	1.145E+06
2	33.59	4.130E+06	128	56.52	1.487E+06	253	79.27	1.311E+06	378	102.02	1.143E+06
3	33.77	3.985E+06	129	56.70	1.478E+06	254	79.45	1.305E+06	379	102.20	1.141E+06
4	33.95	3.840E+06	130	56.89	1.469E+06	255	79.64	1.299E+06	380	102.39	1.139E+06
5	34.14	3.695E+06	131	57.07	1.461E+06	256	79.82	1.293E+06	381	102.57	1.138E+06
6	34.32	3.551E+06	132	57.25	1.452E+06	257	80.00	1.287E+06	382	102.75	1.136E+06
7	34.50	3.407E+06	133	57.43	1.443E+06	258	80.18	1.282E+06	383	102.93	1.134E+06
8	34.68	3.263E+06	134	57.61	1.435E+06	259	80.36	1.276E+06	384	103.11	1.133E+06
9	34.86	3.119E+06	135	57.80	1.428E+06	260	80.55	1.271E+06	385	103.30	1.131E+06
10	35.05	2.976E+06	136	57.98	1.421E+06	261	80.73	1.267E+06	386	103.48	1.130E+06
11	35.23	2.834E+06	137	58.16	1.413E+06	262	80.91	1.264E+06	387	103.66	1.136E+06
12	35.41	2.691E+06	138	58.34	1.406E+06	263	81.09	1.260E+06	388	103.84	1.144E+06
13	35.59	2.550E+06	139	58.52	1.398E+06	264	81.27	1.257E+06	389	104.02	1.152E+06
14	35.77	2.409E+06	140	58.71	1.389E+06	265	81.46	1.253E+06	390	104.21	1.159E+06
15	35.96	2.268E+06	141	58.89	1.380E+06	266	81.64	1.248E+06	391	104.39	1.167E+06
16	36.14	2.128E+06	142	59.07	1.370E+06	267	81.82	1.243E+06	392	104.57	1.175E+06
17	36.32	1.988E+06	143	59.25	1.361E+06	268	82.00	1.237E+06	393	104.75	1.185E+06
18	36.50	1.849E+06	144	59.43	1.351E+06	269	82.18	1.231E+06	394	104.93	1.195E+06
19	36.68	1.773E+06	145	59.62	1.342E+06	270	82.37	1.225E+06	395	105.12	1.204E+06
20	36.87	1.697E+06	146	59.80	1.335E+06	271	82.55	1.220E+06	396	105.30	1.214E+06
21	37.05	1.621E+06	147	59.98	1.327E+06	272	82.73	1.214E+06	397	105.48	1.223E+06
22	37.23	1.546E+06	148	60.16	1.319E+06	273	82.91	1.208E+06	398	105.66	1.230E+06
23	37.41	1.470E+06	149	60.34	1.311E+06	274	83.09	1.203E+06	399	105.84	1.237E+06
24	37.59	1.430E+06	150	60.53	1.302E+06	275	83.28	1.197E+06	400	106.03	1.244E+06
25	37.78	1.422E+06	151	60.71	1.292E+06	276	83.46	1.192E+06	401	106.21	1.251E+06
26	37.96	1.414E+06	152	60.89	1.282E+06	277	83.64	1.186E+06	402	106.39	1.258E+06
27	38.14	1.406E+06	153	61.07	1.272E+06	278	83.82	1.180E+06	403	106.57	1.263E+06
28	38.32	1.398E+06	154	61.25	1.261E+06	279	84.00	1.175E+06	404	106.75	1.266E+06
29	38.50	1.390E+06	155	61.44	1.251E+06	280	84.19	1.169E+06	405	106.94	1.269E+06
30	38.69	1.382E+06	156	61.62	1.243E+06	281	84.37	1.164E+06	406	107.12	1.273E+06
31	38.87	1.373E+06	157	61.80	1.237E+06	282	84.55	1.159E+06	407	107.30	1.276E+06
32	39.05	1.365E+06	158	61.98	1.231E+06	283	84.73	1.155E+06	408	107.48	1.279E+06
33	39.23	1.357E+06	159	62.16	1.225E+06	284	84.91	1.152E+06	409	107.66	1.282E+06
34	39.41	1.349E+06	160	62.35	1.218E+06	285	85.10	1.148E+06	410	107.85	1.285E+06
35	39.60	1.340E+06	161	62.53	1.212E+06	286	85.28	1.145E+06	411	108.03	1.288E+06
36	39.78	1.330E+06	162	62.71	1.208E+06	287	85.46	1.141E+06	412	108.21	1.292E+06
37	39.96	1.320E+06	163	62.89	1.204E+06	288	85.64	1.136E+06	413	108.39	1.295E+06
38	40.14	1.310E+06	164	63.07	1.200E+06	289	85.82	1.131E+06	414	108.57	1.298E+06
39	40.32	1.300E+06	165	63.26	1.195E+06	290	86.01	1.126E+06	415	108.76	1.301E+06
40	40.51	1.291E+06	166	63.44	1.191E+06	291	86.19	1.120E+06	416	108.94	1.304E+06
41	40.69	1.287E+06	167	63.62	1.185E+06	292	86.37	1.115E+06	417	109.12	1.308E+06
42	40.87	1.283E+06	168	63.80	1.179E+06	293	86.55	1.111E+06	418	109.30	1.311E+06
43	41.05	1.279E+06	169	63.98	1.172E+06	294	86.73	1.112E+06	419	109.48	1.314E+06
44	41.23	1.275E+06	170	64.17	1.165E+06	295	86.92	1.112E+06	420	109.67	1.317E+06
45	41.42	1.271E+06	171	64.35	1.158E+06	296	87.10	1.113E+06	421	109.85	1.320E+06

46	41.60	1.268E+06	172	64.53	1.152E+06	297	87.28	1.113E+06	422	110.03	1.323E+06
47	41.78	1.266E+06	173	64.71	1.147E+06	298	87.46	1.114E+06	423	110.21	1.327E+06
48	41.96	1.264E+06	174	64.89	1.142E+06	299	87.64	1.121E+06	424	110.39	1.330E+06
49	42.14	1.262E+06	175	65.08	1.137E+06	300	87.83	1.129E+06	425	110.58	1.333E+06
50	42.33	1.260E+06	176	65.26	1.132E+06	301	88.01	1.138E+06	426	110.76	1.336E+06
51	42.51	1.259E+06	177	65.44	1.127E+06	302	88.19	1.147E+06	427	110.94	1.339E+06
52	42.69	1.257E+06	178	65.62	1.121E+06	303	88.37	1.155E+06	428	111.12	1.343E+06
53	42.87	1.254E+06	179	65.80	1.113E+06	304	88.55	1.164E+06	429	111.30	1.346E+06
54	43.05	1.252E+06	180	65.99	1.106E+06	305	88.74	1.172E+06	430	111.49	1.349E+06
55	43.24	1.250E+06	181	66.17	1.099E+06	306	88.92	1.181E+06	431	111.67	1.352E+06
56	43.42	1.248E+06	182	66.35	1.091E+06	307	89.10	1.189E+06	432	111.85	1.355E+06
57	43.60	1.246E+06	183	66.53	1.084E+06	308	89.28	1.197E+06	433	112.03	1.359E+06
58	43.78	1.244E+06	184	66.71	1.079E+06	309	89.46	1.206E+06	434	112.21	1.362E+06
59	43.96	1.243E+06	185	66.90	1.073E+06	310	89.65	1.214E+06	435	112.40	1.365E+06
60	44.15	1.241E+06	186	67.08	1.068E+06	311	89.83	1.222E+06	436	112.58	1.368E+06
61	44.33	1.239E+06	187	67.26	1.062E+06	312	90.01	1.230E+06	437	112.76	1.371E+06
62	44.51	1.237E+06	188	67.44	1.056E+06	313	90.19	1.238E+06	438	112.94	1.374E+06
63	44.69	1.235E+06	189	67.62	1.049E+06	314	90.37	1.247E+06	439	113.12	1.378E+06
64	44.87	1.233E+06	190	67.81	1.041E+06	315	90.56	1.252E+06	440	113.31	1.381E+06
65	45.06	1.231E+06	191	67.99	1.033E+06	316	90.74	1.250E+06	441	113.49	1.384E+06
66	45.24	1.230E+06	192	68.17	1.025E+06	317	90.92	1.248E+06	442	113.67	1.393E+06
67	45.42	1.228E+06	193	68.35	1.017E+06	318	91.10	1.246E+06	443	113.85	1.402E+06
68	45.60	1.226E+06	194	68.53	1.010E+06	319	91.28	1.244E+06	444	114.03	1.411E+06
69	45.78	1.224E+06	195	68.72	1.007E+06	320	91.47	1.242E+06	445	114.22	1.420E+06
70	45.97	1.222E+06	196	68.90	1.004E+06	321	91.65	1.241E+06	446	114.40	1.429E+06
71	46.15	1.220E+06	197	69.08	1.001E+06	322	91.83	1.239E+06	447	114.58	1.439E+06
72	46.33	1.217E+06	198	69.26	9.983E+05	323	92.01	1.238E+06	448	114.76	1.450E+06
73	46.51	1.215E+06	199	69.44	9.953E+05	324	92.19	1.236E+06	449	114.94	1.461E+06
74	46.69	1.212E+06	200	69.63	9.944E+05	325	92.38	1.234E+06	450	115.13	1.472E+06
75	46.88	1.210E+06	201	69.81	9.944E+05	326	92.56	1.233E+06	451	115.31	1.484E+06
76	47.06	1.207E+06	202	69.99	9.944E+05	327	92.74	1.231E+06	452	115.49	1.495E+06
77	47.24	1.204E+06	203	70.17	9.944E+05	328	92.92	1.229E+06	453	115.67	1.508E+06
78	47.42	1.201E+06	204	70.35	9.944E+05	329	93.10	1.227E+06	454	115.85	1.522E+06
79	47.60	1.201E+06	205	70.54	9.954E+05	330	93.29	1.225E+06	455	116.04	1.535E+06
80	47.79	1.202E+06	206	70.72	1.000E+06	331	93.47	1.224E+06	456	116.22	1.548E+06
81	47.97	1.204E+06	207	70.90	1.005E+06	332	93.65	1.222E+06	457	116.40	1.562E+06
82	48.15	1.206E+06	208	71.08	1.009E+06	333	93.83	1.220E+06	458	116.58	1.575E+06
83	48.33	1.207E+06	209	71.26	1.014E+06	334	94.01	1.219E+06	459	116.76	1.589E+06
84	48.51	1.206E+06	210	71.45	1.018E+06	335	94.20	1.217E+06	460	116.95	1.603E+06
85	48.70	1.178E+06	211	71.63	1.027E+06	336	94.38	1.216E+06	461	117.13	1.616E+06
86	48.88	1.149E+06	212	71.81	1.037E+06	337	94.56	1.214E+06	462	117.31	1.630E+06
87	49.06	1.121E+06	213	71.99	1.048E+06	338	94.74	1.212E+06	463	117.49	1.644E+06
88	49.24	1.093E+06	214	72.17	1.058E+06	339	94.92	1.210E+06	464	117.67	1.656E+06
89	49.42	1.065E+06	215	72.36	1.069E+06	340	95.11	1.208E+06	465	117.86	1.667E+06
90	49.61	1.047E+06	216	72.54	1.079E+06	341	95.29	1.207E+06	466	118.04	1.679E+06
91	49.79	1.036E+06	217	72.72	1.092E+06	342	95.47	1.205E+06	467	118.22	1.691E+06
92	49.97	1.025E+06	218	72.90	1.104E+06	343	95.65	1.203E+06	468	118.40	1.703E+06
93	50.15	1.014E+06	219	73.08	1.116E+06	344	95.83	1.202E+06	469	118.58	1.716E+06
94	50.33	1.003E+06	220	73.27	1.128E+06	345	96.02	1.200E+06	470	118.77	1.730E+06
95	50.52	9.923E+05	221	73.45	1.140E+06	346	96.20	1.198E+06	471	118.95	1.745E+06
96	50.70	9.781E+05	222	73.63	1.153E+06	347	96.38	1.197E+06	472	119.13	1.759E+06
97	50.88	9.639E+05	223	73.81	1.167E+06	348	96.56	1.195E+06	473	119.31	1.773E+06

98	51.06	9.498E+05	224	73.99	1.181E+06	349	96.74	1.193E+06	474	119.49	1.788E+06
99	51.24	9.357E+05	225	74.18	1.196E+06	350	96.93	1.191E+06	475	119.68	1.802E+06
100	51.43	9.217E+05	226	74.36	1.210E+06	351	97.11	1.190E+06	476	119.86	1.817E+06
101	51.61	9.033E+05	227	74.54	1.222E+06	352	97.29	1.188E+06	477	120.04	1.831E+06
102	51.79	8.820E+05	228	74.72	1.232E+06	353	97.47	1.186E+06	478	120.22	1.845E+06
103	51.97	8.608E+05	229	74.90	1.241E+06	354	97.65	1.184E+06	479	120.40	1.860E+06
104	52.15	8.397E+05	230	75.09	1.250E+06	355	97.84	1.183E+06	480	120.59	1.874E+06
105	52.34	8.186E+05	231	75.27	1.259E+06	356	98.02	1.181E+06	481	120.77	1.889E+06
106	52.52	8.024E+05	232	75.45	1.268E+06	357	98.20	1.180E+06	482	120.95	1.903E+06
107	52.70	8.277E+05	233	75.63	1.278E+06	358	98.38	1.178E+06	483	121.13	1.918E+06
108	52.88	8.529E+05	234	75.81	1.290E+06	359	98.56	1.176E+06	484	121.31	1.933E+06
109	53.06	8.780E+05	235	76.00	1.301E+06	360	98.75	1.174E+06	485	121.50	1.947E+06
110	53.25	9.031E+05	236	76.18	1.312E+06	361	98.93	1.173E+06	486	121.68	1.960E+06
111	53.43	9.280E+05	237	76.36	1.323E+06	362	99.11	1.171E+06	487	121.86	1.973E+06
112	53.61	1.006E+06	238	76.54	1.332E+06	363	99.29	1.169E+06	488	122.04	1.985E+06
113	53.79	1.119E+06	239	76.72	1.337E+06	364	99.47	1.167E+06	489	122.22	1.998E+06
114	53.97	1.232E+06	240	76.91	1.341E+06	365	99.66	1.166E+06	490	122.41	2.011E+06
115	54.16	1.344E+06	241	77.09	1.346E+06	366	99.84	1.164E+06	491	122.59	2.025E+06
116	54.34	1.457E+06	242	77.27	1.351E+06	367	100.02	1.162E+06	492	122.77	2.040E+06
117	54.52	1.556E+06	243	77.45	1.355E+06	368	100.20	1.161E+06	493	122.95	2.055E+06
118	54.70	1.550E+06	244	77.63	1.353E+06	369	100.38	1.159E+06	494	123.13	2.070E+06
119	54.88	1.543E+06	245	77.82	1.350E+06	370	100.57	1.157E+06	495	123.32	2.085E+06
120	55.07	1.537E+06	246	78.00	1.346E+06	371	100.75	1.156E+06	496	123.50	2.100E+06
121	55.25	1.531E+06	247	78.18	1.342E+06	372	100.93	1.154E+06	497	123.68	2.116E+06
122	55.43	1.525E+06	248	78.36	1.338E+06	373	101.11	1.152E+06	498	123.86	2.131E+06
123	55.61	1.518E+06	249	78.54	1.334E+06	374	101.29	1.150E+06	499	124.04	2.146E+06
124	55.79	1.512E+06	250	78.73	1.328E+06	375	101.48	1.148E+06	500	124.23	2.161E+06
125	55.98	1.506E+06	251	78.91	1.322E+06	376	101.66	1.147E+06	501	124.41	2.177E+06
126	56.16	1.500E+06									

0********** OWENS EDWARDS AND GIBBS CORRELATION **********

WIND INDUCED REAERATION WAS USED FOR THE FOLLOW SEGMENTS

1	2	3	4	5	6	7	8	9	10	11	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	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501									

0********** COMPUTED REAERATION RATES (1/DAY) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.057	127	56.34	.139	252	79.09	.187	377	101.84	.181

2	33.59	.058	128	56.52	.140	253	79.27	.187	378	102.02	.181
3	33.77	.060	129	56.70	.141	254	79.45	.188	379	102.20	.181
4	33.95	.062	130	56.89	.143	255	79.64	.188	380	102.39	.181
5	34.14	.065	131	57.07	.144	256	79.82	.189	381	102.57	.181
6	34.32	.067	132	57.25	.145	257	80.00	.190	382	102.75	.181
7	34.50	.070	133	57.43	.146	258	80.18	.190	383	102.93	.181
8	34.68	.073	134	57.61	.148	259	80.36	.191	384	103.11	.181
9	34.86	.076	135	57.80	.149	260	80.55	.192	385	103.30	.181
10	35.05	.080	136	57.98	.150	261	80.73	.192	386	103.48	.181
11	35.23	.083	137	58.16	.151	262	80.91	.192	387	103.66	.180
12	35.41	.088	138	58.34	.152	263	81.09	.193	388	103.84	.179
13	35.59	.092	139	58.52	.154	264	81.27	.193	389	104.02	.177
14	35.77	.098	140	58.71	.155	265	81.46	.193	390	104.21	.176
15	35.96	.104	141	58.89	.157	266	81.64	.194	391	104.39	.175
16	36.14	.110	142	59.07	.158	267	81.82	.194	392	104.57	.173
17	36.32	.118	143	59.25	.160	268	82.00	.195	393	104.75	.172
18	36.50	.127	144	59.43	.161	269	82.18	.196	394	104.93	.170
19	36.68	.132	145	59.62	.163	270	82.37	.196	395	105.12	.169
20	36.87	.137	146	59.80	.164	271	82.55	.197	396	105.30	.167
21	37.05	.144	147	59.98	.165	272	82.73	.198	397	105.48	.166
22	37.23	.150	148	60.16	.167	273	82.91	.198	398	105.66	.165
23	37.41	.158	149	60.34	.168	274	83.09	.199	399	105.84	.164
24	37.59	.162	150	60.53	.170	275	83.28	.200	400	106.03	.163
25	37.78	.163	151	60.71	.172	276	83.46	.201	401	106.21	.162
26	37.96	.164	152	60.89	.174	277	83.64	.201	402	106.39	.161
27	38.14	.164	153	61.07	.175	278	83.82	.202	403	106.57	.161
28	38.32	.165	154	61.25	.177	279	84.00	.203	404	106.75	.161
29	38.50	.166	155	61.44	.179	280	84.19	.203	405	106.94	.161
30	38.69	.166	156	61.62	.181	281	84.37	.204	406	107.12	.161
31	38.87	.167	157	61.80	.182	282	84.55	.205	407	107.30	.161
32	39.05	.168	158	61.98	.184	283	84.73	.205	408	107.48	.161
33	39.23	.169	159	62.16	.185	284	84.91	.205	409	107.66	.161
34	39.41	.169	160	62.35	.187	285	85.10	.206	410	107.85	.161
35	39.60	.170	161	62.53	.188	286	85.28	.206	411	108.03	.161
36	39.78	.171	162	62.71	.189	287	85.46	.207	412	108.21	.161
37	39.96	.172	163	62.89	.191	288	85.64	.207	413	108.39	.161
38	40.14	.173	164	63.07	.192	289	85.82	.208	414	108.57	.161
39	40.32	.174	165	63.26	.193	290	86.01	.209	415	108.76	.161
40	40.51	.175	166	63.44	.195	291	86.19	.209	416	108.94	.161
41	40.69	.176	167	63.62	.196	292	86.37	.210	417	109.12	.161
42	40.87	.176	168	63.80	.198	293	86.55	.211	418	109.30	.161
43	41.05	.176	169	63.98	.200	294	86.73	.210	419	109.48	.161
44	41.23	.176	170	64.17	.201	295	86.92	.210	420	109.67	.161
45	41.42	.177	171	64.35	.203	296	87.10	.210	421	109.85	.161
46	41.60	.177	172	64.53	.205	297	87.28	.209	422	110.03	.161
47	41.78	.177	173	64.71	.206	298	87.46	.209	423	110.21	.161
48	41.96	.177	174	64.89	.208	299	87.64	.207	424	110.39	.161
49	42.14	.177	175	65.08	.209	300	87.83	.205	425	110.58	.161
50	42.33	.177	176	65.26	.211	301	88.01	.204	426	110.76	.161
51	42.51	.177	177	65.44	.212	302	88.19	.202	427	110.94	.161
52	42.69	.177	178	65.62	.214	303	88.37	.200	428	111.12	.161
53	42.87	.177	179	65.80	.216	304	88.55	.198	429	111.30	.161

54	43.05	.177	180	65.99	.218	305	88.74	.197	430	111.49	.161
55	43.24	.177	181	66.17	.220	306	88.92	.195	431	111.67	.161
56	43.42	.177	182	66.35	.223	307	89.10	.193	432	111.85	.161
57	43.60	.177	183	66.53	.225	308	89.28	.192	433	112.03	.161
58	43.78	.177	184	66.71	.226	309	89.46	.190	434	112.21	.161
59	43.96	.177	185	66.90	.228	310	89.65	.188	435	112.40	.161
60	44.15	.177	186	67.08	.230	311	89.83	.187	436	112.58	.161
61	44.33	.177	187	67.26	.232	312	90.01	.185	437	112.76	.161
62	44.51	.177	188	67.44	.234	313	90.19	.184	438	112.94	.161
63	44.69	.177	189	67.62	.236	314	90.37	.182	439	113.12	.161
64	44.87	.177	190	67.81	.239	315	90.56	.181	440	113.31	.161
65	45.06	.177	191	67.99	.241	316	90.74	.181	441	113.49	.161
66	45.24	.177	192	68.17	.244	317	90.92	.181	442	113.67	.160
67	45.42	.177	193	68.35	.246	318	91.10	.181	443	113.85	.159
68	45.60	.177	194	68.53	.249	319	91.28	.181	444	114.03	.159
69	45.78	.177	195	68.72	.250	320	91.47	.181	445	114.22	.158
70	45.97	.177	196	68.90	.251	321	91.65	.181	446	114.40	.157
71	46.15	.177	197	69.08	.252	322	91.83	.181	447	114.58	.157
72	46.33	.177	198	69.26	.253	323	92.01	.181	448	114.76	.156
73	46.51	.177	199	69.44	.254	324	92.19	.181	449	114.94	.155
74	46.69	.177	200	69.63	.254	325	92.38	.181	450	115.13	.154
75	46.88	.177	201	69.81	.254	326	92.56	.181	451	115.31	.153
76	47.06	.178	202	69.99	.254	327	92.74	.181	452	115.49	.152
77	47.24	.178	203	70.17	.254	328	92.92	.181	453	115.67	.151
78	47.42	.178	204	70.35	.254	329	93.10	.181	454	115.85	.150
79	47.60	.178	205	70.54	.254	330	93.29	.181	455	116.04	.149
80	47.79	.177	206	70.72	.254	331	93.47	.181	456	116.22	.148
81	47.97	.177	207	70.90	.254	332	93.65	.181	457	116.40	.147
82	48.15	.176	208	71.08	.254	333	93.83	.181	458	116.58	.147
83	48.33	.176	209	71.26	.254	334	94.01	.181	459	116.76	.146
84	48.51	.176	210	71.45	.254	335	94.20	.181	460	116.95	.145
85	48.70	.180	211	71.63	.253	336	94.38	.181	461	117.13	.144
86	48.88	.184	212	71.81	.250	337	94.56	.181	462	117.31	.143
87	49.06	.188	213	71.99	.247	338	94.74	.181	463	117.49	.142
88	49.24	.192	214	72.17	.244	339	94.92	.181	464	117.67	.141
89	49.42	.197	215	72.36	.242	340	95.11	.181	465	117.86	.141
90	49.61	.200	216	72.54	.239	341	95.29	.181	466	118.04	.140
91	49.79	.202	217	72.72	.236	342	95.47	.181	467	118.22	.139
92	49.97	.203	218	72.90	.233	343	95.65	.181	468	118.40	.139
93	50.15	.205	219	73.08	.231	344	95.83	.181	469	118.58	.138
94	50.33	.207	220	73.27	.228	345	96.02	.181	470	118.77	.137
95	50.52	.209	221	73.45	.225	346	96.20	.181	471	118.95	.136
96	50.70	.212	222	73.63	.222	347	96.38	.181	472	119.13	.135
97	50.88	.214	223	73.81	.219	348	96.56	.181	473	119.31	.135
98	51.06	.217	224	73.99	.216	349	96.74	.181	474	119.49	.134
99	51.24	.220	225	74.18	.214	350	96.93	.181	475	119.68	.133
100	51.43	.223	226	74.36	.211	351	97.11	.181	476	119.86	.132
101	51.61	.227	227	74.54	.208	352	97.29	.181	477	120.04	.131
102	51.79	.232	228	74.72	.206	353	97.47	.181	478	120.22	.131
103	51.97	.238	229	74.90	.205	354	97.65	.181	479	120.40	.130
104	52.15	.243	230	75.09	.203	355	97.84	.181	480	120.59	.129
105	52.34	.249	231	75.27	.201	356	98.02	.181	481	120.77	.129

106	52.52	.254	232	75.45	.199	357	98.20	.181	482	120.95	.128
107	52.70	.245	233	75.63	.197	358	98.38	.181	483	121.13	.127
108	52.88	.238	234	75.81	.195	359	98.56	.181	484	121.31	.126
109	53.06	.231	235	76.00	.193	360	98.75	.181	485	121.50	.126
110	53.25	.224	236	76.18	.191	361	98.93	.181	486	121.68	.125
111	53.43	.218	237	76.36	.189	362	99.11	.181	487	121.86	.125
112	53.61	.200	238	76.54	.188	363	99.29	.181	488	122.04	.124
113	53.79	.180	239	76.72	.187	364	99.47	.181	489	122.22	.124
114	53.97	.164	240	76.91	.186	365	99.66	.181	490	122.41	.123
115	54.16	.150	241	77.09	.185	366	99.84	.181	491	122.59	.122
116	54.34	.138	242	77.27	.184	367	100.02	.181	492	122.77	.122
117	54.52	.130	243	77.45	.183	368	100.20	.181	493	122.95	.121
118	54.70	.131	244	77.63	.183	369	100.38	.181	494	123.13	.121
119	54.88	.132	245	77.82	.184	370	100.57	.181	495	123.32	.120
120	55.07	.132	246	78.00	.184	371	100.75	.181	496	123.50	.119
121	55.25	.133	247	78.18	.184	372	100.93	.181	497	123.68	.119
122	55.43	.134	248	78.36	.184	373	101.11	.181	498	123.86	.118
123	55.61	.135	249	78.54	.185	374	101.29	.181	499	124.04	.117
124	55.79	.136	250	78.73	.185	375	101.48	.181	500	124.23	.117
125	55.98	.137	251	78.91	.186	376	101.66	.181	501	124.41	.116
126	56.16	.138									

1**********

****

********** STEADY STATE FLOW CONDITIONS **********

****

********** TOTAL INFLOWS = 621.3 CFS **********

********** TOTAL DIVERSIONS = 262.0 CFS **********

********** OUTFLOW AT DOWNSTREAM JUNCTION = 359.3 CFS **********

****

****

0********** POINT SOURCE INFLOWS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.290	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	3.868	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000

20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.007	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.037	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.002	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.193	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.034	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.015
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.348	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.023	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.005	447	114.58	.000

72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.017	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	2.300	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.002	212	71.81	.000	337	94.56	.006	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.030
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.093
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.009	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.017	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	1.296	243	77.45	5.802	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	1.934	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.967
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000

124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	604.000
126	56.16	.000									

0********** NONPOINT SOURCE INFLOWS (CFS) (EXCLUDING RAINFALL) **********

ALL VALUES = 0.000E+00

0********** POINT DIVERSIONS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	359.296	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	169.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000

45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	93.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000

97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	.000	243	77.45	.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	.000
126	56.16	.000									

0********** NONPOINT DIVERSIONS OR LOSSES (CFS) (EXCLUDING EVAPORATION) **********

ALL VALUES = 0.000E+00

0********** JUNCT*N FLOWS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	-359.296	127	56.34	-355.718	252	79.09	-343.515	377	101.84	-436.105
2	33.59	-359.006	128	56.52	-355.718	253	79.27	-343.515	378	102.02	-436.105
3	33.77	-359.006	129	56.70	-355.718	254	79.45	-343.515	379	102.20	-436.105
4	33.95	-359.006	130	56.89	-355.718	255	79.64	-343.515	380	102.39	-436.105
5	34.14	-359.006	131	57.07	-355.718	256	79.82	-343.515	381	102.57	-436.105
6	34.32	-359.006	132	57.25	-355.718	257	80.00	-343.515	382	102.75	-436.105
7	34.50	-359.006	133	57.43	-355.718	258	80.18	-343.515	383	102.93	-436.105
8	34.68	-359.006	134	57.61	-355.718	259	80.36	-343.515	384	103.11	-436.105
9	34.86	-359.006	135	57.80	-351.850	260	80.55	-343.515	385	103.30	-436.105
10	35.05	-359.006	136	57.98	-351.850	261	80.73	-343.515	386	103.48	-436.105
11	35.23	-359.006	137	58.16	-351.850	262	80.91	-343.515	387	103.66	-436.105
12	35.41	-359.006	138	58.34	-351.850	263	81.09	-343.515	388	103.84	-436.105
13	35.59	-359.006	139	58.52	-351.850	264	81.27	-343.515	389	104.02	-436.105
14	35.77	-359.006	140	58.71	-351.850	265	81.46	-343.515	390	104.21	-436.105
15	35.96	-359.006	141	58.89	-351.850	266	81.64	-343.515	391	104.39	-436.105
16	36.14	-359.006	142	59.07	-351.850	267	81.82	-343.515	392	104.57	-436.105
17	36.32	-359.006	143	59.25	-351.850	268	82.00	-343.515	393	104.75	-436.105

18	36.50	-359.006	144	59.43	-351.850	269	82.18	-343.515	394	104.93	-436.105
19	36.68	-359.006	145	59.62	-351.850	270	82.37	-343.515	395	105.12	-436.105
20	36.87	-359.006	146	59.80	-351.850	271	82.55	-343.515	396	105.30	-436.105
21	37.05	-359.006	147	59.98	-351.850	272	82.73	-343.515	397	105.48	-605.105
22	37.23	-359.006	148	60.16	-351.850	273	82.91	-343.515	398	105.66	-605.105
23	37.41	-359.006	149	60.34	-351.850	274	83.09	-343.515	399	105.84	-605.105
24	37.59	-359.006	150	60.53	-351.850	275	83.28	-343.515	400	106.03	-605.105
25	37.78	-359.006	151	60.71	-351.850	276	83.46	-343.515	401	106.21	-605.105
26	37.96	-359.006	152	60.89	-351.850	277	83.64	-343.515	402	106.39	-605.105
27	38.14	-358.999	153	61.07	-351.850	278	83.82	-343.515	403	106.57	-605.105
28	38.32	-358.999	154	61.25	-351.850	279	84.00	-343.515	404	106.75	-605.105
29	38.50	-358.999	155	61.44	-351.850	280	84.19	-343.515	405	106.94	-605.105
30	38.69	-358.999	156	61.62	-351.850	281	84.37	-343.515	406	107.12	-605.105
31	38.87	-358.999	157	61.80	-351.850	282	84.55	-343.515	407	107.30	-605.105
32	39.05	-358.999	158	61.98	-351.813	283	84.73	-343.515	408	107.48	-605.105
33	39.23	-358.999	159	62.16	-351.813	284	84.91	-343.515	409	107.66	-605.105
34	39.41	-358.999	160	62.35	-351.813	285	85.10	-343.515	410	107.85	-605.105
35	39.60	-358.999	161	62.53	-351.813	286	85.28	-343.515	411	108.03	-605.105
36	39.78	-358.999	162	62.71	-351.813	287	85.46	-343.515	412	108.21	-605.105
37	39.96	-358.999	163	62.89	-351.811	288	85.64	-343.515	413	108.39	-605.105
38	40.14	-358.999	164	63.07	-351.811	289	85.82	-343.515	414	108.57	-605.105
39	40.32	-358.999	165	63.26	-351.811	290	86.01	-343.515	415	108.76	-605.105
40	40.51	-358.999	166	63.44	-351.811	291	86.19	-343.515	416	108.94	-605.105
41	40.69	-358.999	167	63.62	-351.811	292	86.37	-343.515	417	109.12	-605.105
42	40.87	-358.999	168	63.80	-351.617	293	86.55	-343.515	418	109.30	-605.105
43	41.05	-358.999	169	63.98	-351.617	294	86.73	-343.515	419	109.48	-605.105
44	41.23	-358.999	170	64.17	-351.617	295	86.92	-343.515	420	109.67	-605.105
45	41.42	-358.999	171	64.35	-351.617	296	87.10	-343.515	421	109.85	-605.105
46	41.60	-358.999	172	64.53	-351.617	297	87.28	-343.515	422	110.03	-605.105
47	41.78	-358.999	173	64.71	-351.617	298	87.46	-343.515	423	110.21	-605.105
48	41.96	-358.999	174	64.89	-351.617	299	87.64	-343.515	424	110.39	-605.105
49	42.14	-358.999	175	65.08	-351.617	300	87.83	-436.515	425	110.58	-605.105
50	42.33	-358.999	176	65.26	-351.617	301	88.01	-436.515	426	110.76	-605.105
51	42.51	-358.999	177	65.44	-351.617	302	88.19	-436.515	427	110.94	-605.105
52	42.69	-358.999	178	65.62	-351.617	303	88.37	-436.515	428	111.12	-605.105
53	42.87	-358.999	179	65.80	-351.617	304	88.55	-436.481	429	111.30	-605.105
54	43.05	-358.999	180	65.99	-351.617	305	88.74	-436.481	430	111.49	-605.105
55	43.24	-358.999	181	66.17	-351.617	306	88.92	-436.481	431	111.67	-605.105
56	43.42	-358.999	182	66.35	-351.617	307	89.10	-436.481	432	111.85	-605.105
57	43.60	-358.999	183	66.53	-351.617	308	89.28	-436.481	433	112.03	-605.105
58	43.78	-358.999	184	66.71	-351.617	309	89.46	-436.481	434	112.21	-605.105
59	43.96	-358.999	185	66.90	-351.617	310	89.65	-436.481	435	112.40	-605.105
60	44.15	-358.999	186	67.08	-351.617	311	89.83	-436.481	436	112.58	-605.105
61	44.33	-358.999	187	67.26	-351.617	312	90.01	-436.481	437	112.76	-605.105
62	44.51	-358.999	188	67.44	-351.617	313	90.19	-436.481	438	112.94	-605.105
63	44.69	-358.999	189	67.62	-351.617	314	90.37	-436.481	439	113.12	-605.090
64	44.87	-358.999	190	67.81	-351.617	315	90.56	-436.481	440	113.31	-605.090
65	45.06	-358.999	191	67.99	-351.617	316	90.74	-436.133	441	113.49	-605.090
66	45.24	-358.999	192	68.17	-351.617	317	90.92	-436.133	442	113.67	-605.090
67	45.42	-358.976	193	68.35	-351.617	318	91.10	-436.133	443	113.85	-605.090
68	45.60	-358.976	194	68.53	-351.617	319	91.28	-436.133	444	114.03	-605.090
69	45.78	-358.976	195	68.72	-351.617	320	91.47	-436.133	445	114.22	-605.090

70	45.97	-358.976	196	68.90	-351.617	321	91.65	-436.133	446	114.40	-605.090
71	46.15	-358.976	197	69.08	-351.617	322	91.83	-436.128	447	114.58	-605.090
72	46.33	-358.976	198	69.26	-351.617	323	92.01	-436.128	448	114.76	-605.090
73	46.51	-358.976	199	69.44	-351.617	324	92.19	-436.128	449	114.94	-605.090
74	46.69	-358.959	200	69.63	-351.617	325	92.38	-436.128	450	115.13	-605.090
75	46.88	-358.959	201	69.81	-351.617	326	92.56	-436.128	451	115.31	-605.090
76	47.06	-358.959	202	69.99	-351.617	327	92.74	-436.128	452	115.49	-605.090
77	47.24	-358.959	203	70.17	-351.617	328	92.92	-436.128	453	115.67	-605.090
78	47.42	-358.959	204	70.35	-351.617	329	93.10	-436.128	454	115.85	-605.090
79	47.60	-358.959	205	70.54	-351.617	330	93.29	-436.128	455	116.04	-605.090
80	47.79	-358.959	206	70.72	-351.617	331	93.47	-436.128	456	116.22	-605.090
81	47.97	-358.959	207	70.90	-351.617	332	93.65	-436.128	457	116.40	-605.090
82	48.15	-358.959	208	71.08	-351.617	333	93.83	-436.128	458	116.58	-605.090
83	48.33	-358.959	209	71.26	-351.617	334	94.01	-436.128	459	116.76	-605.090
84	48.51	-358.959	210	71.45	-349.317	335	94.20	-436.128	460	116.95	-605.090
85	48.70	-358.959	211	71.63	-349.317	336	94.38	-436.128	461	117.13	-605.090
86	48.88	-358.957	212	71.81	-349.317	337	94.56	-436.123	462	117.31	-605.090
87	49.06	-358.957	213	71.99	-349.317	338	94.74	-436.123	463	117.49	-605.090
88	49.24	-358.957	214	72.17	-349.317	339	94.92	-436.123	464	117.67	-605.060
89	49.42	-358.957	215	72.36	-349.317	340	95.11	-436.123	465	117.86	-604.967
90	49.61	-358.957	216	72.54	-349.317	341	95.29	-436.123	466	118.04	-604.967
91	49.79	-358.957	217	72.72	-349.317	342	95.47	-436.123	467	118.22	-604.967
92	49.97	-358.957	218	72.90	-349.317	343	95.65	-436.123	468	118.40	-604.967
93	50.15	-358.948	219	73.08	-349.317	344	95.83	-436.123	469	118.58	-604.967
94	50.33	-358.948	220	73.27	-349.317	345	96.02	-436.123	470	118.77	-604.967
95	50.52	-358.948	221	73.45	-349.317	346	96.20	-436.123	471	118.95	-604.967
96	50.70	-358.948	222	73.63	-349.317	347	96.38	-436.123	472	119.13	-604.967
97	50.88	-358.948	223	73.81	-349.317	348	96.56	-436.123	473	119.31	-604.967
98	51.06	-358.948	224	73.99	-349.317	349	96.74	-436.123	474	119.49	-604.967
99	51.24	-358.948	225	74.18	-349.317	350	96.93	-436.123	475	119.68	-604.967
100	51.43	-358.948	226	74.36	-349.317	351	97.11	-436.123	476	119.86	-604.967
101	51.61	-358.948	227	74.54	-349.317	352	97.29	-436.123	477	120.04	-604.967
102	51.79	-358.948	228	74.72	-349.317	353	97.47	-436.123	478	120.22	-604.967
103	51.97	-358.948	229	74.90	-349.317	354	97.65	-436.123	479	120.40	-604.967
104	52.15	-358.948	230	75.09	-349.317	355	97.84	-436.123	480	120.59	-604.967
105	52.34	-358.948	231	75.27	-349.317	356	98.02	-436.123	481	120.77	-604.967
106	52.52	-358.948	232	75.45	-349.317	357	98.20	-436.123	482	120.95	-604.967
107	52.70	-358.948	233	75.63	-349.317	358	98.38	-436.105	483	121.13	-604.967
108	52.88	-358.948	234	75.81	-349.317	359	98.56	-436.105	484	121.31	-604.967
109	53.06	-358.948	235	76.00	-349.317	360	98.75	-436.105	485	121.50	-604.967
110	53.25	-358.948	236	76.18	-349.317	361	98.93	-436.105	486	121.68	-604.967
111	53.43	-358.948	237	76.36	-349.317	362	99.11	-436.105	487	121.86	-604.967
112	53.61	-358.948	238	76.54	-349.317	363	99.29	-436.105	488	122.04	-604.967
113	53.79	-358.948	239	76.72	-349.317	364	99.47	-436.105	489	122.22	-604.967
114	53.97	-358.948	240	76.91	-349.317	365	99.66	-436.105	490	122.41	-604.967
115	54.16	-358.948	241	77.09	-349.317	366	99.84	-436.105	491	122.59	-604.967
116	54.34	-358.948	242	77.27	-349.317	367	100.02	-436.105	492	122.77	-604.967
117	54.52	-357.652	243	77.45	-343.515	368	100.20	-436.105	493	122.95	-604.967
118	54.70	-357.652	244	77.63	-343.515	369	100.38	-436.105	494	123.13	-604.967
119	54.88	-355.718	245	77.82	-343.515	370	100.57	-436.105	495	123.32	-604.967
120	55.07	-355.718	246	78.00	-343.515	371	100.75	-436.105	496	123.50	-604.967
121	55.25	-355.718	247	78.18	-343.515	372	100.93	-436.105	497	123.68	-604.967

122	55.43	-355.718	248	78.36	-343.515	373	101.11	-436.105	498	123.86	-604.000
123	55.61	-355.718	249	78.54	-343.515	374	101.29	-436.105	499	124.04	-604.000
124	55.79	-355.718	250	78.73	-343.515	375	101.48	-436.105	500	124.23	-604.000
125	55.98	-355.718	251	78.91	-343.515	376	101.66	-436.105	501	124.41	-604.000
126	56.16	-355.718									

0********** RESIDENCE TIME (DAYS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	19.189	127	56.34	13.124	252	79.09	8.151	377	101.84	3.766
2	33.59	19.054	128	56.52	13.075	253	79.27	8.107	378	102.02	3.736
3	33.77	18.920	129	56.70	13.027	254	79.45	8.063	379	102.20	3.705
4	33.95	18.792	130	56.89	12.979	255	79.64	8.019	380	102.39	3.675
5	34.14	18.668	131	57.07	12.931	256	79.82	7.975	381	102.57	3.645
6	34.32	18.549	132	57.25	12.884	257	80.00	7.931	382	102.75	3.615
7	34.50	18.435	133	57.43	12.836	258	80.18	7.888	383	102.93	3.584
8	34.68	18.325	134	57.61	12.789	259	80.36	7.845	384	103.11	3.554
9	34.86	18.220	135	57.80	12.743	260	80.55	7.802	385	103.30	3.524
10	35.05	18.119	136	57.98	12.696	261	80.73	7.759	386	103.48	3.494
11	35.23	18.023	137	58.16	12.649	262	80.91	7.716	387	103.66	3.464
12	35.41	17.932	138	58.34	12.602	263	81.09	7.674	388	103.84	3.434
13	35.59	17.845	139	58.52	12.556	264	81.27	7.631	389	104.02	3.404
14	35.77	17.763	140	58.71	12.510	265	81.46	7.589	390	104.21	3.373
15	35.96	17.685	141	58.89	12.464	266	81.64	7.547	391	104.39	3.342
16	36.14	17.612	142	59.07	12.419	267	81.82	7.504	392	104.57	3.311
17	36.32	17.543	143	59.25	12.374	268	82.00	7.463	393	104.75	3.280
18	36.50	17.479	144	59.43	12.329	269	82.18	7.421	394	104.93	3.249
19	36.68	17.420	145	59.62	12.285	270	82.37	7.379	395	105.12	3.217
20	36.87	17.363	146	59.80	12.241	271	82.55	7.338	396	105.30	3.185
21	37.05	17.308	147	59.98	12.197	272	82.73	7.297	397	105.48	3.153
22	37.23	17.256	148	60.16	12.153	273	82.91	7.256	398	105.66	3.130
23	37.41	17.206	149	60.34	12.110	274	83.09	7.215	399	105.84	3.106
24	37.59	17.158	150	60.53	12.067	275	83.28	7.175	400	106.03	3.082
25	37.78	17.112	151	60.71	12.024	276	83.46	7.135	401	106.21	3.059
26	37.96	17.066	152	60.89	11.981	277	83.64	7.094	402	106.39	3.035
27	38.14	17.021	153	61.07	11.939	278	83.82	7.054	403	106.57	3.011
28	38.32	16.976	154	61.25	11.897	279	84.00	7.015	404	106.75	2.986
29	38.50	16.930	155	61.44	11.856	280	84.19	6.975	405	106.94	2.962
30	38.69	16.886	156	61.62	11.815	281	84.37	6.936	406	107.12	2.938
31	38.87	16.841	157	61.80	11.774	282	84.55	6.897	407	107.30	2.914
32	39.05	16.797	158	61.98	11.733	283	84.73	6.857	408	107.48	2.889
33	39.23	16.753	159	62.16	11.693	284	84.91	6.819	409	107.66	2.865
34	39.41	16.709	160	62.35	11.652	285	85.10	6.780	410	107.85	2.840
35	39.60	16.666	161	62.53	11.612	286	85.28	6.741	411	108.03	2.816
36	39.78	16.622	162	62.71	11.572	287	85.46	6.702	412	108.21	2.791
37	39.96	16.579	163	62.89	11.533	288	85.64	6.664	413	108.39	2.766
38	40.14	16.537	164	63.07	11.493	289	85.82	6.626	414	108.57	2.741
39	40.32	16.495	165	63.26	11.454	290	86.01	6.588	415	108.76	2.717
40	40.51	16.453	166	63.44	11.414	291	86.19	6.550	416	108.94	2.692
41	40.69	16.411	167	63.62	11.375	292	86.37	6.512	417	109.12	2.667
42	40.87	16.370	168	63.80	11.336	293	86.55	6.474	418	109.30	2.642
43	41.05	16.328	169	63.98	11.297	294	86.73	6.437	419	109.48	2.617
44	41.23	16.287	170	64.17	11.259	295	86.92	6.400	420	109.67	2.592

45	41.42	16.246	171	64.35	11.220	296	87.10	6.362	421	109.85	2.566
46	41.60	16.205	172	64.53	11.182	297	87.28	6.325	422	110.03	2.541
47	41.78	16.164	173	64.71	11.144	298	87.46	6.287	423	110.21	2.516
48	41.96	16.123	174	64.89	11.106	299	87.64	6.250	424	110.39	2.490
49	42.14	16.083	175	65.08	11.069	300	87.83	6.212	425	110.58	2.465
50	42.33	16.042	176	65.26	11.031	301	88.01	6.182	426	110.76	2.440
51	42.51	16.001	177	65.44	10.994	302	88.19	6.152	427	110.94	2.414
52	42.69	15.961	178	65.62	10.957	303	88.37	6.121	428	111.12	2.388
53	42.87	15.920	179	65.80	10.920	304	88.55	6.091	429	111.30	2.363
54	43.05	15.880	180	65.99	10.884	305	88.74	6.060	430	111.49	2.337
55	43.24	15.839	181	66.17	10.847	306	88.92	6.029	431	111.67	2.311
56	43.42	15.799	182	66.35	10.811	307	89.10	5.997	432	111.85	2.285
57	43.60	15.759	183	66.53	10.775	308	89.28	5.966	433	112.03	2.259
58	43.78	15.719	184	66.71	10.739	309	89.46	5.934	434	112.21	2.233
59	43.96	15.678	185	66.90	10.704	310	89.65	5.902	435	112.40	2.207
60	44.15	15.638	186	67.08	10.669	311	89.83	5.870	436	112.58	2.181
61	44.33	15.598	187	67.26	10.633	312	90.01	5.838	437	112.76	2.155
62	44.51	15.558	188	67.44	10.598	313	90.19	5.805	438	112.94	2.129
63	44.69	15.519	189	67.62	10.564	314	90.37	5.772	439	113.12	2.103
64	44.87	15.479	190	67.81	10.529	315	90.56	5.739	440	113.31	2.076
65	45.06	15.439	191	67.99	10.495	316	90.74	5.706	441	113.49	2.050
66	45.24	15.399	192	68.17	10.461	317	90.92	5.673	442	113.67	2.023
67	45.42	15.360	193	68.35	10.427	318	91.10	5.640	443	113.85	1.997
68	45.60	15.320	194	68.53	10.394	319	91.28	5.606	444	114.03	1.970
69	45.78	15.281	195	68.72	10.360	320	91.47	5.573	445	114.22	1.943
70	45.97	15.241	196	68.90	10.327	321	91.65	5.540	446	114.40	1.916
71	46.15	15.202	197	69.08	10.294	322	91.83	5.508	447	114.58	1.888
72	46.33	15.162	198	69.26	10.261	323	92.01	5.475	448	114.76	1.861
73	46.51	15.123	199	69.44	10.228	324	92.19	5.442	449	114.94	1.833
74	46.69	15.084	200	69.63	10.196	325	92.38	5.409	450	115.13	1.805
75	46.88	15.045	201	69.81	10.163	326	92.56	5.376	451	115.31	1.777
76	47.06	15.006	202	69.99	10.130	327	92.74	5.344	452	115.49	1.749
77	47.24	14.967	203	70.17	10.097	328	92.92	5.311	453	115.67	1.720
78	47.42	14.928	204	70.35	10.065	329	93.10	5.278	454	115.85	1.691
79	47.60	14.889	205	70.54	10.032	330	93.29	5.246	455	116.04	1.662
80	47.79	14.851	206	70.72	9.999	331	93.47	5.213	456	116.22	1.633
81	47.97	14.812	207	70.90	9.966	332	93.65	5.181	457	116.40	1.603
82	48.15	14.773	208	71.08	9.933	333	93.83	5.148	458	116.58	1.573
83	48.33	14.734	209	71.26	9.900	334	94.01	5.116	459	116.76	1.543
84	48.51	14.695	210	71.45	9.867	335	94.20	5.084	460	116.95	1.513
85	48.70	14.656	211	71.63	9.833	336	94.38	5.051	461	117.13	1.482
86	48.88	14.618	212	71.81	9.799	337	94.56	5.019	462	117.31	1.451
87	49.06	14.581	213	71.99	9.764	338	94.74	4.987	463	117.49	1.420
88	49.24	14.545	214	72.17	9.730	339	94.92	4.955	464	117.67	1.388
89	49.42	14.510	215	72.36	9.695	340	95.11	4.922	465	117.86	1.357
90	49.61	14.476	216	72.54	9.659	341	95.29	4.890	466	118.04	1.325
91	49.79	14.442	217	72.72	9.624	342	95.47	4.858	467	118.22	1.293
92	49.97	14.408	218	72.90	9.587	343	95.65	4.826	468	118.40	1.260
93	50.15	14.375	219	73.08	9.551	344	95.83	4.794	469	118.58	1.228
94	50.33	14.343	220	73.27	9.514	345	96.02	4.763	470	118.77	1.195
95	50.52	14.310	221	73.45	9.476	346	96.20	4.731	471	118.95	1.162
96	50.70	14.278	222	73.63	9.439	347	96.38	4.699	472	119.13	1.129

97	50.88	14.247	223	73.81	9.400	348	96.56	4.667	473	119.31	1.095
98	51.06	14.216	224	73.99	9.362	349	96.74	4.635	474	119.49	1.061
99	51.24	14.185	225	74.18	9.323	350	96.93	4.604	475	119.68	1.027
100	51.43	14.155	226	74.36	9.283	351	97.11	4.572	476	119.86	.992
101	51.61	14.125	227	74.54	9.243	352	97.29	4.541	477	120.04	.958
102	51.79	14.096	228	74.72	9.202	353	97.47	4.509	478	120.22	.922
103	51.97	14.068	229	74.90	9.162	354	97.65	4.478	479	120.40	.887
104	52.15	14.040	230	75.09	9.121	355	97.84	4.446	480	120.59	.852
105	52.34	14.013	231	75.27	9.079	356	98.02	4.415	481	120.77	.816
106	52.52	13.986	232	75.45	9.037	357	98.20	4.383	482	120.95	.780
107	52.70	13.961	233	75.63	8.995	358	98.38	4.352	483	121.13	.743
108	52.88	13.934	234	75.81	8.953	359	98.56	4.321	484	121.31	.706
109	53.06	13.906	235	76.00	8.910	360	98.75	4.290	485	121.50	.670
110	53.25	13.878	236	76.18	8.867	361	98.93	4.258	486	121.68	.632
111	53.43	13.849	237	76.36	8.824	362	99.11	4.227	487	121.86	.595
112	53.61	13.819	238	76.54	8.780	363	99.29	4.196	488	122.04	.557
113	53.79	13.787	239	76.72	8.736	364	99.47	4.165	489	122.22	.519
114	53.97	13.750	240	76.91	8.691	365	99.66	4.134	490	122.41	.481
115	54.16	13.711	241	77.09	8.647	366	99.84	4.103	491	122.59	.442
116	54.34	13.667	242	77.27	8.602	367	100.02	4.072	492	122.77	.404
117	54.52	13.620	243	77.45	8.558	368	100.20	4.042	493	122.95	.365
118	54.70	13.570	244	77.63	8.512	369	100.38	4.011	494	123.13	.325
119	54.88	13.520	245	77.82	8.466	370	100.57	3.980	495	123.32	.286
120	55.07	13.470	246	78.00	8.421	371	100.75	3.949	496	123.50	.246
121	55.25	13.420	247	78.18	8.376	372	100.93	3.919	497	123.68	.206
122	55.43	13.370	248	78.36	8.330	373	101.11	3.888	498	123.86	.165
123	55.61	13.320	249	78.54	8.285	374	101.29	3.857	499	124.04	.124
124	55.79	13.271	250	78.73	8.240	375	101.48	3.827	500	124.23	.083
125	55.98	13.222	251	78.91	8.196	376	101.66	3.796	501	124.41	.042
126	56.16	13.173									

1**********
****
****
****
****
****
****
****

STEADY STATE NBOD INPUT CONDITIONS

0
0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********
0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	43.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000

12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	64.500	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	64.500	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	64.500	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	43.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	64.500	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	64.500

64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	64.500	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	64.500	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	64.500	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	8.800	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	64.500	212	71.81	.000	337	94.56	64.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	64.500
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	43.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	64.500	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	64.500	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000

116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	1.848	243	77.45	43.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	43.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	2.924
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Winter Projections (Dec-Feb), 5 DO criterion **********

****

********** STEADY STATE NBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 359.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	2.589	127	56.34	2.916	252	79.09	2.529	377	101.84	2.769
2	33.59	2.594	128	56.52	2.919	253	79.27	2.531	378	102.02	2.771
3	33.77	2.578	129	56.70	2.922	254	79.45	2.534	379	102.20	2.772
4	33.95	2.578	130	56.89	2.925	255	79.64	2.536	380	102.39	2.774
5	34.14	2.583	131	57.07	2.928	256	79.82	2.538	381	102.57	2.776
6	34.32	2.589	132	57.25	2.930	257	80.00	2.541	382	102.75	2.778
7	34.50	2.595	133	57.43	2.933	258	80.18	2.543	383	102.93	2.780
8	34.68	2.602	134	57.61	2.936	259	80.36	2.546	384	103.11	2.781
9	34.86	2.608	135	57.80	2.939	260	80.55	2.548	385	103.30	2.783
10	35.05	2.613	136	57.98	2.967	261	80.73	2.550	386	103.48	2.785
11	35.23	2.619	137	58.16	2.976	262	80.91	2.552	387	103.66	2.787
12	35.41	2.624	138	58.34	2.980	263	81.09	2.555	388	103.84	2.788
13	35.59	2.629	139	58.52	2.983	264	81.27	2.557	389	104.02	2.790
14	35.77	2.634	140	58.71	2.986	265	81.46	2.559	390	104.21	2.792
15	35.96	2.638	141	58.89	2.989	266	81.64	2.562	391	104.39	2.794
16	36.14	2.642	142	59.07	2.992	267	81.82	2.564	392	104.57	2.796
17	36.32	2.646	143	59.25	2.995	268	82.00	2.566	393	104.75	2.798
18	36.50	2.650	144	59.43	2.998	269	82.18	2.569	394	104.93	2.799
19	36.68	2.653	145	59.62	3.001	270	82.37	2.571	395	105.12	2.801
20	36.87	2.657	146	59.80	3.003	271	82.55	2.573	396	105.30	2.803
21	37.05	2.660	147	59.98	3.006	272	82.73	2.575	397	105.48	2.805
22	37.23	2.663	148	60.16	3.009	273	82.91	2.578	398	105.66	2.807
23	37.41	2.666	149	60.34	3.012	274	83.09	2.580	399	105.84	2.808
24	37.59	2.668	150	60.53	3.015	275	83.28	2.582	400	106.03	2.809
25	37.78	2.671	151	60.71	3.017	276	83.46	2.584	401	106.21	2.811
26	37.96	2.674	152	60.89	3.020	277	83.64	2.586	402	106.39	2.812
27	38.14	2.676	153	61.07	3.023	278	83.82	2.589	403	106.57	2.814

28	38.32	2.678	154	61.25	3.025	279	84.00	2.591	404	106.75	2.815
29	38.50	2.680	155	61.44	3.028	280	84.19	2.593	405	106.94	2.817
30	38.69	2.683	156	61.62	3.031	281	84.37	2.595	406	107.12	2.818
31	38.87	2.685	157	61.80	3.033	282	84.55	2.597	407	107.30	2.819
32	39.05	2.688	158	61.98	3.036	283	84.73	2.599	408	107.48	2.821
33	39.23	2.690	159	62.16	3.034	284	84.91	2.602	409	107.66	2.822
34	39.41	2.693	160	62.35	3.035	285	85.10	2.604	410	107.85	2.824
35	39.60	2.695	161	62.53	3.038	286	85.28	2.606	411	108.03	2.825
36	39.78	2.698	162	62.71	3.040	287	85.46	2.608	412	108.21	2.827
37	39.96	2.700	163	62.89	3.043	288	85.64	2.610	413	108.39	2.828
38	40.14	2.703	164	63.07	3.045	289	85.82	2.612	414	108.57	2.830
39	40.32	2.705	165	63.26	3.047	290	86.01	2.614	415	108.76	2.831
40	40.51	2.708	166	63.44	3.050	291	86.19	2.616	416	108.94	2.833
41	40.69	2.710	167	63.62	3.052	292	86.37	2.619	417	109.12	2.834
42	40.87	2.712	168	63.80	3.055	293	86.55	2.621	418	109.30	2.836
43	41.05	2.715	169	63.98	3.040	294	86.73	2.623	419	109.48	2.837
44	41.23	2.717	170	64.17	3.039	295	86.92	2.625	420	109.67	2.839
45	41.42	2.720	171	64.35	3.041	296	87.10	2.627	421	109.85	2.840
46	41.60	2.722	172	64.53	3.043	297	87.28	2.629	422	110.03	2.842
47	41.78	2.724	173	64.71	3.045	298	87.46	2.631	423	110.21	2.843
48	41.96	2.727	174	64.89	3.048	299	87.64	2.633	424	110.39	2.845
49	42.14	2.729	175	65.08	3.050	300	87.83	2.635	425	110.58	2.846
50	42.33	2.731	176	65.26	3.053	301	88.01	2.637	426	110.76	2.848
51	42.51	2.734	177	65.44	3.055	302	88.19	2.639	427	110.94	2.849
52	42.69	2.736	178	65.62	3.058	303	88.37	2.640	428	111.12	2.851
53	42.87	2.738	179	65.80	3.060	304	88.55	2.642	429	111.30	2.853
54	43.05	2.741	180	65.99	3.062	305	88.74	2.639	430	111.49	2.854
55	43.24	2.743	181	66.17	3.065	306	88.92	2.641	431	111.67	2.856
56	43.42	2.745	182	66.35	3.067	307	89.10	2.643	432	111.85	2.857
57	43.60	2.748	183	66.53	3.069	308	89.28	2.644	433	112.03	2.859
58	43.78	2.750	184	66.71	3.072	309	89.46	2.646	434	112.21	2.860
59	43.96	2.752	185	66.90	3.074	310	89.65	2.648	435	112.40	2.862
60	44.15	2.755	186	67.08	3.076	311	89.83	2.650	436	112.58	2.864
61	44.33	2.757	187	67.26	3.079	312	90.01	2.651	437	112.76	2.865
62	44.51	2.759	188	67.44	3.081	313	90.19	2.653	438	112.94	2.867
63	44.69	2.762	189	67.62	3.083	314	90.37	2.655	439	113.12	2.868
64	44.87	2.764	190	67.81	3.085	315	90.56	2.657	440	113.31	2.869
65	45.06	2.766	191	67.99	3.088	316	90.74	2.659	441	113.49	2.870
66	45.24	2.769	192	68.17	3.090	317	90.92	2.663	442	113.67	2.872
67	45.42	2.771	193	68.35	3.092	318	91.10	2.665	443	113.85	2.873
68	45.60	2.770	194	68.53	3.094	319	91.28	2.667	444	114.03	2.875
69	45.78	2.772	195	68.72	3.097	320	91.47	2.669	445	114.22	2.877
70	45.97	2.774	196	68.90	3.099	321	91.65	2.670	446	114.40	2.878
71	46.15	2.776	197	69.08	3.101	322	91.83	2.672	447	114.58	2.880
72	46.33	2.779	198	69.26	3.103	323	92.01	2.674	448	114.76	2.882
73	46.51	2.781	199	69.44	3.105	324	92.19	2.675	449	114.94	2.883
74	46.69	2.783	200	69.63	3.107	325	92.38	2.677	450	115.13	2.885
75	46.88	2.783	201	69.81	3.110	326	92.56	2.679	451	115.31	2.887
76	47.06	2.785	202	69.99	3.112	327	92.74	2.681	452	115.49	2.888
77	47.24	2.787	203	70.17	3.114	328	92.92	2.683	453	115.67	2.890
78	47.42	2.790	204	70.35	3.116	329	93.10	2.685	454	115.85	2.892
79	47.60	2.792	205	70.54	3.118	330	93.29	2.686	455	116.04	2.894

80	47.79	2.794	206	70.72	3.120	331	93.47	2.688	456	116.22	2.895
81	47.97	2.796	207	70.90	3.123	332	93.65	2.690	457	116.40	2.897
82	48.15	2.799	208	71.08	3.125	333	93.83	2.692	458	116.58	2.899
83	48.33	2.801	209	71.26	3.127	334	94.01	2.694	459	116.76	2.901
84	48.51	2.803	210	71.45	3.129	335	94.20	2.696	460	116.95	2.903
85	48.70	2.806	211	71.63	3.098	336	94.38	2.698	461	117.13	2.905
86	48.88	2.808	212	71.81	3.097	337	94.56	2.699	462	117.31	2.907
87	49.06	2.810	213	71.99	3.099	338	94.74	2.701	463	117.49	2.909
88	49.24	2.812	214	72.17	3.101	339	94.92	2.702	464	117.67	2.911
89	49.42	2.814	215	72.36	3.103	340	95.11	2.704	465	117.86	2.910
90	49.61	2.816	216	72.54	3.106	341	95.29	2.706	466	118.04	2.906
91	49.79	2.818	217	72.72	3.108	342	95.47	2.708	467	118.22	2.907
92	49.97	2.820	218	72.90	3.110	343	95.65	2.710	468	118.40	2.909
93	50.15	2.822	219	73.08	3.113	344	95.83	2.712	469	118.58	2.911
94	50.33	2.823	220	73.27	3.115	345	96.02	2.713	470	118.77	2.913
95	50.52	2.825	221	73.45	3.118	346	96.20	2.715	471	118.95	2.915
96	50.70	2.826	222	73.63	3.120	347	96.38	2.717	472	119.13	2.917
97	50.88	2.828	223	73.81	3.123	348	96.56	2.719	473	119.31	2.919
98	51.06	2.830	224	73.99	3.125	349	96.74	2.721	474	119.49	2.922
99	51.24	2.832	225	74.18	3.128	350	96.93	2.723	475	119.68	2.924
100	51.43	2.834	226	74.36	3.131	351	97.11	2.724	476	119.86	2.926
101	51.61	2.836	227	74.54	3.133	352	97.29	2.726	477	120.04	2.928
102	51.79	2.837	228	74.72	3.136	353	97.47	2.728	478	120.22	2.930
103	51.97	2.839	229	74.90	3.139	354	97.65	2.730	479	120.40	2.932
104	52.15	2.841	230	75.09	3.141	355	97.84	2.732	480	120.59	2.934
105	52.34	2.843	231	75.27	3.144	356	98.02	2.733	481	120.77	2.937
106	52.52	2.844	232	75.45	3.147	357	98.20	2.735	482	120.95	2.939
107	52.70	2.846	233	75.63	3.150	358	98.38	2.737	483	121.13	2.941
108	52.88	2.847	234	75.81	3.153	359	98.56	2.737	484	121.31	2.944
109	53.06	2.849	235	76.00	3.155	360	98.75	2.738	485	121.50	2.946
110	53.25	2.851	236	76.18	3.158	361	98.93	2.740	486	121.68	2.948
111	53.43	2.852	237	76.36	3.161	362	99.11	2.742	487	121.86	2.950
112	53.61	2.854	238	76.54	3.164	363	99.29	2.744	488	122.04	2.953
113	53.79	2.856	239	76.72	3.167	364	99.47	2.745	489	122.22	2.955
114	53.97	2.858	240	76.91	3.170	365	99.66	2.747	490	122.41	2.958
115	54.16	2.861	241	77.09	3.173	366	99.84	2.749	491	122.59	2.960
116	54.34	2.863	242	77.27	3.176	367	100.02	2.751	492	122.77	2.962
117	54.52	2.866	243	77.45	3.179	368	100.20	2.753	493	122.95	2.965
118	54.70	2.872	244	77.63	2.591	369	100.38	2.755	494	123.13	2.967
119	54.88	2.875	245	77.82	2.522	370	100.57	2.756	495	123.32	2.970
120	55.07	2.890	246	78.00	2.516	371	100.75	2.758	496	123.50	2.972
121	55.25	2.896	247	78.18	2.517	372	100.93	2.760	497	123.68	2.975
122	55.43	2.900	248	78.36	2.519	373	101.11	2.762	498	123.86	2.977
123	55.61	2.903	249	78.54	2.522	374	101.29	2.763	499	124.04	2.923
124	55.79	2.906	250	78.73	2.524	375	101.48	2.765	500	124.23	2.919
125	55.98	2.909	251	78.91	2.527	376	101.66	2.767	501	124.41	2.921
126	56.16	2.913									

1**********

STEADY STATE CBOD INPUT CONDITIONS

****
****

0
0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	23.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	34.500	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	103.500	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	69.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	103.500	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	23.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000

47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	69.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	69.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	69.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	103.500	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	69.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	6.700	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	103.500	212	71.81	.000	337	94.56	103.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	69.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	23.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	103.500	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000

99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	69.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.060	243	77.45	23.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	41.400	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	23.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	4.360
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Winter Projections (Dec-Feb), 5 DO criterion **********

****

********** STEADY STATE CBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 359.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.138	127	56.34	1.803	252	79.09	1.965	377	101.84	3.027
2	33.59	1.149	128	56.52	1.811	253	79.27	1.974	378	102.02	3.036
3	33.77	1.150	129	56.70	1.820	254	79.45	1.983	379	102.20	3.045
4	33.95	1.161	130	56.89	1.829	255	79.64	1.991	380	102.39	3.055
5	34.14	1.175	131	57.07	1.837	256	79.82	2.000	381	102.57	3.064
6	34.32	1.189	132	57.25	1.846	257	80.00	2.009	382	102.75	3.073
7	34.50	1.203	133	57.43	1.855	258	80.18	2.017	383	102.93	3.082
8	34.68	1.216	134	57.61	1.864	259	80.36	2.026	384	103.11	3.091
9	34.86	1.229	135	57.80	1.872	260	80.55	2.035	385	103.30	3.101
10	35.05	1.242	136	57.98	1.601	261	80.73	2.043	386	103.48	3.110

11	35.23	1.254	137	58.16	1.547	262	80.91	2.052	387	103.66	3.119
12	35.41	1.265	138	58.34	1.541	263	81.09	2.061	388	103.84	3.128
13	35.59	1.277	139	58.52	1.545	264	81.27	2.069	389	104.02	3.138
14	35.77	1.287	140	58.71	1.552	265	81.46	2.078	390	104.21	3.147
15	35.96	1.298	141	58.89	1.559	266	81.64	2.087	391	104.39	3.157
16	36.14	1.307	142	59.07	1.566	267	81.82	2.095	392	104.57	3.167
17	36.32	1.316	143	59.25	1.573	268	82.00	2.104	393	104.75	3.177
18	36.50	1.325	144	59.43	1.580	269	82.18	2.113	394	104.93	3.186
19	36.68	1.333	145	59.62	1.587	270	82.37	2.122	395	105.12	3.196
20	36.87	1.341	146	59.80	1.594	271	82.55	2.130	396	105.30	3.207
21	37.05	1.348	147	59.98	1.601	272	82.73	2.139	397	105.48	3.217
22	37.23	1.355	148	60.16	1.608	273	82.91	2.148	398	105.66	3.224
23	37.41	1.362	149	60.34	1.614	274	83.09	2.156	399	105.84	3.232
24	37.59	1.369	150	60.53	1.621	275	83.28	2.165	400	106.03	3.240
25	37.78	1.375	151	60.71	1.628	276	83.46	2.174	401	106.21	3.247
26	37.96	1.381	152	60.89	1.635	277	83.64	2.183	402	106.39	3.255
27	38.14	1.387	153	61.07	1.642	278	83.82	2.191	403	106.57	3.263
28	38.32	1.392	154	61.25	1.649	279	84.00	2.200	404	106.75	3.271
29	38.50	1.398	155	61.44	1.656	280	84.19	2.209	405	106.94	3.278
30	38.69	1.404	156	61.62	1.663	281	84.37	2.217	406	107.12	3.286
31	38.87	1.410	157	61.80	1.669	282	84.55	2.226	407	107.30	3.294
32	39.05	1.417	158	61.98	1.676	283	84.73	2.234	408	107.48	3.302
33	39.23	1.423	159	62.16	1.677	284	84.91	2.243	409	107.66	3.310
34	39.41	1.429	160	62.35	1.683	285	85.10	2.252	410	107.85	3.318
35	39.60	1.435	161	62.53	1.689	286	85.28	2.260	411	108.03	3.327
36	39.78	1.441	162	62.71	1.696	287	85.46	2.269	412	108.21	3.335
37	39.96	1.448	163	62.89	1.703	288	85.64	2.278	413	108.39	3.343
38	40.14	1.454	164	63.07	1.709	289	85.82	2.286	414	108.57	3.351
39	40.32	1.460	165	63.26	1.715	290	86.01	2.295	415	108.76	3.359
40	40.51	1.466	166	63.44	1.722	291	86.19	2.304	416	108.94	3.368
41	40.69	1.472	167	63.62	1.729	292	86.37	2.312	417	109.12	3.376
42	40.87	1.478	168	63.80	1.736	293	86.55	2.321	418	109.30	3.384
43	41.05	1.484	169	63.98	1.733	294	86.73	2.330	419	109.48	3.393
44	41.23	1.490	170	64.17	1.738	295	86.92	2.338	420	109.67	3.401
45	41.42	1.496	171	64.35	1.744	296	87.10	2.347	421	109.85	3.410
46	41.60	1.502	172	64.53	1.750	297	87.28	2.356	422	110.03	3.418
47	41.78	1.508	173	64.71	1.757	298	87.46	2.365	423	110.21	3.427
48	41.96	1.515	174	64.89	1.764	299	87.64	2.373	424	110.39	3.436
49	42.14	1.521	175	65.08	1.770	300	87.83	2.382	425	110.58	3.444
50	42.33	1.527	176	65.26	1.777	301	88.01	2.390	426	110.76	3.453
51	42.51	1.533	177	65.44	1.783	302	88.19	2.397	427	110.94	3.462
52	42.69	1.539	178	65.62	1.790	303	88.37	2.404	428	111.12	3.471
53	42.87	1.545	179	65.80	1.797	304	88.55	2.411	429	111.30	3.479
54	43.05	1.552	180	65.99	1.803	305	88.74	2.414	430	111.49	3.488
55	43.24	1.558	181	66.17	1.810	306	88.92	2.421	431	111.67	3.497
56	43.42	1.564	182	66.35	1.816	307	89.10	2.428	432	111.85	3.506
57	43.60	1.570	183	66.53	1.823	308	89.28	2.436	433	112.03	3.515
58	43.78	1.577	184	66.71	1.829	309	89.46	2.444	434	112.21	3.524
59	43.96	1.583	185	66.90	1.836	310	89.65	2.451	435	112.40	3.533
60	44.15	1.589	186	67.08	1.842	311	89.83	2.459	436	112.58	3.543
61	44.33	1.596	187	67.26	1.849	312	90.01	2.467	437	112.76	3.552
62	44.51	1.602	188	67.44	1.855	313	90.19	2.475	438	112.94	3.561

63	44.69	1.608	189	67.62	1.861	314	90.37	2.483	439	113.12	3.570
64	44.87	1.614	190	67.81	1.868	315	90.56	2.491	440	113.31	3.578
65	45.06	1.621	191	67.99	1.874	316	90.74	2.500	441	113.49	3.588
66	45.24	1.627	192	68.17	1.881	317	90.92	2.510	442	113.67	3.597
67	45.42	1.633	193	68.35	1.887	318	91.10	2.518	443	113.85	3.606
68	45.60	1.636	194	68.53	1.893	319	91.28	2.526	444	114.03	3.616
69	45.78	1.642	195	68.72	1.899	320	91.47	2.535	445	114.22	3.626
70	45.97	1.648	196	68.90	1.906	321	91.65	2.543	446	114.40	3.636
71	46.15	1.654	197	69.08	1.912	322	91.83	2.551	447	114.58	3.645
72	46.33	1.661	198	69.26	1.918	323	92.01	2.559	448	114.76	3.655
73	46.51	1.667	199	69.44	1.925	324	92.19	2.567	449	114.94	3.665
74	46.69	1.674	200	69.63	1.931	325	92.38	2.575	450	115.13	3.676
75	46.88	1.678	201	69.81	1.937	326	92.56	2.584	451	115.31	3.686
76	47.06	1.684	202	69.99	1.943	327	92.74	2.592	452	115.49	3.696
77	47.24	1.690	203	70.17	1.950	328	92.92	2.600	453	115.67	3.707
78	47.42	1.697	204	70.35	1.956	329	93.10	2.609	454	115.85	3.717
79	47.60	1.703	205	70.54	1.962	330	93.29	2.617	455	116.04	3.728
80	47.79	1.710	206	70.72	1.969	331	93.47	2.626	456	116.22	3.739
81	47.97	1.716	207	70.90	1.975	332	93.65	2.634	457	116.40	3.750
82	48.15	1.723	208	71.08	1.982	333	93.83	2.643	458	116.58	3.761
83	48.33	1.730	209	71.26	1.989	334	94.01	2.651	459	116.76	3.772
84	48.51	1.736	210	71.45	1.995	335	94.20	2.660	460	116.95	3.784
85	48.70	1.743	211	71.63	1.974	336	94.38	2.668	461	117.13	3.795
86	48.88	1.750	212	71.81	1.978	337	94.56	2.677	462	117.31	3.807
87	49.06	1.756	213	71.99	1.985	338	94.74	2.684	463	117.49	3.819
88	49.24	1.762	214	72.17	1.991	339	94.92	2.693	464	117.67	3.830
89	49.42	1.768	215	72.36	1.998	340	95.11	2.701	465	117.86	3.840
90	49.61	1.774	216	72.54	2.005	341	95.29	2.710	466	118.04	3.849
91	49.79	1.780	217	72.72	2.012	342	95.47	2.719	467	118.22	3.861
92	49.97	1.786	218	72.90	2.020	343	95.65	2.727	468	118.40	3.873
93	50.15	1.792	219	73.08	2.027	344	95.83	2.736	469	118.58	3.886
94	50.33	1.796	220	73.27	2.034	345	96.02	2.745	470	118.77	3.898
95	50.52	1.801	221	73.45	2.042	346	96.20	2.753	471	118.95	3.911
96	50.70	1.807	222	73.63	2.050	347	96.38	2.762	472	119.13	3.924
97	50.88	1.813	223	73.81	2.057	348	96.56	2.771	473	119.31	3.937
98	51.06	1.818	224	73.99	2.065	349	96.74	2.779	474	119.49	3.950
99	51.24	1.824	225	74.18	2.073	350	96.93	2.788	475	119.68	3.964
100	51.43	1.829	226	74.36	2.081	351	97.11	2.797	476	119.86	3.977
101	51.61	1.835	227	74.54	2.090	352	97.29	2.806	477	120.04	3.991
102	51.79	1.840	228	74.72	2.098	353	97.47	2.814	478	120.22	4.005
103	51.97	1.845	229	74.90	2.107	354	97.65	2.823	479	120.40	4.019
104	52.15	1.851	230	75.09	2.115	355	97.84	2.832	480	120.59	4.033
105	52.34	1.856	231	75.27	2.124	356	98.02	2.841	481	120.77	4.048
106	52.52	1.860	232	75.45	2.133	357	98.20	2.850	482	120.95	4.062
107	52.70	1.865	233	75.63	2.141	358	98.38	2.859	483	121.13	4.077
108	52.88	1.870	234	75.81	2.150	359	98.56	2.865	484	121.31	4.092
109	53.06	1.875	235	76.00	2.160	360	98.75	2.874	485	121.50	4.107
110	53.25	1.880	236	76.18	2.169	361	98.93	2.883	486	121.68	4.122
111	53.43	1.886	237	76.36	2.178	362	99.11	2.892	487	121.86	4.137
112	53.61	1.891	238	76.54	2.188	363	99.29	2.901	488	122.04	4.153
113	53.79	1.897	239	76.72	2.197	364	99.47	2.909	489	122.22	4.168
114	53.97	1.904	240	76.91	2.207	365	99.66	2.918	490	122.41	4.184

115	54.16	1.911	241	77.09	2.217	366	99.84	2.927	491	122.59	4.200
116	54.34	1.919	242	77.27	2.226	367	100.02	2.936	492	122.77	4.216
117	54.52	1.928	243	77.45	2.236	368	100.20	2.945	493	122.95	4.232
118	54.70	1.936	244	77.63	1.938	369	100.38	2.954	494	123.13	4.249
119	54.88	1.946	245	77.82	1.910	370	100.57	2.963	495	123.32	4.266
120	55.07	1.791	246	78.00	1.914	371	100.75	2.973	496	123.50	4.283
121	55.25	1.762	247	78.18	1.922	372	100.93	2.982	497	123.68	4.300
122	55.43	1.762	248	78.36	1.931	373	101.11	2.991	498	123.86	4.317
123	55.61	1.768	249	78.54	1.939	374	101.29	3.000	499	124.04	4.308
124	55.79	1.777	250	78.73	1.948	375	101.48	3.009	500	124.23	4.322
125	55.98	1.785	251	78.91	1.957	376	101.66	3.018	501	124.41	4.340
126	56.16	1.794									

1**********

****

****

********** STEADY STATE DO INPUT CONDITIONS **********

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	2.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	2.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	2.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000

30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	2.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	2.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	2.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	2.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	2.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	2.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	2.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	2.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	2.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000

82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	5.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	2.000	212	71.81	.000	337	94.56	2.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	2.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	2.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	2.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	2.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.000	243	77.45	2.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	2.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	2.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	5.170
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Winter Projections (Dec-Feb), 5 DO criterion **********

****

********** STEADY STATE DO CONCENTRATIONS (PPM) **********

****
********** OUTFLOW AT DOWNSTREAM END = 359.3 CFS **********
****
****

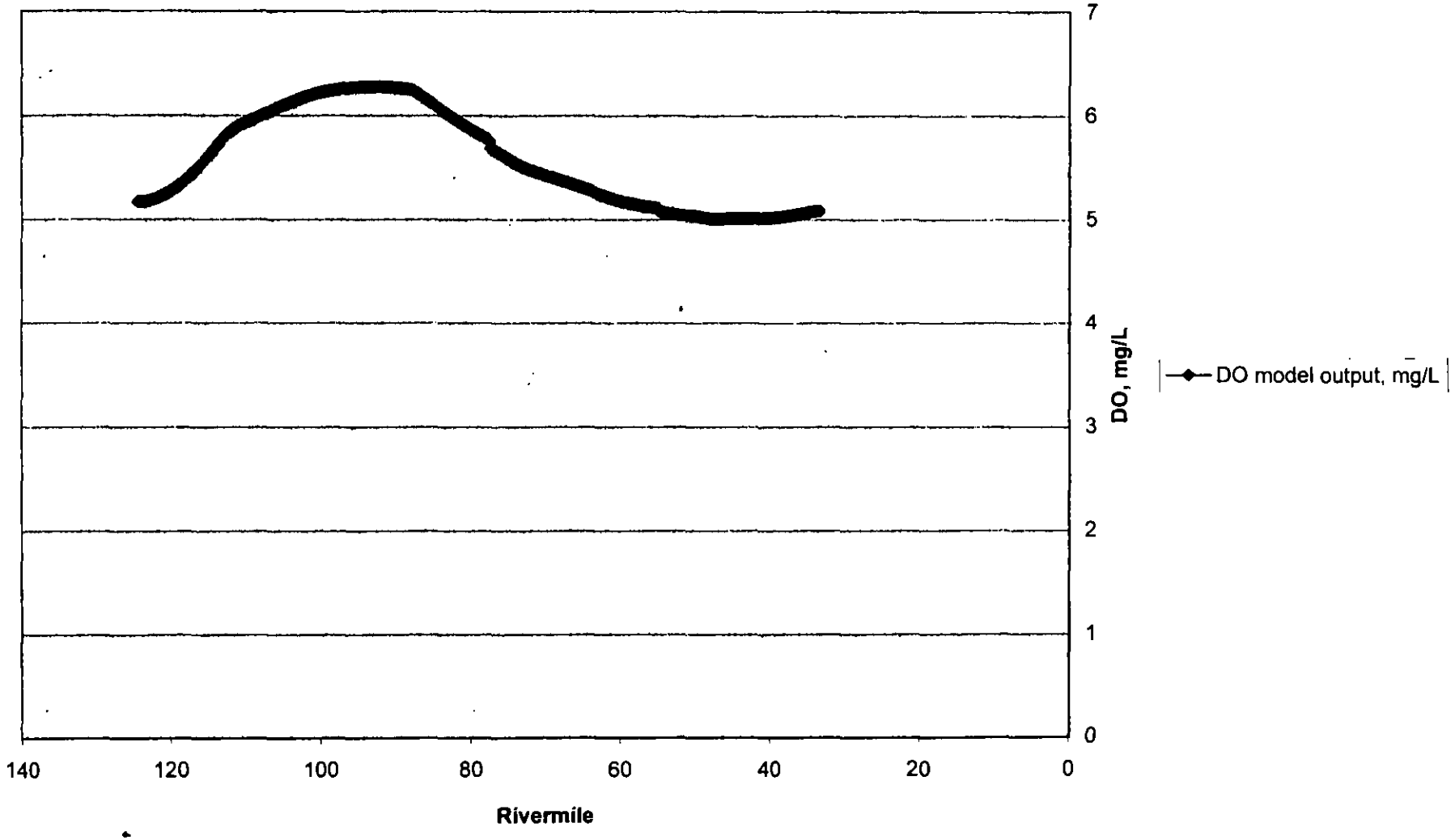
0
0 CONCENTRATIONS (PPM)

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	7.213	127	56.34	7.270	252	79.09	6.949	377	101.84	5.929
2	33.59	7.221	128	56.52	7.272	253	79.27	6.942	378	102.02	5.921
3	33.77	7.235	129	56.70	7.274	254	79.45	6.936	379	102.20	5.912
4	33.95	7.246	130	56.89	7.275	255	79.64	6.929	380	102.39	5.903
5	34.14	7.257	131	57.07	7.277	256	79.82	6.922	381	102.57	5.894
6	34.32	7.266	132	57.25	7.279	257	80.00	6.914	382	102.75	5.885
7	34.50	7.276	133	57.43	7.281	258	80.18	6.907	383	102.93	5.876
8	34.68	7.284	134	57.61	7.282	259	80.36	6.900	384	103.11	5.867
9	34.86	7.292	135	57.80	7.284	260	80.55	6.893	385	103.30	5.858
10	35.05	7.300	136	57.98	7.331	261	80.73	6.885	386	103.48	5.849
11	35.23	7.307	137	58.16	7.341	262	80.91	6.878	387	103.66	5.840
12	35.41	7.313	138	58.34	7.344	263	81.09	6.870	388	103.84	5.831
13	35.59	7.318	139	58.52	7.344	264	81.27	6.863	389	104.02	5.822
14	35.77	7.323	140	58.71	7.345	265	81.46	6.855	390	104.21	5.814
15	35.96	7.327	141	58.89	7.345	266	81.64	6.847	391	104.39	5.805
16	36.14	7.331	142	59.07	7.345	267	81.82	6.840	392	104.57	5.796
17	36.32	7.333	143	59.25	7.344	268	82.00	6.832	393	104.75	5.788
18	36.50	7.335	144	59.43	7.344	269	82.18	6.824	394	104.93	5.779
19	36.68	7.336	145	59.62	7.344	270	82.37	6.816	395	105.12	5.771
20	36.87	7.337	146	59.80	7.343	271	82.55	6.808	396	105.30	5.762
21	37.05	7.337	147	59.98	7.343	272	82.73	6.799	397	105.48	5.754
22	37.23	7.337	148	60.16	7.342	273	82.91	6.791	398	105.66	5.748
23	37.41	7.337	149	60.34	7.341	274	83.09	6.783	399	105.84	5.742
24	37.59	7.336	150	60.53	7.341	275	83.28	6.774	400	106.03	5.736
25	37.78	7.334	151	60.71	7.340	276	83.46	6.766	401	106.21	5.730
26	37.96	7.333	152	60.89	7.339	277	83.64	6.757	402	106.39	5.724
27	38.14	7.332	153	61.07	7.338	278	83.82	6.749	403	106.57	5.719
28	38.32	7.331	154	61.25	7.337	279	84.00	6.740	404	106.75	5.713
29	38.50	7.329	155	61.44	7.335	280	84.19	6.731	405	106.94	5.707
30	38.69	7.328	156	61.62	7.334	281	84.37	6.722	406	107.12	5.701
31	38.87	7.327	157	61.80	7.332	282	84.55	6.713	407	107.30	5.696
32	39.05	7.325	158	61.98	7.331	283	84.73	6.704	408	107.48	5.690
33	39.23	7.324	159	62.16	7.330	284	84.91	6.695	409	107.66	5.684
34	39.41	7.323	160	62.35	7.328	285	85.10	6.686	410	107.85	5.678
35	39.60	7.321	161	62.53	7.326	286	85.28	6.676	411	108.03	5.672
36	39.78	7.320	162	62.71	7.324	287	85.46	6.667	412	108.21	5.666
37	39.96	7.318	163	62.89	7.322	288	85.64	6.657	413	108.39	5.660
38	40.14	7.317	164	63.07	7.320	289	85.82	6.648	414	108.57	5.654
39	40.32	7.315	165	63.26	7.318	290	86.01	6.638	415	108.76	5.648
40	40.51	7.314	166	63.44	7.316	291	86.19	6.628	416	108.94	5.642
41	40.69	7.312	167	63.62	7.313	292	86.37	6.618	417	109.12	5.636
42	40.87	7.311	168	63.80	7.311	293	86.55	6.609	418	109.30	5.630
43	41.05	7.309	169	63.98	7.311	294	86.73	6.599	419	109.48	5.624
44	41.23	7.308	170	64.17	7.309	295	86.92	6.588	420	109.67	5.617
45	41.42	7.306	171	64.35	7.306	296	87.10	6.578	421	109.85	5.611

46	41.60	7.304	172	64.53	7.303	297	87.28	6.568	422	110.03	5.605
47	41.78	7.303	173	64.71	7.300	298	87.46	6.558	423	110.21	5.598
48	41.96	7.301	174	64.89	7.297	299	87.64	6.548	424	110.39	5.592
49	42.14	7.300	175	65.08	7.294	300	87.83	6.538	425	110.58	5.586
50	42.33	7.298	176	65.26	7.291	301	88.01	6.529	426	110.76	5.579
51	42.51	7.297	177	65.44	7.287	302	88.19	6.522	427	110.94	5.573
52	42.69	7.295	178	65.62	7.284	303	88.37	6.514	428	111.12	5.567
53	42.87	7.294	179	65.80	7.280	304	88.55	6.506	429	111.30	5.560
54	43.05	7.292	180	65.99	7.276	305	88.74	6.498	430	111.49	5.554
55	43.24	7.291	181	66.17	7.272	306	88.92	6.491	431	111.67	5.547
56	43.42	7.290	182	66.35	7.269	307	89.10	6.483	432	111.85	5.540
57	43.60	7.288	183	66.53	7.264	308	89.28	6.475	433	112.03	5.534
58	43.78	7.287	184	66.71	7.260	309	89.46	6.467	434	112.21	5.527
59	43.96	7.286	185	66.90	7.256	310	89.65	6.460	435	112.40	5.520
60	44.15	7.284	186	67.08	7.251	311	89.83	6.452	436	112.58	5.514
61	44.33	7.283	187	67.26	7.247	312	90.01	6.445	437	112.76	5.507
62	44.51	7.282	188	67.44	7.242	313	90.19	6.437	438	112.94	5.500
63	44.69	7.280	189	67.62	7.237	314	90.37	6.430	439	113.12	5.493
64	44.87	7.279	190	67.81	7.232	315	90.56	6.423	440	113.31	5.487
65	45.06	7.278	191	67.99	7.227	316	90.74	6.415	441	113.49	5.480
66	45.24	7.277	192	68.17	7.222	317	90.92	6.411	442	113.67	5.473
67	45.42	7.276	193	68.35	7.216	318	91.10	6.404	443	113.85	5.466
68	45.60	7.275	194	68.53	7.211	319	91.28	6.397	444	114.03	5.459
69	45.78	7.274	195	68.72	7.205	320	91.47	6.390	445	114.22	5.452
70	45.97	7.273	196	68.90	7.199	321	91.65	6.382	446	114.40	5.445
71	46.15	7.272	197	69.08	7.193	322	91.83	6.375	447	114.58	5.438
72	46.33	7.271	198	69.26	7.187	323	92.01	6.367	448	114.76	5.432
73	46.51	7.269	199	69.44	7.181	324	92.19	6.360	449	114.94	5.425
74	46.69	7.268	200	69.63	7.175	325	92.38	6.352	450	115.13	5.418
75	46.88	7.268	201	69.81	7.169	326	92.56	6.345	451	115.31	5.411
76	47.06	7.267	202	69.99	7.162	327	92.74	6.337	452	115.49	5.405
77	47.24	7.266	203	70.17	7.156	328	92.92	6.330	453	115.67	5.398
78	47.42	7.265	204	70.35	7.150	329	93.10	6.322	454	115.85	5.392
79	47.60	7.264	205	70.54	7.143	330	93.29	6.315	455	116.04	5.385
80	47.79	7.263	206	70.72	7.136	331	93.47	6.307	456	116.22	5.379
81	47.97	7.262	207	70.90	7.130	332	93.65	6.299	457	116.40	5.372
82	48.15	7.261	208	71.08	7.123	333	93.83	6.292	458	116.58	5.366
83	48.33	7.260	209	71.26	7.116	334	94.01	6.284	459	116.76	5.359
84	48.51	7.259	210	71.45	7.109	335	94.20	6.276	460	116.95	5.353
85	48.70	7.258	211	71.63	7.114	336	94.38	6.268	461	117.13	5.347
86	48.88	7.257	212	71.81	7.108	337	94.56	6.261	462	117.31	5.341
87	49.06	7.256	213	71.99	7.101	338	94.74	6.253	463	117.49	5.335
88	49.24	7.255	214	72.17	7.094	339	94.92	6.245	464	117.67	5.329
89	49.42	7.254	215	72.36	7.087	340	95.11	6.237	465	117.86	5.323
90	49.61	7.252	216	72.54	7.080	341	95.29	6.229	466	118.04	5.318
91	49.79	7.250	217	72.72	7.073	342	95.47	6.221	467	118.22	5.312
92	49.97	7.249	218	72.90	7.067	343	95.65	6.214	468	118.40	5.306
93	50.15	7.247	219	73.08	7.060	344	95.83	6.206	469	118.58	5.301
94	50.33	7.245	220	73.27	7.053	345	96.02	6.198	470	118.77	5.295
95	50.52	7.243	221	73.45	7.046	346	96.20	6.190	471	118.95	5.289
96	50.70	7.241	222	73.63	7.040	347	96.38	6.182	472	119.13	5.284
97	50.88	7.239	223	73.81	7.033	348	96.56	6.173	473	119.31	5.278

98	51.06	7.237	224	73.99	7.027	349	96.74	6.165	474	119.49	5.273
99	51.24	7.234	225	74.18	7.021	350	96.93	6.157	475	119.68	5.268
100	51.43	7.232	226	74.36	7.015	351	97.11	6.149	476	119.86	5.263
101	51.61	7.230	227	74.54	7.009	352	97.29	6.141	477	120.04	5.258
102	51.79	7.227	228	74.72	7.003	353	97.47	6.133	478	120.22	5.253
103	51.97	7.224	229	74.90	6.997	354	97.65	6.125	479	120.40	5.248
104	52.15	7.221	230	75.09	6.991	355	97.84	6.116	480	120.59	5.243
105	52.34	7.218	231	75.27	6.985	356	98.02	6.108	481	120.77	5.239
106	52.52	7.215	232	75.45	6.980	357	98.20	6.100	482	120.95	5.234
107	52.70	7.212	233	75.63	6.974	358	98.38	6.092	483	121.13	5.229
108	52.88	7.209	234	75.81	6.969	359	98.56	6.083	484	121.31	5.225
109	53.06	7.206	235	76.00	6.963	360	98.75	6.075	485	121.50	5.221
110	53.25	7.203	236	76.18	6.958	361	98.93	6.067	486	121.68	5.217
111	53.43	7.201	237	76.36	6.953	362	99.11	6.058	487	121.86	5.213
112	53.61	7.198	238	76.54	6.948	363	99.29	6.050	488	122.04	5.209
113	53.79	7.197	239	76.72	6.943	364	99.47	6.041	489	122.22	5.205
114	53.97	7.196	240	76.91	6.938	365	99.66	6.033	490	122.41	5.201
115	54.16	7.196	241	77.09	6.933	366	99.84	6.024	491	122.59	5.197
116	54.34	7.197	242	77.27	6.928	367	100.02	6.016	492	122.77	5.194
117	54.52	7.198	243	77.45	6.923	368	100.20	6.007	493	122.95	5.190
118	54.70	7.215	244	77.63	6.991	369	100.38	5.999	494	123.13	5.187
119	54.88	7.222	245	77.82	6.994	370	100.57	5.990	495	123.32	5.184
120	55.07	7.247	246	78.00	6.989	371	100.75	5.982	496	123.50	5.181
121	55.25	7.255	247	78.18	6.982	372	100.93	5.973	497	123.68	5.178
122	55.43	7.259	248	78.36	6.976	373	101.11	5.964	498	123.86	5.175
123	55.61	7.261	249	78.54	6.969	374	101.29	5.956	499	124.04	5.177
124	55.79	7.263	250	78.73	6.963	375	101.48	5.947	500	124.23	5.175
125	55.98	7.266	251	78.91	6.956	376	101.66	5.938	501	124.41	5.173
126	56.16	7.268									

SOD changed from 1 & changed Cajun Sugar & St. Martin Ph. Police Jury, Summer projections, March-November, 5 DO criterion



```
Bayou Teche--Summer Projections (Mar-Nov), 5 DO criterion
!Exclamation points indicate a comment line.
    33.5      124.5    0.000       500
DATA
WIDTH        92      1.0000
!Widths from previous model "Nov 78 verification"
    1          124.5     126.3
    2          123.5     124.9
    3          122.5     123.5
    4          121.5     122.1
    5          120.5     120.7
    6          119.5     119.3
    7          118.5     117.8
    8          117.5     116.4
    9          116.5     115.0
   10          115.5     113.6
   11          114.5     112.2
   12          113.5     110.8
   13          112.5     109.4
   14          111.5     108.0
   15          110.5     106.6
   16          109.5     105.2
   17          108.5     103.8
   18          107.5     102.4
   19          106.5     101.0
   20          105.5     101.1
   21          104.5     101.6
   22          103.5     102.2
   23          102.5     103.0
   24          101.5     103.9
   25          100.5     104.8
   26           99.5     105.6
   27           98.5     106.5
   28           97.5     107.3
   29           96.5     108.2
   30           95.5     109.0
   31           94.5     109.9
   32           93.5     110.7
   33           92.5     111.6
   34           91.5     112.4
   35           90.5     113.3
   36           89.5     114.2
   37           88.5     115.1
   38           87.5     115.9
   39           86.5     116.8
   40           85.5     117.5
   41           84.5     118.3
   42           83.5     119.1
   43           82.5     119.9
   44           81.5     120.7
   45           80.5     121.4
   46           79.5     122.2
   47           78.5     123.0
   48           77.5     123.8
   49           76.5     124.8
   50           75.5     125.9
   51           74.5     127.0
   52           73.5     127.9
   53           72.5     128.8
   54           71.5     129.4
   55           70.5     126.2
   56           69.5     126.2
   57           68.5     125.2
   58           67.5     123.3
   59           66.5     121.4
   60           65.5     119.5
   61           64.5     117.6
   62           63.5     115.7
   63           62.5     113.7
   64           61.5     111.9
   65           60.5     110.3
```

```
   66          59.5      108.7
   67          58.5      107.1
   68          57.5      105.5
   69          56.5      103.9
   70          55.5      102.2
   71          54.5      100.6
   72          53.5      100.0
   73          52.5      100.0
   74          51.5      100.0
   75          50.5      100.0
   76          49.5      100.0
   77          48.5      100.0
   78          47.5      100.0
   79          46.5      100.0
   80          45.5      100.0
   81          44.5      100.0
   82          43.5      100.0
   83          42.5      100.0
   84          41.5      100.0
   85          40.5      100.0
   86          39.5      100.0
   87          38.5      100.0
   88          37.5      100.0
   89          36.5      100.0
   90          35.5      100.0
   91          34.5      100.0
   92          33.5      100.0
DEPTH        92       1.000
!Depths from previous model "Nov 78 verification"
    1         124.5       8.0
    2         123.5       7.7
    3         122.5       7.4
    4         121.5       7.1
    5         120.5       6.9
    6         119.5       6.6
    7         118.5       6.3
    8         117.5       6.0
    9         116.5       5.7
   10         115.5       5.4
   11         114.5       5.2
   12         113.5       5.1
   13         112.5       5.5
   14         111.5       5.8
   15         110.5       6.1
   16         109.5       6.2
   17         108.5       6.1
   18         107.5       6.0
   19         106.5       5.9
   20         105.5       5.7
   21         104.5       5.6
   22         103.5       5.5
   23         102.5       5.5
   24         101.5       5.6
   25         100.5       5.6
   26          99.5       5.6
   27          98.5       5.7
   28          97.5       5.7
   29          96.5       5.7
   30          95.5       5.7
   31          94.5       5.8
   32          93.5       5.8
   33          92.5       5.8
   34          91.5       5.9
   35          90.5       5.9
   36          89.5       6.0
   37          88.5       6.1
   38          87.5       6.2
   39          86.5       6.3
   40          85.5       6.4
   41          84.5       6.5
   42          83.5       6.7
```

```
   43          82.5        6.8
   44          81.5        6.9
   45          80.5        7.1
   46          79.5        7.2
   47          78.5        7.3
   48          77.5        7.5
   49          76.5        7.8
   50          75.5        8.3
   51          74.5        8.8
   52          73.5        8.5
   53          72.5        7.9
   54          71.5        7.5
   55          70.5        8.2
   56          69.5        8.2
   57          68.5        8.4
   58          67.5        8.9
   59          66.5        9.3
   60          65.5        9.8
   61          64.5       10.2
   62          63.5       10.7
   63          62.5       11.1
   64          61.5       11.5
   65          60.5       11.2
   66          59.5       11.0
   67          58.5       10.8
   68          57.5       10.6
   69          56.5       10.3
   70          55.5       10.1
   71          54.5        9.9
   72          53.5        9.8
   73          52.5       10.9
   74          51.5        9.4
   75          50.5        9.5
   76          49.5       12.1
   77          48.5       12.4
   78          47.5       11.1
   79          46.5        9.9
   80          45.5       10.4
   81          44.5       11.0
   82          43.5       11.6
   83          42.5       12.3
   84          41.5       11.5
   85          40.5       11.8
   86          39.5       11.8
   87          38.5       11.5
   88          37.5       10.8
   89          36.5       10.5
   90          35.5       10.5
   91          34.5       10.8
   92          33.5       11.3
!Temp is the average 90th percentile of sites 0030 & 0031 for March-November:
TEMP          1     1.0000
    1          0.00      29.9
PHOTO         1     1.000
    1          0.000     0.00
RESP          1     1.000
    1          0.000     0.00
:SATDO @ 29.9 deg C:
SATDO         1     1.000
    1          0.00      7.6
EVAP          1     1.000
    1          0.000     0.00
SEDI          2     1.000
    1          124.5     0.00
    2           55.0     0.75
:0.1 sq mi/day=32.3 sq ft/s.  0.2 sq mi/day=64.5 sq ft/s:
DISP          6     1.000
    1          124.5     32.3
    2           71.5     32.3
    3           70.5     64.5
    4           45.5     64.5
```

```
    5           44.5      32.3
    6           33.5      32.3
COXY           1      1.000
    1           0.00      0.120
CSED           1      1.000
    1           0.000     0.000
NOXY           1      1.000
    1           0.00      0.030
NSED           1      1.000
    1           0.000     0.000
NONPFLOW       1      1.000
    1           0.000     0.000
NONPNBOD       1      1.000
    1           0.000     0.00
NONPCBOD       1      1.000
    1           0.000     0.00
NONPDO         1      1.000
    1           0.000     0.00
C-REAER        4      1.000
MINI-KL         2.3
STOP
FLOW
SENS            1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
                124.5       634
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
                123.9     0.967
!St. Landry Parish Sewer District #1, LA0057401:
               117.81    0.0928
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
               117.69    0.0302
!St. Landry Parish School Board, Leonville High School, LAG540689:
               113.13    0.0152
!Bayou Fusilier outflow=10th percentile flow from USGS Station 07386200:
               105.57                 189
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
                98.44    0.0174
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
                94.62    0.0058
!Dallas Trailer Park, LAG530160:
                91.78   0.00464
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                 90.7    0.3481
!Bent Oak Trailer Park, LAG540911:
                88.61    0.0342
!Ruth Canal outflow=10th percentile flow from USGS Station 07386700:
                87.88                 143
!St. Martin Parish Police Jury, LA0043991:
                77.52     5.802
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
                71.36       2.3
!Loreauville, Village of; LA0038440:
                63.73    0.1934
!Breaux's Bay Craft Inc., LAG530854:
                 62.9    0.0025
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97    0.0367
!Cajun Sugar Coop Inc, LA0004171:
                57.85     3.868
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89     1.934
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54    0.5802
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44    0.7156
!Bayou Side Trailer Park, LAG530055:
                50.24    0.0093
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86    0.0019
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65    0.0167
```

```
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
              45.41    0.0231
!Yellow Bowl Restaurant, LAG530611:
               38.2    0.0070
!Cypress Bayou Casino, LA0098710:
              33.64    0.2901
STOP
NBOD
SENS          1.000     1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!NBOD from site 10 sample during Bayou Courtableau survey (TKN*4.3):
              124.5       634     2.924
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
              123.9     0.967      43.0
!St. Landry Parish Sewer District #1, LA0057401:
             117.81    0.0928      43.0
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
             117.69    0.0302      64.5
!St. Landry Parish School Board, Leonville High School, LAG540689:
             113.13    0.0152      64.5
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
              98.44    0.0174      64.5
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
              94.62    0.0058      64.5
!Dallas Trailer Park, LAG530160:
              91.78   0.00464      64.5
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
               90.7    0.3481       0.0
!Bent Oak Trailer Park, LAG540911:
              88.61    0.0342      64.5
!St. Martin Parish Police Jury, LA0043991:
              77.52     5.802       8.6
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!NBOD from previous model APR 78 calibration (used NBOD at Teche/Tortue confluence):
              71.36       2.3       8.8
!Loreauville, Village of; LA0038440:
              63.73    0.1934      43.0
!Breaux's Bay Craft Inc., LAG530854:
               62.9    0.0025      64.5
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
              61.97    0.0367      64.5
!Cajun Sugar Coop Inc, LA0004171:
              57.85     3.868       0.0
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
              54.89     1.934       0.0
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
              54.54    0.5802     4.128
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
              54.44    0.7156       0.0
!Bayou Side Trailer Park, LAG530055:
              50.24    0.0093      64.5
!Mosquito Control Contractors Inc (MCCI), LA0100650:
              48.86    0.0019      64.5
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
              46.65    0.0167      64.5
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
              45.41    0.0231      64.5
!Yellow Bowl Restaurant, LAG530611:
               38.2    0.0070      64.5
!Cypress Bayou Casino, LA0098710:
              33.64    0.2901      43.0
STOP
CBOD
SENS          1.000     1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!CBOD from site 10 sample during Bayou Courtableau survey, used GSBOD program:
              124.5       634      4.36
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
              123.9     0.967      23.0
!St. Landry Parish Sewer District #1, LA0057401:
             117.81    0.0928      23.0
```

```
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
              117.69    0.0302        69
!St. Landry Parish School Board, Leonville High School, LAG540689:
              113.13    0.0152        69
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
               98.44    0.0174        69
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
               94.62    0.0058     103.5
!Dallas Trailer Park, LAG530160:
               91.78   0.00464     103.5
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                90.7    0.3481       0.0
!Bent Oak Trailer Park, LAG540911:
               88.61    0.0342        69
!St. Martin Parish Police Jury, LA0043991:
               77.52     5.802      11.5
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!CBOD from previous model APR 78 calibration (used CBOD at Teche/Tortue confluence):
               71.36       2.3      6.70
!Loreauville, Village of; LA0038440:
               63.73    0.1934      23.0
!Breaux's Bay Craft Inc., LAG530854:
                62.9    0.0025     103.5
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
               61.97    0.0367        69
!Cajun Sugar Coop Inc, LA0004171:
               57.85     3.868      11.5
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
               54.89     1.934      41.4
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
               54.54    0.5802       4.6
!Iberia Sugar Coop Inc, Outfall 006, LA0002895:
               54.44    0.7156       0.0
!Bayou Side Trailer Park, LAG530055:
               50.24    0.0093     103.5
!Mosquito Control Contractors Inc (MCCI), LA0100650:
               48.86    0.0019     103.5
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
               46.65    0.0167        69
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
               45.41    0.0231        69
!Yellow Bowl Restaurant, LAG530611:
                38.2    0.0070     103.5
!Cypress Bayou Casino, LA0098710:
               33.64    0.2901      23.0
STOP
DO
SENS           1.000     1.000
!Bayou Teche headwaters=7Q10 from USGS Station 07385500 at Arnaudville:
!DO from site 10 sample during Bayou Courtableau survey:
               124.5       634      5.17
!Town of Port Barre Wastewater Treatment Plant, LA0020419:
               123.9     0.967       2.0
!St. Landry Parish Sewer District #1, LA0057401:
              117.81    0.0928       2.0
!CBS Enterprises, CBS Mobile Home Park (east pond), LAG540226:
              117.69    0.0302       2.0
!St. Landry Parish School Board, Leonville High School, LAG540689:
              113.13    0.0152       2.0
!St. Martin Parish School Board, Teche Elementary School, LAG540696:
               98.44    0.0174       2.0
!Acadiana Treatment Sys Inc., Magenta Plantation Townhomes Subdivision, LAG530027:
               94.62    0.0058       2.0
!Dallas Trailer Park, LAG530160:
               91.78   0.00464       2.0
!LA Sugar Cane Coop Inc., Breaux Bridge Branch, LA0000787:
                90.7    0.3481       2.0
!Bent Oak Trailer Park, LAG540911:
               88.61    0.0342       2.0
!St. Martin Parish Police Jury, LA0043991:
               77.52     5.802       2.0
```

```
!Bayou Tortue inflow=design capacity of the City of St. Martinville, LA0040941:
!DO from previous model APR 78 calibration (used DO at Teche/Tortue confluence):
                71.36        2.3       5.00
!Loreauville, Village of; LA0038440:
                63.73     0.1934        2.0
:Breaux's Bay Craft Inc., LAG530854:
                 62.9     0.0025        2.0
!Iberia Parish Sewerage Dist. #1, Breaux Estates Subdivision, LAG540383:
                61.97     0.0367        2.0
!Cajun Sugar Coop Inc, LA0004171:
                57.85      3.868        5.0
!Iberia Sugar Coop Inc, Outfall 004, LA0002895:
                54.89      1.934        2.0
!Louisiana Water Co., New Iberia Water Treatment Plant, LA0069841:
                54.54     0.5802        2.0
:Iberia Sugar Coop Inc, Outfall 006, LA0002895:
                54.44     0.7156        2.0
!Bayou Side Trailer Park, LAG530055:
                50.24     0.0093        2.0
!Mosquito Control Contractors Inc (MCCI), LA0100650:
                48.86     0.0019        2.0
!Iberia Parish Government, Rosedale Subdivision, LAG540378:
                46.65     0.0167        2.0
!Iberia Parish School Board, Jeanerette Sr. High School, LAG540380:
                45.41     0.0231        2.0
!Yellow Bowl Restaurant, LAG530611:
                 38.2     0.0070        2.0
!Cypress Bayou Casino, LA0098710:
                33.64     0.2901        2.0
STOP
HALT
```

```
1CLIWS 1.05*****************************************************************************************************************
 ******************************************************************************************************************************
    LLL                 III     MMM         MMM     NNN      NNN       OOOOOOOOOOO         SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLL                 III     MMMM       MMMM     NNNN     NNN      OOOOOOOOOOOOO       SSSSSSSSSSSSSS      SSSSSSSSSSSSSS
    LLL                 III     MMMMM     MMMMM     NNNNN    NNN     OOOOOOOOOOOOOOO     SS                  SS
    LLL                 III     MMMMMM   MMMMMM     NNNNNN   NNN     OOO         OOO     SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLL                 III     MMM MMM MMM MMM     NNN NNN  NNN     OOO         OOO     SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLL                 III     MMM  MMMMM  MMM     NNN  NNN NNN     OOO         OOO             SSSS                SSSS
    LLL                 III     MMM   MMM   MMM     NNN   NNNNNN     OOO         OOO             SSSS                SSSS
    LLLLLLLLLLLLLLL     III     MMM    M    MMM     NNN    NNNNN     OOOOOOOOOOOOOOO     SSSSSSSSSSSSSS      SSSSSSSSSSSSSS
    LLLLLLLLLLLLLLL     III     MMM         MMM     NNN     NNNN      OOOOOOOOOOOOO      SSSSSSSSSSSSS       SSSSSSSSSSSSS
    LLLLLLLLLLLLLLL     III     MMM         MMM     NNN      NNN       OOOOOOOOOOO       SSSSSSSSSSSSS       SSSSSSSSSSSSS
******************************************************************************************************************************
******************************************************************************************************************************
 RUN DATE  11/20/99
 RUN TIME 13:21:58
0********************     STEADY STATE WATER QUALITY MODEL
 ********************
 ********************     RUN TITLE.....Bayou Teche--Summer Projections (Mar-Nov), 5 DO criterion
 ********************
 ********************
 ********************     BASIC NETWORK DATA
 ********************     RIVER MILE AT DOWNSTREAM END...      33.50
 ********************     RIVER MILE AT UPSTREAM END.....     124.50
 ********************     RIVER MILE OF FALL LINE........        .00
 ********************     NUMBER OF SECTIONS............        500
1*****************************************************************************************************************************
 ******************************************************************************************************************************
 ***********************************                                                   ***********************************
 ***********************************     E S T U A R Y / S T R E A M   I N P U T   D A T A     ***********************************
 ***********************************                                                   ***********************************
 ******************************************************************************************************************************
 ******************************************************************************************************************************
0********************     JUNCT*N WIDTHS (FT)     ********************
```

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	100.000	127	56.34	103.630	252	79.09	122.527	377	101.84	103.593
2	33.59	100.000	128	56.52	103.937	253	79.27	122.382	378	102.02	103.430
3	33.77	100.000	129	56.70	104.228	254	79.45	122.236	379	102.20	103.266
4	33.95	100.000	130	56.89	104.519	255	79.64	122.091	380	102.39	103.102
5	34.14	100.000	131	57.07	104.810	256	79.82	121.945	381	102.57	102.945
6	34.32	100.000	132	57.25	105.101	257	80.00	121.799	382	102.75	102.799
7	34.50	100.000	133	57.43	105.393	258	80.18	121.654	383	102.93	102.654
8	34.68	100.000	134	57.61	105.684	259	80.36	121.508	384	103.11	102.508
9	34.86	100.000	135	57.80	105.975	260	80.55	121.367	385	103.30	102.363
10	35.05	100.000	136	57.98	106.266	261	80.73	121.240	386	103.48	102.217
11	35.23	100.000	137	58.16	106.557	262	80.91	121.112	387	103.66	102.104
12	35.41	100.000	138	58.34	106.849	263	81.09	120.985	388	103.84	101.994
13	35.59	100.000	139	58.52	107.140	264	81.27	120.858	389	104.02	101.885
14	35.77	100.000	140	58.71	107.431	265	81.46	120.730	390	104.21	101.776
15	35.96	100.000	141	58.89	107.722	266	81.64	120.589	391	104.39	101.667
16	36.14	100.000	142	59.07	108.013	267	81.82	120.443	392	104.57	101.565

17	36.32	100.000	143	59.25	108.305	268	82.00	120.298	393	104.75	101.474
18	36.50	100.000	144	59.43	108.596	269	82.18	120.152	394	104.93	101.383
19	36.68	100.000	145	59.62	108.887	270	82.37	120.007	395	105.12	101.292
20	36.87	100.000	146	59.80	109.178	271	82.55	119.861	396	105.30	101.201
21	37.05	100.000	147	59.98	109.469	272	82.73	119.715	397	105.48	101.110
22	37.23	100.000	148	60.16	109.761	273	82.91	119.570	398	105.66	101.084
23	37.41	100.000	149	60.34	110.052	274	83.09	119.424	399	105.84	101.066
24	37.59	100.000	150	60.53	110.343	275	83.28	119.279	400	106.03	101.047
25	37.78	100.000	151	60.71	110.634	276	83.46	119.133	401	106.21	101.029
26	37.96	100.000	152	60.89	110.925	277	83.64	118.987	402	106.39	101.011
27	38.14	100.000	153	61.07	111.217	278	83.82	118.842	403	106.57	101.102
28	38.32	100.000	154	61.25	111.508	279	84.00	118.696	404	106.75	101.357
29	38.50	100.000	155	61.44	111.799	280	84.19	118.551	405	106.94	101.611
30	38.69	100.000	156	61.62	112.114	281	84.37	118.405	406	107.12	101.866
31	38.87	100.000	157	61.80	112.442	282	84.55	118.259	407	107.30	102.121
32	39.05	100.000	158	61.98	112.769	283	84.73	118.114	408	107.48	102.376
33	39.23	100.000	159	62.16	113.097	284	84.91	117.968	409	107.66	102.631
34	39.41	100.000	160	62.35	113.424	285	85.10	117.823	410	107.85	102.885
35	39.60	100.000	161	62.53	113.758	286	85.28	117.677	411	108.03	103.140
36	39.78	100.000	162	62.71	114.122	287	85.46	117.531	412	108.21	103.395
37	39.96	100.000	163	62.89	114.486	288	85.64	117.400	413	108.39	103.650
38	40.14	100.000	164	63.07	114.850	289	85.82	117.273	414	108.57	103.905
39	40.32	100.000	165	63.26	115.214	290	86.01	117.145	415	108.76	104.159
40	40.51	100.000	166	63.44	115.578	291	86.19	117.018	416	108.94	104.414
41	40.69	100.000	167	63.62	115.930	292	86.37	116.890	417	109.12	104.669
42	40.87	100.000	168	63.80	116.275	293	86.55	116.753	418	109.30	104.924
43	41.05	100.000	169	63.98	116.621	294	86.73	116.589	419	109.48	105.179
44	41.23	100.000	170	64.17	116.967	295	86.92	116.425	420	109.67	105.433
45	41.42	100.000	171	64.35	117.313	296	87.10	116.261	421	109.85	105.688
46	41.60	100.000	172	64.53	117.659	297	87.28	116.097	422	110.03	105.943
47	41.78	100.000	173	64.71	118.004	298	87.46	115.934	423	110.21	106.198
48	41.96	100.000	174	64.89	118.350	299	87.64	115.784	424	110.39	106.453
49	42.14	100.000	175	65.08	118.696	300	87.83	115.639	425	110.58	106.707
50	42.33	100.000	176	65.26	119.042	301	88.01	115.493	426	110.76	106.962
51	42.51	100.000	177	65.44	119.388	302	88.19	115.347	427	110.94	107.217
52	42.69	100.000	178	65.62	119.733	303	88.37	115.202	428	111.12	107.472
53	42.87	100.000	179	65.80	120.079	304	88.55	115.051	429	111.30	107.727
54	43.05	100.000	180	65.99	120.425	305	88.74	114.887	430	111.49	107.981
55	43.24	100.000	181	66.17	120.771	306	88.92	114.723	431	111.67	108.236
56	43.42	100.000	182	66.35	121.117	307	89.10	114.559	432	111.85	108.491
57	43.60	100.000	183	66.53	121.462	308	89.28	114.396	433	112.03	108.746
58	43.78	100.000	184	66.71	121.808	309	89.46	114.232	434	112.21	109.001
59	43.96	100.000	185	66.90	122.154	310	89.65	114.068	435	112.40	109.255
60	44.15	100.000	186	67.08	122.500	311	89.83	113.904	436	112.58	109.510
61	44.33	100.000	187	67.26	122.846	312	90.01	113.740	437	112.76	109.765
62	44.51	100.000	188	67.44	123.191	313	90.19	113.577	438	112.94	110.020
63	44.69	100.000	189	67.62	123.537	314	90.37	113.413	439	113.12	110.275
64	44.87	100.000	190	67.81	123.883	315	90.56	113.249	440	113.31	110.529
65	45.06	100.000	191	67.99	124.229	316	90.74	113.085	441	113.49	110.784
66	45.24	100.000	192	68.17	124.575	317	90.92	112.921	442	113.67	111.039
67	45.42	100.000	193	68.35	124.920	318	91.10	112.758	443	113.85	111.294
68	45.60	100.000	194	68.53	125.235	319	91.28	112.594	444	114.03	111.549

69	45.78	100.000	195	68.72	125.417	320	91.47	112.430	445	114.22	111.803
70	45.97	100.000	196	68.90	125.599	321	91.65	112.281	446	114.40	112.058
71	46.15	100.000	197	69.08	125.781	322	91.83	112.135	447	114.58	112.313
72	46.33	100.000	198	69.26	125.963	323	92.01	111.990	448	114.76	112.568
73	46.51	100.000	199	69.44	126.145	324	92.19	111.844	449	114.94	112.823
74	46.69	100.000	200	69.63	126.200	325	92.38	111.699	450	115.13	113.077
75	46.88	100.000	201	69.81	126.200	326	92.56	111.547	451	115.31	113.332
76	47.06	100.000	202	69.99	126.200	327	92.74	111.383	452	115.49	113.587
77	47.24	100.000	203	70.17	126.200	328	92.92	111.220	453	115.67	113.842
78	47.42	100.000	204	70.35	126.200	329	93.10	111.056	454	115.85	114.097
79	47.60	100.000	205	70.54	126.318	330	93.29	110.892	455	116.04	114.351
80	47.79	100.000	206	70.72	126.900	331	93.47	110.728	456	116.22	114.606
81	47.97	100.000	207	70.90	127.483	332	93.65	110.579	457	116.40	114.861
82	48.15	100.000	208	71.08	128.065	333	93.83	110.434	458	116.58	115.116
83	48.33	100.000	209	71.26	128.647	334	94.01	110.288	459	116.76	115.370
84	48.51	100.000	210	71.45	129.230	335	94.20	110.143	460	116.95	115.625
85	48.70	100.000	211	71.63	129.323	336	94.38	109.997	461	117.13	115.880
86	48.88	100.000	212	71.81	129.214	337	94.56	109.845	462	117.31	116.135
87	49.06	100.000	213	71.99	129.104	338	94.74	109.682	463	117.49	116.390
88	49.24	100.000	214	72.17	128.995	339	94.92	109.518	464	117.67	116.644
89	49.42	100.000	215	72.36	128.886	340	95.11	109.354	465	117.86	116.899
90	49.61	100.000	216	72.54	128.765	341	95.29	109.190	466	118.04	117.154
91	49.79	100.000	217	72.72	128.601	342	95.47	109.026	467	118.22	117.409
92	49.97	100.000	218	72.90	128.437	343	95.65	108.878	468	118.40	117.664
93	50.15	100.000	219	73.08	128.274	344	95.83	108.732	469	118.58	117.927
94	50.33	100.000	220	73.27	128.110	345	96.02	108.587	470	118.77	118.200
95	50.52	100.000	221	73.45	127.946	346	96.20	108.441	471	118.95	118.473
96	50.70	100.000	222	73.63	127.782	347	96.38	108.295	472	119.13	118.746
97	50.88	100.000	223	73.81	127.618	348	96.56	108.144	473	119.31	119.019
98	51.06	100.000	224	73.99	127.455	349	96.74	107.980	474	119.49	119.292
99	51.24	100.000	225	74.18	127.291	350	96.93	107.816	475	119.68	119.547
100	51.43	100.000	226	74.36	127.127	351	97.11	107.652	476	119.86	119.802
101	51.61	100.000	227	74.54	126.955	352	97.29	107.488	477	120.04	120.057
102	51.79	100.000	228	74.72	126.755	353	97.47	107.325	478	120.22	120.312
103	51.97	100.000	229	74.90	126.555	354	97.65	107.176	479	120.40	120.566
104	52.15	100.000	230	75.09	126.354	355	97.84	107.031	480	120.59	120.821
105	52.34	100.000	231	75.27	126.154	356	98.02	106.885	481	120.77	121.076
106	52.52	100.000	232	75.45	125.954	357	98.20	106.739	482	120.95	121.331
107	52.70	100.000	233	75.63	125.754	358	98.38	106.594	483	121.13	121.586
108	52.88	100.000	234	75.81	125.554	359	98.56	106.442	484	121.31	121.840
109	53.06	100.000	235	76.00	125.354	360	98.75	106.278	485	121.50	122.095
110	53.25	100.000	236	76.18	125.153	361	98.93	106.114	486	121.68	122.350
111	53.43	100.000	237	76.36	124.953	362	99.11	105.950	487	121.86	122.605
112	53.61	100.067	238	76.54	124.757	363	99.29	105.787	488	122.04	122.860
113	53.79	100.176	239	76.72	124.575	364	99.47	105.623	489	122.22	123.114
114	53.97	100.285	240	76.91	124.393	365	99.66	105.475	490	122.41	123.369
115	54.16	100.394	241	77.09	124.211	366	99.84	105.329	491	122.59	123.624
116	54.34	100.503	242	77.27	124.029	367	100.02	105.183	492	122.77	123.879
117	54.52	100.633	243	77.45	123.847	368	100.20	105.038	493	122.95	124.134
118	54.70	100.925	244	77.63	123.692	369	100.38	104.892	494	123.13	124.388
119	54.88	101.216	245	77.82	123.547	370	100.57	104.740	495	123.32	124.643
120	55.07	101.507	246	78.00	123.401	371	100.75	104.576	496	123.50	124.898

121	55.25	101.798	247	78.18	123.255	372	100.93	104.412	497	123.68	125.153
122	55.43	102.089	248	78.36	123.110	373	101.11	104.249	498	123.86	125.408
123	55.61	102.392	249	78.54	122.964	374	101.29	104.085	499	124.04	125.662
124	55.79	102.701	250	78.73	122.819	375	101.48	103.921	500	124.23	125.917
125	55.98	103.011	251	78.91	122.673	376	101.66	103.757	501	124.41	126.172
126	56.16	103.320									

0********** JUNCTION SURFACE AREAS (SQFT) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	9.610E+04	127	56.34	9.958E+04	252	79.09	1.177E+05	377	101.84	9.955E+04
2	33.59	9.610E+04	128	56.52	9.988E+04	253	79.27	1.176E+05	378	102.02	9.939E+04
3	33.77	9.610E+04	129	56.70	1.002E+05	254	79.45	1.175E+05	379	102.20	9.923E+04
4	33.95	9.610E+04	130	56.89	1.004E+05	255	79.64	1.173E+05	380	102.39	9.908E+04
5	34.14	9.610E+04	131	57.07	1.007E+05	256	79.82	1.172E+05	381	102.57	9.893E+04
6	34.32	9.610E+04	132	57.25	1.010E+05	257	80.00	1.170E+05	382	102.75	9.879E+04
7	34.50	9.610E+04	133	57.43	1.013E+05	258	80.18	1.169E+05	383	102.93	9.865E+04
8	34.68	9.610E+04	134	57.61	1.016E+05	259	80.36	1.168E+05	384	103.11	9.851E+04
9	34.86	9.610E+04	135	57.80	1.018E+05	260	80.55	1.166E+05	385	103.30	9.837E+04
10	35.05	9.610E+04	136	57.98	1.021E+05	261	80.73	1.165E+05	386	103.48	9.823E+04
11	35.23	9.610E+04	137	58.16	1.024E+05	262	80.91	1.164E+05	387	103.66	9.812E+04
12	35.41	9.610E+04	138	58.34	1.027E+05	263	81.09	1.163E+05	388	103.84	9.801E+04
13	35.59	9.610E+04	139	58.52	1.030E+05	264	81.27	1.161E+05	389	104.02	9.791E+04
14	35.77	9.610E+04	140	58.71	1.032E+05	265	81.46	1.160E+05	390	104.21	9.780E+04
15	35.96	9.610E+04	141	58.89	1.035E+05	266	81.64	1.159E+05	391	104.39	9.770E+04
16	36.14	9.610E+04	142	59.07	1.038E+05	267	81.82	1.157E+05	392	104.57	9.760E+04
17	36.32	9.610E+04	143	59.25	1.041E+05	268	82.00	1.156E+05	393	104.75	9.751E+04
18	36.50	9.610E+04	144	59.43	1.044E+05	269	82.18	1.155E+05	394	104.93	9.742E+04
19	36.68	9.610E+04	145	59.62	1.046E+05	270	82.37	1.153E+05	395	105.12	9.734E+04
20	36.87	9.610E+04	146	59.80	1.049E+05	271	82.55	1.152E+05	396	105.30	9.725E+04
21	37.05	9.610E+04	147	59.98	1.052E+05	272	82.73	1.150E+05	397	105.48	9.716E+04
22	37.23	9.610E+04	148	60.16	1.055E+05	273	82.91	1.149E+05	398	105.66	9.714E+04
23	37.41	9.610E+04	149	60.34	1.058E+05	274	83.09	1.148E+05	399	105.84	9.712E+04
24	37.59	9.610E+04	150	60.53	1.060E+05	275	83.28	1.146E+05	400	106.03	9.710E+04
25	37.78	9.610E+04	151	60.71	1.063E+05	276	83.46	1.145E+05	401	106.21	9.708E+04
26	37.96	9.610E+04	152	60.89	1.066E+05	277	83.64	1.143E+05	402	106.39	9.707E+04
27	38.14	9.610E+04	153	61.07	1.069E+05	278	83.82	1.142E+05	403	106.57	9.715E+04
28	38.32	9.610E+04	154	61.25	1.072E+05	279	84.00	1.141E+05	404	106.75	9.740E+04
29	38.50	9.610E+04	155	61.44	1.074E+05	280	84.19	1.139E+05	405	106.94	9.764E+04
30	38.69	9.610E+04	156	61.62	1.077E+05	281	84.37	1.138E+05	406	107.12	9.789E+04
31	38.87	9.610E+04	157	61.80	1.081E+05	282	84.55	1.136E+05	407	107.30	9.813E+04
32	39.05	9.610E+04	158	61.98	1.084E+05	283	84.73	1.135E+05	408	107.48	9.838E+04
33	39.23	9.610E+04	159	62.16	1.087E+05	284	84.91	1.134E+05	409	107.66	9.862E+04
34	39.41	9.610E+04	160	62.35	1.090E+05	285	85.10	1.132E+05	410	107.85	9.887E+04
35	39.60	9.610E+04	161	62.53	1.093E+05	286	85.28	1.131E+05	411	108.03	9.911E+04
36	39.78	9.610E+04	162	62.71	1.097E+05	287	85.46	1.129E+05	412	108.21	9.936E+04
37	39.96	9.610E+04	163	62.89	1.100E+05	288	85.64	1.128E+05	413	108.39	9.960E+04
38	40.14	9.610E+04	164	63.07	1.104E+05	289	85.82	1.127E+05	414	108.57	9.985E+04
39	40.32	9.610E+04	165	63.26	1.107E+05	290	86.01	1.126E+05	415	108.76	1.001E+05
40	40.51	9.610E+04	166	63.44	1.111E+05	291	86.19	1.124E+05	416	108.94	1.003E+05
41	40.69	9.610E+04	167	63.62	1.114E+05	292	86.37	1.123E+05	417	109.12	1.006E+05
42	40.87	9.610E+04	168	63.80	1.117E+05	293	86.55	1.122E+05	418	109.30	1.008E+05
43	41.05	9.610E+04	169	63.98	1.121E+05	294	86.73	1.120E+05	419	109.48	1.011E+05

44	41.23	9.610E+04	170	64.17	1.124E+05	295	86.92	1.119E+05	420	109.67	1.013E+05
45	41.42	9.610E+04	171	64.35	1.127E+05	296	87.10	1.117E+05	421	109.85	1.016E+05
46	41.60	9.610E+04	172	64.53	1.131E+05	297	87.28	1.116E+05	422	110.03	1.018E+05
47	41.78	9.610E+04	173	64.71	1.134E+05	298	87.46	1.114E+05	423	110.21	1.021E+05
48	41.96	9.610E+04	174	64.89	1.137E+05	299	87.64	1.113E+05	424	110.39	1.023E+05
49	42.14	9.610E+04	175	65.08	1.141E+05	300	87.83	1.111E+05	425	110.58	1.025E+05
50	42.33	9.610E+04	176	65.26	1.144E+05	301	88.01	1.110E+05	426	110.76	1.028E+05
51	42.51	9.610E+04	177	65.44	1.147E+05	302	88.19	1.108E+05	427	110.94	1.030E+05
52	42.69	9.610E+04	178	65.62	1.151E+05	303	88.37	1.107E+05	428	111.12	1.033E+05
53	42.87	9.610E+04	179	65.80	1.154E+05	304	88.55	1.106E+05	429	111.30	1.035E+05
54	43.05	9.610E+04	180	65.99	1.157E+05	305	88.74	1.104E+05	430	111.49	1.038E+05
55	43.24	9.610E+04	181	66.17	1.161E+05	306	88.92	1.102E+05	431	111.67	1.040E+05
56	43.42	9.610E+04	182	66.35	1.164E+05	307	89.10	1.101E+05	432	111.85	1.043E+05
57	43.60	9.610E+04	183	66.53	1.167E+05	308	89.28	1.099E+05	433	112.03	1.045E+05
58	43.78	9.610E+04	184	66.71	1.171E+05	309	89.46	1.098E+05	434	112.21	1.047E+05
59	43.96	9.610E+04	185	66.90	1.174E+05	310	89.65	1.096E+05	435	112.40	1.050E+05
60	44.15	9.610E+04	186	67.08	1.177E+05	311	89.83	1.095E+05	436	112.58	1.052E+05
61	44.33	9.610E+04	187	67.26	1.180E+05	312	90.01	1.093E+05	437	112.76	1.055E+05
62	44.51	9.610E+04	188	67.44	1.184E+05	313	90.19	1.091E+05	438	112.94	1.057E+05
63	44.69	9.610E+04	189	67.62	1.187E+05	314	90.37	1.090E+05	439	113.12	1.060E+05
64	44.87	9.610E+04	190	67.81	1.190E+05	315	90.56	1.088E+05	440	113.31	1.062E+05
65	45.06	9.610E+04	191	67.99	1.194E+05	316	90.74	1.087E+05	441	113.49	1.065E+05
66	45.24	9.610E+04	192	68.17	1.197E+05	317	90.92	1.085E+05	442	113.67	1.067E+05
67	45.42	9.610E+04	193	68.35	1.200E+05	318	91.10	1.084E+05	443	113.85	1.069E+05
68	45.60	9.610E+04	194	68.53	1.203E+05	319	91.28	1.082E+05	444	114.03	1.072E+05
69	45.78	9.610E+04	195	68.72	1.205E+05	320	91.47	1.080E+05	445	114.22	1.074E+05
70	45.97	9.610E+04	196	68.90	1.207E+05	321	91.65	1.079E+05	446	114.40	1.077E+05
71	46.15	9.610E+04	197	69.08	1.209E+05	322	91.83	1.078E+05	447	114.58	1.079E+05
72	46.33	9.610E+04	198	69.26	1.210E+05	323	92.01	1.076E+05	448	114.76	1.082E+05
73	46.51	9.610E+04	199	69.44	1.212E+05	324	92.19	1.075E+05	449	114.94	1.084E+05
74	46.69	9.610E+04	200	69.63	1.213E+05	325	92.38	1.073E+05	450	115.13	1.087E+05
75	46.88	9.610E+04	201	69.81	1.213E+05	326	92.56	1.072E+05	451	115.31	1.089E+05
76	47.06	9.610E+04	202	69.99	1.213E+05	327	92.74	1.070E+05	452	115.49	1.092E+05
77	47.24	9.610E+04	203	70.17	1.213E+05	328	92.92	1.069E+05	453	115.67	1.094E+05
78	47.42	9.610E+04	204	70.35	1.213E+05	329	93.10	1.067E+05	454	115.85	1.096E+05
79	47.60	9.610E+04	205	70.54	1.214E+05	330	93.29	1.066E+05	455	116.04	1.099E+05
80	47.79	9.610E+04	206	70.72	1.219E+05	331	93.47	1.064E+05	456	116.22	1.101E+05
81	47.97	9.610E+04	207	70.90	1.225E+05	332	93.65	1.063E+05	457	116.40	1.104E+05
82	48.15	9.610E+04	208	71.08	1.231E+05	333	93.83	1.061E+05	458	116.58	1.106E+05
83	48.33	9.610E+04	209	71.26	1.236E+05	334	94.01	1.060E+05	459	116.76	1.109E+05
84	48.51	9.610E+04	210	71.45	1.242E+05	335	94.20	1.058E+05	460	116.95	1.111E+05
85	48.70	9.610E+04	211	71.63	1.243E+05	336	94.38	1.057E+05	461	117.13	1.114E+05
86	48.88	9.610E+04	212	71.81	1.242E+05	337	94.56	1.056E+05	462	117.31	1.116E+05
87	49.06	9.610E+04	213	71.99	1.241E+05	338	94.74	1.054E+05	463	117.49	1.118E+05
88	49.24	9.610E+04	214	72.17	1.240E+05	339	94.92	1.052E+05	464	117.67	1.121E+05
89	49.42	9.610E+04	215	72.36	1.239E+05	340	95.11	1.051E+05	465	117.86	1.123E+05
90	49.61	9.610E+04	216	72.54	1.237E+05	341	95.29	1.049E+05	466	118.04	1.126E+05
91	49.79	9.610E+04	217	72.72	1.236E+05	342	95.47	1.048E+05	467	118.22	1.128E+05
92	49.97	9.610E+04	218	72.90	1.234E+05	343	95.65	1.046E+05	468	118.40	1.131E+05
93	50.15	9.610E+04	219	73.08	1.233E+05	344	95.83	1.045E+05	469	118.58	1.133E+05
94	50.33	9.610E+04	220	73.27	1.231E+05	345	96.02	1.043E+05	470	118.77	1.136E+05
95	50.52	9.610E+04	221	73.45	1.230E+05	346	96.20	1.042E+05	471	118.95	1.138E+05

96	50.70	9.610E+04	222	73.63	1.228E+05	347	96.38	1.041E+05	472	119.13	1.141E+05
97	50.88	9.610E+04	223	73.81	1.226E+05	348	96.56	1.039E+05	473	119.31	1.144E+05
98	51.06	9.610E+04	224	73.99	1.225E+05	349	96.74	1.038E+05	474	119.49	1.146E+05
99	51.24	9.610E+04	225	74.18	1.223E+05	350	96.93	1.036E+05	475	119.68	1.149E+05
100	51.43	9.610E+04	226	74.36	1.222E+05	351	97.11	1.034E+05	476	119.86	1.151E+05
101	51.61	9.610E+04	227	74.54	1.220E+05	352	97.29	1.033E+05	477	120.04	1.154E+05
102	51.79	9.610E+04	228	74.72	1.218E+05	353	97.47	1.031E+05	478	120.22	1.156E+05
103	51.97	9.610E+04	229	74.90	1.216E+05	354	97.65	1.030E+05	479	120.40	1.159E+05
104	52.15	9.610E+04	230	75.09	1.214E+05	355	97.84	1.029E+05	480	120.59	1.161E+05
105	52.34	9.610E+04	231	75.27	1.212E+05	356	98.02	1.027E+05	481	120.77	1.163E+05
106	52.52	9.610E+04	232	75.45	1.210E+05	357	98.20	1.026E+05	482	120.95	1.166E+05
107	52.70	9.610E+04	233	75.63	1.208E+05	358	98.38	1.024E+05	483	121.13	1.168E+05
108	52.88	9.610E+04	234	75.81	1.207E+05	359	98.56	1.023E+05	484	121.31	1.171E+05
109	53.06	9.610E+04	235	76.00	1.205E+05	360	98.75	1.021E+05	485	121.50	1.173E+05
110	53.25	9.610E+04	236	76.18	1.203E+05	361	98.93	1.020E+05	486	121.68	1.176E+05
111	53.43	9.610E+04	237	76.36	1.201E+05	362	99.11	1.018E+05	487	121.86	1.178E+05
112	53.61	9.616E+04	238	76.54	1.199E+05	363	99.29	1.017E+05	488	122.04	1.181E+05
113	53.79	9.626E+04	239	76.72	1.197E+05	364	99.47	1.015E+05	489	122.22	1.183E+05
114	53.97	9.637E+04	240	76.91	1.195E+05	365	99.66	1.014E+05	490	122.41	1.186E+05
115	54.16	9.647E+04	241	77.09	1.194E+05	366	99.84	1.012E+05	491	122.59	1.188E+05
116	54.34	9.658E+04	242	77.27	1.192E+05	367	100.02	1.011E+05	492	122.77	1.190E+05
117	54.52	9.670E+04	243	77.45	1.190E+05	368	100.20	1.009E+05	493	122.95	1.193E+05
118	54.70	9.698E+04	244	77.63	1.189E+05	369	100.38	1.008E+05	494	123.13	1.195E+05
119	54.88	9.726E+04	245	77.82	1.187E+05	370	100.57	1.007E+05	495	123.32	1.198E+05
120	55.07	9.754E+04	246	78.00	1.186E+05	371	100.75	1.005E+05	496	123.50	1.200E+05
121	55.25	9.782E+04	247	78.18	1.184E+05	372	100.93	1.003E+05	497	123.68	1.203E+05
122	55.43	9.810E+04	248	78.36	1.183E+05	373	101.11	1.002E+05	498	123.86	1.205E+05
123	55.61	9.839E+04	249	78.54	1.182E+05	374	101.29	1.000E+05	499	124.04	1.208E+05
124	55.79	9.869E+04	250	78.73	1.180E+05	375	101.48	9.986E+04	500	124.23	1.210E+05
125	55.98	9.899E+04	251	78.91	1.179E+05	376	101.66	9.971E+04	501	124.41	1.212E+05
126	56.16	9.929E+04									

0********** A3 COEFFICIENT FOR FLOW EQUATION -REPRESENTS DEPTH OF FLOW IF A1 AND/OR A2 ARE **********
********** NOT SPECIFIED (OR ARE ZERO) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	11.300	127	56.34	10.268	252	79.09	7.241	377	101.84	5.566
2	33.59	11.255	128	56.52	10.307	253	79.27	7.223	378	102.02	5.548
3	33.77	11.164	129	56.70	10.361	254	79.45	7.205	379	102.20	5.530
4	33.95	11.073	130	56.89	10.416	255	79.64	7.186	380	102.39	5.511
5	34.14	10.982	131	57.07	10.471	256	79.82	7.168	381	102.57	5.500
6	34.32	10.891	132	57.25	10.525	257	80.00	7.150	382	102.75	5.500
7	34.50	10.800	133	57.43	10.580	258	80.18	7.132	383	102.93	5.500
8	34.68	10.745	134	57.61	10.623	259	80.36	7.114	384	103.11	5.500
9	34.86	10.691	135	57.80	10.659	260	80.55	7.091	385	103.30	5.500
10	35.05	10.636	136	57.98	10.696	261	80.73	7.054	386	103.48	5.500
11	35.23	10.581	137	58.16	10.732	262	80.91	7.018	387	103.66	5.516
12	35.41	10.527	138	58.34	10.769	263	81.09	6.981	388	103.84	5.534
13	35.59	10.500	139	58.52	10.805	264	81.27	6.945	389	104.02	5.552
14	35.77	10.500	140	58.71	10.841	265	81.46	6.909	390	104.21	5.571
15	35.96	10.500	141	58.89	10.878	266	81.64	6.886	391	104.39	5.589
16	36.14	10.500	142	59.07	10.914	267	81.82	6.868	392	104.57	5.607
17	36.32	10.500	143	59.25	10.951	268	82.00	6.850	393	104.75	5.625

18	36.50	10.501	144	59.43	10.987	269	82.18	6.832	394	104.93	5.643
19	36.68	10.555	145	59.62	11.023	270	82.37	6.813	395	105.12	5.662
20	36.87	10.610	146	59.80	11.060	271	82.55	6.795	396	105.30	5.680
21	37.05	10.665	147	59.98	11.096	272	82.73	6.777	397	105.48	5.698
22	37.23	10.719	148	60.16	11.133	273	82.91	6.759	398	105.66	5.733
23	37.41	10.774	149	60.34	11.169	274	83.09	6.741	399	105.84	5.769
24	37.59	10.866	150	60.53	11.208	275	83.28	6.722	400	106.03	5.805
25	37.78	10.994	151	60.71	11.263	276	83.46	6.704	401	106.21	5.842
26	37.96	11.121	152	60.89	11.317	277	83.64	6.672	402	106.39	5.878
27	38.14	11.249	153	61.07	11.372	278	83.82	6.635	403	106.57	5.907
28	38.32	11.376	154	61.25	11.426	279	84.00	6.599	404	106.75	5.925
29	38.50	11.501	155	61.44	11.481	280	84.19	6.563	405	106.94	5.944
30	38.69	11.556	156	61.62	11.452	281	84.37	6.526	406	107.12	5.962
31	38.87	11.611	157	61.80	11.380	282	84.55	6.495	407	107.30	5.980
32	39.05	11.665	158	61.98	11.307	283	84.73	6.477	408	107.48	5.998
33	39.23	11.720	159	62.16	11.234	284	84.91	6.459	409	107.66	6.016
34	39.41	11.774	160	62.35	11.161	285	85.10	6.440	410	107.85	6.035
35	39.60	11.800	161	62.53	11.088	286	85.28	6.422	411	108.03	6.053
36	39.78	11.800	162	62.71	11.016	287	85.46	6.404	412	108.21	6.071
37	39.96	11.800	163	62.89	10.943	288	85.64	6.386	413	108.39	6.089
38	40.14	11.800	164	63.07	10.870	289	85.82	6.368	414	108.57	6.107
39	40.32	11.800	165	63.26	10.797	290	86.01	6.349	415	108.76	6.126
40	40.51	11.798	166	63.44	10.724	291	86.19	6.331	416	108.94	6.144
41	40.69	11.743	167	63.62	10.640	292	86.37	6.313	417	109.12	6.162
42	40.87	11.689	168	63.80	10.549	293	86.55	6.295	418	109.30	6.180
43	41.05	11.634	169	63.98	10.458	294	86.73	6.277	419	109.48	6.198
44	41.23	11.580	170	64.17	10.367	295	86.92	6.258	420	109.67	6.183
45	41.42	11.525	171	64.35	10.276	296	87.10	6.240	421	109.85	6.165
46	41.60	11.579	172	64.53	10.188	297	87.28	6.222	422	110.03	6.147
47	41.78	11.725	173	64.71	10.115	298	87.46	6.204	423	110.21	6.129
48	41.96	11.870	174	64.89	10.042	299	87.64	6.186	424	110.39	6.111
49	42.14	12.016	175	65.08	9.969	300	87.83	6.167	425	110.58	6.077
50	42.33	12.162	176	65.26	9.896	301	88.01	6.149	426	110.76	6.022
51	42.51	12.294	177	65.44	9.824	302	88.19	6.131	427	110.94	5.968
52	42.69	12.166	178	65.62	9.739	303	88.37	6.113	428	111.12	5.913
53	42.87	12.039	179	65.80	9.648	304	88.55	6.095	429	111.30	5.859
54	43.05	11.912	180	65.99	9.557	305	88.74	6.076	430	111.49	5.804
55	43.24	11.784	181	66.17	9.466	306	88.92	6.058	431	111.67	5.749
56	43.42	11.657	182	66.35	9.375	307	89.10	6.040	432	111.85	5.695
57	43.60	11.539	183	66.53	9.287	308	89.28	6.022	433	112.03	5.640
58	43.78	11.430	184	66.71	9.214	309	89.46	6.004	434	112.21	5.586
59	43.96	11.321	185	66.90	9.141	310	89.65	5.985	435	112.40	5.531
60	44.15	11.212	186	67.08	9.068	311	89.83	5.967	436	112.58	5.469
61	44.33	11.103	187	67.26	8.996	312	90.01	5.949	437	112.76	5.396
62	44.51	10.993	188	67.44	8.923	313	90.19	5.931	438	112.94	5.323
63	44.69	10.884	189	67.62	8.838	314	90.37	5.913	439	113.12	5.250
64	44.87	10.775	190	67.81	8.747	315	90.56	5.900	440	113.31	5.177
65	45.06	10.666	191	67.99	8.656	316	90.74	5.900	441	113.49	5.105
66	45.24	10.557	192	68.17	8.565	317	90.92	5.900	442	113.67	5.117
67	45.42	10.447	193	68.35	8.474	318	91.10	5.900	443	113.85	5.135
68	45.60	10.349	194	68.53	8.393	319	91.28	5.900	444	114.03	5.153
69	45.78	10.258	195	68.72	8.357	320	91.47	5.900	445	114.22	5.172

70	45.97	10.167	196	68.90	8.320	321	91.65	5.885	446	114.40	5.190
71	46.15	10.076	197	69.08	8.284	322	91.83	5.867	447	114.58	5.216
72	46.33	9.985	198	69.26	8.247	323	92.01	5.849	448	114.76	5.253
73	46.51	9.916	199	69.44	8.211	324	92.19	5.831	449	114.94	5.289
74	46.69	10.134	200	69.63	8.200	325	92.38	5.812	450	115.13	5.325
75	46.88	10.352	201	69.81	8.200	326	92.56	5.800	451	115.31	5.362
76	47.06	10.571	202	69.99	8.200	327	92.74	5.800	452	115.49	5.398
77	47.24	10.789	203	70.17	8.200	328	92.92	5.800	453	115.67	5.452
78	47.42	11.008	204	70.35	8.200	329	93.10	5.800	454	115.85	5.506
79	47.60	11.236	205	70.54	8.174	330	93.29	5.800	455	116.04	5.561
80	47.79	11.473	206	70.72	8.047	331	93.47	5.800	456	116.22	5.616
81	47.97	11.710	207	70.90	7.919	332	93.65	5.800	457	116.40	5.670
82	48.15	11.946	208	71.08	7.792	333	93.83	5.800	458	116.58	5.725
83	48.33	12.183	209	71.26	7.665	334	94.01	5.800	459	116.76	5.779
84	48.51	12.396	210	71.45	7.537	335	94.20	5.800	460	116.95	5.834
85	48.70	12.341	211	71.63	7.552	336	94.38	5.800	461	117.13	5.889
86	48.88	12.286	212	71.81	7.624	337	94.56	5.794	462	117.31	5.943
87	49.06	12.232	213	71.99	7.697	338	94.74	5.776	463	117.49	5.998
88	49.24	12.177	214	72.17	7.770	339	94.92	5.758	464	117.67	6.052
89	49.42	12.123	215	72.36	7.843	340	95.11	5.739	465	117.86	6.107
90	49.61	11.822	216	72.54	7.923	341	95.29	5.721	466	118.04	6.162
91	49.79	11.349	217	72.72	8.032	342	95.47	5.703	467	118.22	6.216
92	49.97	10.876	218	72.90	8.142	343	95.65	5.700	468	118.40	6.271
93	50.15	10.402	219	73.08	8.251	344	95.83	5.700	469	118.58	6.325
94	50.33	9.929	220	73.27	8.360	345	96.02	5.700	470	118.77	6.380
95	50.52	9.498	221	73.45	8.469	346	96.20	5.700	471	118.95	6.435
96	50.70	9.480	222	73.63	8.539	347	96.38	5.700	472	119.13	6.489
97	50.88	9.462	223	73.81	8.594	348	96.56	5.700	473	119.31	6.544
98	51.06	9.444	224	73.99	8.648	349	96.74	5.700	474	119.49	6.598
99	51.24	9.426	225	74.18	8.703	350	96.93	5.700	475	119.68	6.653
100	51.43	9.407	226	74.36	8.758	351	97.11	5.700	476	119.86	6.708
101	51.61	9.563	227	74.54	8.780	352	97.29	5.700	477	120.04	6.762
102	51.79	9.836	228	74.72	8.689	353	97.47	5.700	478	120.22	6.817
103	51.97	10.109	229	74.90	8.598	354	97.65	5.700	479	120.40	6.871
104	52.15	10.382	230	75.09	8.507	355	97.84	5.700	480	120.59	6.917
105	52.34	10.655	231	75.27	8.416	356	98.02	5.700	481	120.77	6.954
106	52.52	10.879	232	75.45	8.325	357	98.20	5.700	482	120.95	6.990
107	52.70	10.679	233	75.63	8.234	358	98.38	5.700	483	121.13	7.027
108	52.88	10.479	234	75.81	8.143	359	98.56	5.694	484	121.31	7.063
109	53.06	10.279	235	76.00	8.052	360	98.75	5.675	485	121.50	7.099
110	53.25	10.078	236	76.18	7.961	361	98.93	5.657	486	121.68	7.154
111	53.43	9.878	237	76.36	7.870	362	99.11	5.639	487	121.86	7.208
112	53.61	9.811	238	76.54	7.787	363	99.29	5.621	488	122.04	7.263
113	53.79	9.829	239	76.72	7.733	364	99.47	5.603	489	122.22	7.317
114	53.97	9.847	240	76.91	7.678	365	99.66	5.600	490	122.41	7.372
115	54.16	9.866	241	77.09	7.623	366	99.84	5.600	491	122.59	7.427
116	54.34	9.884	242	77.27	7.569	367	100.02	5.600	492	122.77	7.481
117	54.52	9.904	243	77.45	7.514	368	100.20	5.600	493	122.95	7.536
118	54.70	9.941	244	77.63	7.473	369	100.38	5.600	494	123.13	7.590
119	54.88	9.977	245	77.82	7.437	370	100.57	5.600	495	123.32	7.645
120	55.07	10.013	246	78.00	7.400	371	100.75	5.600	496	123.50	7.700
121	55.25	10.050	247	78.18	7.364	372	100.93	5.600	497	123.68	7.754

122	55.43	10.086	248	78.36	7.327	373	101.11	5.600	498	123.86	7.809
123	55.61	10.123	249	78.54	7.296	374	101.29	5.600	499	124.04	7.863
124	55.79	10.159	250	78.73	7.277	375	101.48	5.600	500	124.23	7.918
125	55.98	10.195	251	78.91	7.259	376	101.66	5.584	501	124.41	7.973
126	56.16	10.232									

0********** JUNCTION WATER TEMPERATURES (DEG-C) **********

ALL VALUES = 29.900

0********** INPUTED OXYGEN SATURATION CONCENTRATIONS (PPM) **********

ALL VALUES = 7.600

0********** NET EVAPORATION - RAINFALL (IN/MO) **********

ALL VALUES = 0.000E+00

0********** OXYGEN UPTAKE OF SEDIMENTS (GM 02/SQM/DAY) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.412	127	56.34	1.385	252	79.09	.923	377	101.84	.460
2	33.59	1.412	128	56.52	1.381	253	79.27	.919	378	102.02	.457
3	33.77	1.412	129	56.70	1.377	254	79.45	.915	379	102.20	.453
4	33.95	1.412	130	56.89	1.374	255	79.64	.912	380	102.39	.449
5	34.14	1.412	131	57.07	1.370	256	79.82	.908	381	102.57	.446
6	34.32	1.412	132	57.25	1.366	257	80.00	.904	382	102.75	.442
7	34.50	1.412	133	57.43	1.363	258	80.18	.900	383	102.93	.438
8	34.68	1.412	134	57.61	1.359	259	80.36	.897	384	103.11	.434
9	34.86	1.412	135	57.80	1.355	260	80.55	.893	385	103.30	.431
10	35.05	1.412	136	57.98	1.352	261	80.73	.889	386	103.48	.427
11	35.23	1.412	137	58.16	1.348	262	80.91	.886	387	103.66	.423
12	35.41	1.412	138	58.34	1.344	263	81.09	.882	388	103.84	.420
13	35.59	1.412	139	58.52	1.340	264	81.27	.878	389	104.02	.416
14	35.77	1.412	140	58.71	1.337	265	81.46	.875	390	104.21	.412
15	35.96	1.412	141	58.89	1.333	266	81.64	.871	391	104.39	.409
16	36.14	1.412	142	59.07	1.329	267	81.82	.867	392	104.57	.405
17	36.32	1.412	143	59.25	1.326	268	82.00	.863	393	104.75	.401
18	36.50	1.412	144	59.43	1.322	269	82.18	.860	394	104.93	.398
19	36.68	1.412	145	59.62	1.318	270	82.37	.856	395	105.12	.394
20	36.87	1.412	146	59.80	1.315	271	82.55	.852	396	105.30	.390
21	37.05	1.412	147	59.98	1.311	272	82.73	.849	397	105.48	.386
22	37.23	1.412	148	60.16	1.307	273	82.91	.845	398	105.66	.383
23	37.41	1.412	149	60.34	1.303	274	83.09	.841	399	105.84	.379
24	37.59	1.412	150	60.53	1.300	275	83.28	.838	400	106.03	.375
25	37.78	1.412	151	60.71	1.296	276	83.46	.834	401	106.21	.372
26	37.96	1.412	152	60.89	1.292	277	83.64	.830	402	106.39	.368
27	38.14	1.412	153	61.07	1.289	278	83.82	.826	403	106.57	.364
28	38.32	1.412	154	61.25	1.285	279	84.00	.823	404	106.75	.361
29	38.50	1.412	155	61.44	1.281	280	84.19	.819	405	106.94	.357
30	38.69	1.412	156	61.62	1.278	281	84.37	.815	406	107.12	.353
31	38.87	1.412	157	61.80	1.274	282	84.55	.812	407	107.30	.349
32	39.05	1.412	158	61.98	1.270	283	84.73	.808	408	107.48	.346
33	39.23	1.412	159	62.16	1.267	284	84.91	.804	409	107.66	.342
34	39.41	1.412	160	62.35	1.263	285	85.10	.801	410	107.85	.338
35	39.60	1.412	161	62.53	1.259	286	85.28	.797	411	108.03	.335
36	39.78	1.412	162	62.71	1.255	287	85.46	.793	412	108.21	.331
37	39.96	1.412	163	62.89	1.252	288	85.64	.789	413	108.39	.327
38	40.14	1.412	164	63.07	1.248	289	85.82	.786	414	108.57	.324

39	40.32	1.412	165	63.26	1.244	290	86.01	.782	415	108.76	.320
40	40.51	1.412	166	63.44	1.241	291	86.19	.778	416	108.94	.316
41	40.69	1.412	167	63.62	1.237	292	86.37	.775	417	109.12	.312
42	40.87	1.412	168	63.80	1.233	293	86.55	.771	418	109.30	.309
43	41.05	1.412	169	63.98	1.230	294	86.73	.767	419	109.48	.305
44	41.23	1.412	170	64.17	1.226	295	86.92	.764	420	109.67	.301
45	41.42	1.412	171	64.35	1.222	296	87.10	.760	421	109.85	.298
46	41.60	1.412	172	64.53	1.218	297	87.28	.756	422	110.03	.294
47	41.78	1.412	173	64.71	1.215	298	87.46	.753	423	110.21	.290
48	41.96	1.412	174	64.89	1.211	299	87.64	.749	424	110.39	.287
49	42.14	1.412	175	65.08	1.207	300	87.83	.745	425	110.58	.283
50	42.33	1.412	176	65.26	1.204	301	88.01	.741	426	110.76	.279
51	42.51	1.412	177	65.44	1.200	302	88.19	.738	427	110.94	.275
52	42.69	1.412	178	65.62	1.196	303	88.37	.734	428	111.12	.272
53	42.87	1.412	179	65.80	1.193	304	88.55	.730	429	111.30	.268
54	43.05	1.412	180	65.99	1.189	305	88.74	.727	430	111.49	.264
55	43.24	1.412	181	66.17	1.185	306	88.92	.723	431	111.67	.261
56	43.42	1.412	182	66.35	1.181	307	89.10	.719	432	111.85	.257
57	43.60	1.412	183	66.53	1.178	308	89.28	.716	433	112.03	.253
58	43.78	1.412	184	66.71	1.174	309	89.46	.712	434	112.21	.250
59	43.96	1.412	185	66.90	1.170	310	89.65	.708	435	112.40	.246
60	44.15	1.412	186	67.08	1.167	311	89.83	.704	436	112.58	.242
61	44.33	1.412	187	67.26	1.163	312	90.01	.701	437	112.76	.239
62	44.51	1.412	188	67.44	1.159	313	90.19	.697	438	112.94	.235
63	44.69	1.412	189	67.62	1.156	314	90.37	.693	439	113.12	.231
64	44.87	1.412	190	67.81	1.152	315	90.56	.690	440	113.31	.227
65	45.06	1.412	191	67.99	1.148	316	90.74	.686	441	113.49	.224
66	45.24	1.412	192	68.17	1.144	317	90.92	.682	442	113.67	.220
67	45.42	1.412	193	68.35	1.141	318	91.10	.679	443	113.85	.216
68	45.60	1.412	194	68.53	1.137	319	91.28	.675	444	114.03	.213
69	45.78	1.412	195	68.72	1.133	320	91.47	.671	445	114.22	.209
70	45.97	1.412	196	68.90	1.130	321	91.65	.667	446	114.40	.205
71	46.15	1.412	197	69.08	1.126	322	91.83	.664	447	114.58	.202
72	46.33	1.412	198	69.26	1.122	323	92.01	.660	448	114.76	.198
73	46.51	1.412	199	69.44	1.119	324	92.19	.656	449	114.94	.194
74	46.69	1.412	200	69.63	1.115	325	92.38	.653	450	115.13	.190
75	46.88	1.412	201	69.81	1.111	326	92.56	.649	451	115.31	.187
76	47.06	1.412	202	69.99	1.107	327	92.74	.645	452	115.49	.183
77	47.24	1.412	203	70.17	1.104	328	92.92	.642	453	115.67	.179
78	47.42	1.412	204	70.35	1.100	329	93.10	.638	454	115.85	.176
79	47.60	1.412	205	70.54	1.096	330	93.29	.634	455	116.04	.172
80	47.79	1.412	206	70.72	1.093	331	93.47	.630	456	116.22	.168
81	47.97	1.412	207	70.90	1.089	332	93.65	.627	457	116.40	.165
82	48.15	1.412	208	71.08	1.085	333	93.83	.623	458	116.58	.161
83	48.33	1.412	209	71.26	1.082	334	94.01	.619	459	116.76	.157
84	48.51	1.412	210	71.45	1.078	335	94.20	.616	460	116.95	.153
85	48.70	1.412	211	71.63	1.074	336	94.38	.612	461	117.13	.150
86	48.88	1.412	212	71.81	1.071	337	94.56	.608	462	117.31	.146
87	49.06	1.412	213	71.99	1.067	338	94.74	.605	463	117.49	.142
88	49.24	1.412	214	72.17	1.063	339	94.92	.601	464	117.67	.139
89	49.42	1.412	215	72.36	1.059	340	95.11	.597	465	117.86	.135
90	49.61	1.412	216	72.54	1.056	341	95.29	.594	466	118.04	.131

91	49.79	1.412	217	72.72	1.052	342	95.47	.590	467	118.22	.128
92	49.97	1.412	218	72.90	1.048	343	95.65	.586	468	118.40	.124
93	50.15	1.412	219	73.08	1.045	344	95.83	.582	469	118.58	.120
94	50.33	1.412	220	73.27	1.041	345	96.02	.579	470	118.77	.116
95	50.52	1.412	221	73.45	1.037	346	96.20	.575	471	118.95	.113
96	50.70	1.412	222	73.63	1.034	347	96.38	.571	472	119.13	.109
97	50.88	1.412	223	73.81	1.030	348	96.56	.568	473	119.31	.105
98	51.06	1.412	224	73.99	1.026	349	96.74	.564	474	119.49	.102
99	51.24	1.412	225	74.18	1.022	350	96.93	.560	475	119.68	.098
100	51.43	1.412	226	74.36	1.019	351	97.11	.557	476	119.86	.094
101	51.61	1.412	227	74.54	1.015	352	97.29	.553	477	120.04	.091
102	51.79	1.412	228	74.72	1.011	353	97.47	.549	478	120.22	.087
103	51.97	1.412	229	74.90	1.008	354	97.65	.545	479	120.40	.083
104	52.15	1.412	230	75.09	1.004	355	97.84	.542	480	120.59	.080
105	52.34	1.412	231	75.27	1.000	356	98.02	.538	481	120.77	.076
106	52.52	1.412	232	75.45	.997	357	98.20	.534	482	120.95	.072
107	52.70	1.412	233	75.63	.993	358	98.38	.531	483	121.13	.068
108	52.88	1.412	234	75.81	.989	359	98.56	.527	484	121.31	.065
109	53.06	1.412	235	76.00	.985	360	98.75	.523	485	121.50	.061
110	53.25	1.412	236	76.18	.982	361	98.93	.520	486	121.68	.057
111	53.43	1.412	237	76.36	.978	362	99.11	.516	487	121.86	.054
112	53.61	1.412	238	76.54	.974	363	99.29	.512	488	122.04	.050
113	53.79	1.412	239	76.72	.971	364	99.47	.508	489	122.22	.046
114	53.97	1.412	240	76.91	.967	365	99.66	.505	490	122.41	.043
115	54.16	1.412	241	77.09	.963	366	99.84	.501	491	122.59	.039
116	54.34	1.412	242	77.27	.960	367	100.02	.497	492	122.77	.035
117	54.52	1.412	243	77.45	.956	368	100.20	.494	493	122.95	.031
118	54.70	1.412	244	77.63	.952	369	100.38	.490	494	123.13	.028
119	54.88	1.412	245	77.82	.948	370	100.57	.486	495	123.32	.024
120	55.07	1.411	246	78.00	.945	371	100.75	.483	496	123.50	.020
121	55.25	1.407	247	78.18	.941	372	100.93	.479	497	123.68	.017
122	55.43	1.403	248	78.36	.937	373	101.11	.475	498	123.86	.013
123	55.61	1.400	249	78.54	.934	374	101.29	.471	499	124.04	.009
124	55.79	1.396	250	78.73	.930	375	101.48	.468	500	124.23	.006
125	55.98	1.392	251	78.91	.926	376	101.66	.464	501	124.41	.002
126	56.16	1.389									

0********** DISPERSION COEFFICIENTS (SQFT/SEC) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.50	32.300	126	56.25	64.500	251	79.00	32.300	376	101.75	32.300
2	33.68	32.300	127	56.43	64.500	252	79.18	32.300	377	101.93	32.300
3	33.86	32.300	128	56.61	64.500	253	79.36	32.300	378	102.11	32.300
4	34.05	32.300	129	56.80	64.500	254	79.55	32.300	379	102.30	32.300
5	34.23	32.300	130	56.98	64.500	255	79.73	32.300	380	102.48	32.300
6	34.41	32.300	131	57.16	64.500	256	79.91	32.300	381	102.66	32.300
7	34.59	32.300	132	57.34	64.500	257	80.09	32.300	382	102.84	32.300
8	34.77	32.300	133	57.52	64.500	258	80.27	32.300	383	103.02	32.300
9	34.96	32.300	134	57.71	64.500	259	80.46	32.300	384	103.21	32.300
10	35.14	32.300	135	57.89	64.500	260	80.64	32.300	385	103.39	32.300
11	35.32	32.300	136	58.07	64.500	261	80.82	32.300	386	103.57	32.300
12	35.50	32.300	137	58.25	64.500	262	81.00	32.300	387	103.75	32.300
13	35.68	32.300	138	58.43	64.500	263	81.18	32.300	388	103.93	32.300

14	35.87	32.300	139	58.62	64.500	264	81.37	32.300	389	104.12	32.300
15	36.05	32.300	140	58.80	64.500	265	81.55	32.300	390	104.30	32.300
16	36.23	32.300	141	58.98	64.500	266	81.73	32.300	391	104.48	32.300
17	36.41	32.300	142	59.16	64.500	267	81.91	32.300	392	104.66	32.300
18	36.59	32.300	143	59.34	64.500	268	82.09	32.300	393	104.84	32.300
19	36.78	32.300	144	59.53	64.500	269	82.28	32.300	394	105.03	32.300
20	36.96	32.300	145	59.71	64.500	270	82.46	32.300	395	105.21	32.300
21	37.14	32.300	146	59.89	64.500	271	82.64	32.300	396	105.39	32.300
22	37.32	32.300	147	60.07	64.500	272	82.82	32.300	397	105.57	32.300
23	37.50	32.300	148	60.25	64.500	273	83.00	32.300	398	105.75	32.300
24	37.69	32.300	149	60.44	64.500	274	83.19	32.300	399	105.94	32.300
25	37.87	32.300	150	60.62	64.500	275	83.37	32.300	400	106.12	32.300
26	38.05	32.300	151	60.80	64.500	276	83.55	32.300	401	106.30	32.300
27	38.23	32.300	152	60.98	64.500	277	83.73	32.300	402	106.48	32.300
28	38.41	32.300	153	61.16	64.500	278	83.91	32.300	403	106.66	32.300
29	38.60	32.300	154	61.35	64.500	279	84.10	32.300	404	106.85	32.300
30	38.78	32.300	155	61.53	64.500	280	84.28	32.300	405	107.03	32.300
31	38.96	32.300	156	61.71	64.500	281	84.46	32.300	406	107.21	32.300
32	39.14	32.300	157	61.89	64.500	282	84.64	32.300	407	107.39	32.300
33	39.32	32.300	158	62.07	64.500	283	84.82	32.300	408	107.57	32.300
34	39.51	32.300	159	62.26	64.500	284	85.01	32.300	409	107.76	32.300
35	39.69	32.300	160	62.44	64.500	285	85.19	32.300	410	107.94	32.300
36	39.87	32.300	161	62.62	64.500	286	85.37	32.300	411	108.12	32.300
37	40.05	32.300	162	62.80	64.500	287	85.55	32.300	412	108.30	32.300
38	40.23	32.300	163	62.98	64.500	288	85.73	32.300	413	108.48	32.300
39	40.42	32.300	164	63.17	64.500	289	85.92	32.300	414	108.67	32.300
40	40.60	32.300	165	63.35	64.500	290	86.10	32.300	415	108.85	32.300
41	40.78	32.300	166	63.53	64.500	291	86.28	32.300	416	109.03	32.300
42	40.96	32.300	167	63.71	64.500	292	86.46	32.300	417	109.21	32.300
43	41.14	32.300	168	63.89	64.500	293	86.64	32.300	418	109.39	32.300
44	41.33	32.300	169	64.08	64.500	294	86.83	32.300	419	109.58	32.300
45	41.51	32.300	170	64.26	64.500	295	87.01	32.300	420	109.76	32.300
46	41.69	32.300	171	64.44	64.500	296	87.19	32.300	421	109.94	32.300
47	41.87	32.300	172	64.62	64.500	297	87.37	32.300	422	110.12	32.300
48	42.05	32.300	173	64.80	64.500	298	87.55	32.300	423	110.30	32.300
49	42.24	32.300	174	64.99	64.500	299	87.74	32.300	424	110.49	32.300
50	42.42	32.300	175	65.17	64.500	300	87.92	32.300	425	110.67	32.300
51	42.60	32.300	176	65.35	64.500	301	88.10	32.300	426	110.85	32.300
52	42.78	32.300	177	65.53	64.500	302	88.28	32.300	427	111.03	32.300
53	42.96	32.300	178	65.71	64.500	303	88.46	32.300	428	111.21	32.300
54	43.15	32.300	179	65.90	64.500	304	88.65	32.300	429	111.40	32.300
55	43.33	32.300	180	66.08	64.500	305	88.83	32.300	430	111.58	32.300
56	43.51	32.300	181	66.26	64.500	306	89.01	32.300	431	111.76	32.300
57	43.69	32.300	182	66.44	64.500	307	89.19	32.300	432	111.94	32.300
58	43.87	32.300	183	66.62	64.500	308	89.37	32.300	433	112.12	32.300
59	44.06	32.300	184	66.81	64.500	309	89.56	32.300	434	112.31	32.300
60	44.24	32.300	185	66.99	64.500	310	89.74	32.300	435	112.49	32.300
61	44.42	32.300	186	67.17	64.500	311	89.92	32.300	436	112.67	32.300
62	44.60	35.583	187	67.35	64.500	312	90.10	32.300	437	112.85	32.300
63	44.78	41.443	188	67.53	64.500	313	90.28	32.300	438	113.03	32.300
64	44.97	47.304	189	67.72	64.500	314	90.47	32.300	439	113.22	32.300
65	45.15	53.164	190	67.90	64.500	315	90.65	32.300	440	113.40	32.300

66	45.33	59.024	191	68.08	64.500	316	90.83	32.300	441	113.58	32.300
67	45.51	64.500	192	68.26	64.500	317	91.01	32.300	442	113.76	32.300
68	45.69	64.500	193	68.44	64.500	318	91.19	32.300	443	113.94	32.300
69	45.88	64.500	194	68.63	64.500	319	91.38	32.300	444	114.13	32.300
70	46.06	64.500	195	68.81	64.500	320	91.56	32.300	445	114.31	32.300
71	46.24	64.500	196	68.99	64.500	321	91.74	32.300	446	114.49	32.300
72	46.42	64.500	197	69.17	64.500	322	91.92	32.300	447	114.67	32.300
73	46.60	64.500	198	69.35	64.500	323	92.10	32.300	448	114.85	32.300
74	46.79	64.500	199	69.54	64.500	324	92.29	32.300	449	115.04	32.300
75	46.97	64.500	200	69.72	64.500	325	92.47	32.300	450	115.22	32.300
76	47.15	64.500	201	69.90	64.500	326	92.65	32.300	451	115.40	32.300
77	47.33	64.500	202	70.08	64.500	327	92.83	32.300	452	115.58	32.300
78	47.51	64.500	203	70.26	64.500	328	93.01	32.300	453	115.76	32.300
79	47.70	64.500	204	70.45	64.500	329	93.20	32.300	454	115.95	32.300
80	47.88	64.500	205	70.63	60.384	330	93.38	32.300	455	116.13	32.300
81	48.06	64.500	206	70.81	54.523	331	93.56	32.300	456	116.31	32.300
82	48.24	64.500	207	70.99	48.663	332	93.74	32.300	457	116.49	32.300
83	48.42	64.500	208	71.17	42.802	333	93.92	32.300	458	116.67	32.300
84	48.61	64.500	209	71.36	36.942	334	94.11	32.300	459	116.86	32.300
85	48.79	64.500	210	71.54	32.300	335	94.29	32.300	460	117.04	32.300
86	48.97	64.500	211	71.72	32.300	336	94.47	32.300	461	117.22	32.300
87	49.15	64.500	212	71.90	32.300	337	94.65	32.300	462	117.40	32.300
88	49.33	64.500	213	72.08	32.300	338	94.83	32.300	463	117.58	32.300
89	49.52	64.500	214	72.27	32.300	339	95.02	32.300	464	117.77	32.300
90	49.70	64.500	215	72.45	32.300	340	95.20	32.300	465	117.95	32.300
91	49.88	64.500	216	72.63	32.300	341	95.38	32.300	466	118.13	32.300
92	50.06	64.500	217	72.81	32.300	342	95.56	32.300	467	118.31	32.300
93	50.24	64.500	218	72.99	32.300	343	95.74	32.300	468	118.49	32.300
94	50.43	64.500	219	73.18	32.300	344	95.93	32.300	469	118.68	32.300
95	50.61	64.500	220	73.36	32.300	345	96.11	32.300	470	118.86	32.300
96	50.79	64.500	221	73.54	32.300	346	96.29	32.300	471	119.04	32.300
97	50.97	64.500	222	73.72	32.300	347	96.47	32.300	472	119.22	32.300
98	51.15	64.500	223	73.90	32.300	348	96.65	32.300	473	119.40	32.300
99	51.34	64.500	224	74.09	32.300	349	96.84	32.300	474	119.59	32.300
100	51.52	64.500	225	74.27	32.300	350	97.02	32.300	475	119.77	32.300
101	51.70	64.500	226	74.45	32.300	351	97.20	32.300	476	119.95	32.300
102	51.88	64.500	227	74.63	32.300	352	97.38	32.300	477	120.13	32.300
103	52.06	64.500	228	74.81	32.300	353	97.56	32.300	478	120.31	32.300
104	52.25	64.500	229	75.00	32.300	354	97.75	32.300	479	120.50	32.300
105	52.43	64.500	230	75.18	32.300	355	97.93	32.300	480	120.68	32.300
106	52.61	64.500	231	75.36	32.300	356	98.11	32.300	481	120.86	32.300
107	52.79	64.500	232	75.54	32.300	357	98.29	32.300	482	121.04	32.300
108	52.97	64.500	233	75.72	32.300	358	98.47	32.300	483	121.22	32.300
109	53.16	64.500	234	75.91	32.300	359	98.66	32.300	484	121.41	32.300
110	53.34	64.500	235	76.09	32.300	360	98.84	32.300	485	121.59	32.300
111	53.52	64.500	236	76.27	32.300	361	99.02	32.300	486	121.77	32.300
112	53.70	64.500	237	76.45	32.300	362	99.20	32.300	487	121.95	32.300
113	53.88	64.500	238	76.63	32.300	363	99.38	32.300	488	122.13	32.300
114	54.07	64.500	239	76.82	32.300	364	99.57	32.300	489	122.32	32.300
115	54.25	64.500	240	77.00	32.300	365	99.75	32.300	490	122.50	32.300
116	54.43	64.500	241	77.18	32.300	366	99.93	32.300	491	122.68	32.300
117	54.61	64.500	242	77.36	32.300	367	100.11	32.300	492	122.86	32.300

118	54.79	64.500	243	77.54	32.300	368	100.29	32.300	493	123.04	32.300
119	54.98	64.500	244	77.73	32.300	369	100.48	32.300	494	123.23	32.300
120	55.16	64.500	245	77.91	32.300	370	100.66	32.300	495	123.41	32.300
121	55.34	64.500	246	78.09	32.300	371	100.84	32.300	496	123.59	32.300
122	55.52	64.500	247	78.27	32.300	372	101.02	32.300	497	123.77	32.300
123	55.70	64.500	248	78.45	32.300	373	101.20	32.300	498	123.95	32.300
124	55.89	64.500	249	78.64	32.300	374	101.39	32.300	499	124.14	32.300
125	56.07	64.500	250	78.82	32.300	375	101.57	32.300	500	124.32	32.300

0********** CBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********

ALL VALUES = .189

0********** CBOD SEDIMENTATION RATES - (1/DAY)
****

ALL VALUES = 0.000E+00

0********** NBOD DEOXYGENATION RATES CORRECTED TO STREAM TEMPS - (1/DAY) **********

ALL VALUES = .069

0********** NBOD SEDIMENTATION RATES -
(1/DAY),5X**********

ALL VALUES = 0.000E+00

0********** NONPOINT SOURCE FLOW (CFS/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** NBOD NONPOINT SOURCE CONTRIBUTION (LBS NBOD/DAY/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** CBOD NONPOINT SOURCE CONTRIBUTION (LBS CBOD/DAY/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** O2 NONPOINT SOURCE CONTRIBUTIONS (LBS O2/DAY/MILE OF STREAM) **********

ALL VALUES = 0.000E+00

0********** AVERAGE DAILY PHOTOSYNTHESIS-RESPIRATION RATE (GM O2/SQM/DAY) CORRECTED TO STREAM TEMPERATURES *****

ALL VALUES = 0.000E+00

1**********
****
********** DEPTH OR VELOCITY DEPENDENT VARIABLES **********
****
****

0********** CROSSECTIONAL AREAS OF JUNCT*NS (SQFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1130.000	127	56.34	1064.087	252	79.09	887.211	377	101.84	576.593
2	33.59	1125.450	128	56.52	1071.261	253	79.27	883.929	378	102.02	573.799
3	33.77	1116.350	129	56.70	1079.954	254	79.45	880.653	379	102.20	571.011
4	33.95	1107.250	130	56.89	1088.678	255	79.64	877.382	380	102.39	568.229
5	34.14	1098.150	131	57.07	1097.433	256	79.82	874.116	381	102.57	566.198
6	34.32	1089.050	132	57.25	1106.221	257	80.00	870.856	382	102.75	565.397
7	34.50	1079.970	133	57.43	1115.040	258	80.18	867.601	383	102.93	564.596
8	34.68	1074.510	134	57.61	1122.677	259	80.36	864.351	384	103.11	563.795
9	34.86	1069.050	135	57.80	1129.628	260	80.55	860.571	385	103.30	562.995
10	35.05	1063.590	136	57.98	1136.600	261	80.73	855.255	386	103.48	562.194
11	35.23	1058.130	137	58.16	1143.593	262	80.91	849.948	387	103.66	563.210
12	35.41	1052.670	138	58.34	1150.608	263	81.09	844.650	388	103.84	564.464
13	35.59	1050.000	139	58.52	1157.643	264	81.27	839.361	389	104.02	565.714
14	35.77	1050.000	140	58.71	1164.700	265	81.46	834.082	390	104.21	566.960
15	35.96	1050.000	141	58.89	1171.778	266	81.64	830.390	391	104.39	568.202
16	36.14	1050.000	142	59.07	1178.878	267	81.82	827.195	392	104.57	569.480

17	36.32	1050.000	143	59.25	1185.998	268	82.00	824.006	393	104.75	570.817
18	36.50	1050.090	144	59.43	1193.140	269	82.18	820.822	394	104.93	572.150
19	36.68	1055.550	145	59.62	1200.303	270	82.37	817.643	395	105.12	573.480
20	36.87	1061.010	146	59.80	1207.487	271	82.55	814.470	396	105.30	574.806
21	37.05	1066.470	147	59.98	1214.692	272	82.73	811.302	397	105.48	576.130
22	37.23	1071.930	148	60.16	1221.918	273	82.91	808.139	398	105.66	579.466
23	37.41	1077.390	149	60.34	1229.166	274	83.09	804.981	399	105.84	583.041
24	37.59	1086.649	150	60.53	1236.732	275	83.28	801.829	400	106.03	586.614
25	37.78	1099.389	151	60.71	1246.036	276	83.46	798.682	401	106.21	590.186
26	37.96	1112.129	152	60.89	1255.372	277	83.64	793.865	402	106.39	593.756
27	38.14	1124.869	153	61.07	1264.740	278	83.82	788.568	403	106.57	597.235
28	38.32	1137.609	154	61.25	1274.140	279	84.00	783.281	404	106.75	600.585
29	38.50	1150.149	155	61.44	1283.572	280	84.19	778.005	405	106.94	603.944
30	38.69	1155.609	156	61.62	1283.980	281	84.37	772.740	406	107.12	607.313
31	38.87	1161.069	157	61.80	1279.546	282	84.55	768.085	407	107.30	610.690
32	39.05	1166.529	158	61.98	1275.064	283	84.73	764.990	408	107.48	614.077
33	39.23	1171.989	159	62.16	1270.535	284	84.91	761.900	409	107.66	617.473
34	39.41	1177.449	160	62.35	1265.958	285	85.10	758.815	410	107.85	620.879
35	39.60	1180.000	161	62.53	1261.397	286	85.28	755.736	411	108.03	624.294
36	39.78	1180.000	162	62.71	1257.125	287	85.46	752.662	412	108.21	627.718
37	39.96	1180.000	163	62.89	1252.800	288	85.64	749.684	413	108.39	631.151
38	40.14	1180.000	164	63.07	1248.423	289	85.82	746.736	414	108.57	634.594
39	40.32	1180.000	165	63.26	1243.992	290	86.01	743.793	415	108.76	638.046
40	40.51	1179.791	166	63.44	1239.508	291	86.19	740.854	416	108.94	641.507
41	40.69	1174.331	167	63.62	1233.441	292	86.37	737.920	417	109.12	644.977
42	40.87	1168.871	168	63.80	1226.539	293	86.55	734.925	418	109.30	648.457
43	41.05	1163.411	169	63.98	1219.574	294	86.73	731.772	419	109.48	651.946
44	41.23	1157.951	170	64.17	1212.547	295	86.92	728.625	420	109.67	651.929
45	41.42	1152.491	171	64.35	1205.456	296	87.10	725.484	421	109.85	651.581
46	41.60	1157.917	172	64.53	1198.665	297	87.28	722.349	422	110.03	651.224
47	41.78	1172.477	173	64.71	1193.598	298	87.46	719.219	423	110.21	650.858
48	41.96	1187.037	174	64.89	1188.479	299	87.64	716.186	424	110.39	650.482
49	42.14	1201.597	175	65.08	1183.311	300	87.83	713.181	425	110.58	648.460
50	42.33	1216.157	176	65.26	1178.092	301	88.01	710.181	426	110.76	644.169
51	42.51	1229.373	177	65.44	1172.823	302	88.19	707.186	427	110.94	639.849
52	42.69	1216.633	178	65.62	1166.032	303	88.37	704.197	428	111.12	635.502
53	42.87	1203.893	179	65.80	1158.473	304	88.55	701.179	429	111.30	631.127
54	43.05	1191.153	180	65.99	1150.850	305	88.74	698.090	430	111.49	626.724
55	43.24	1178.413	181	66.17	1143.165	306	88.92	695.007	431	111.67	622.293
56	43.42	1165.673	182	66.35	1135.416	307	89.10	691.930	432	111.85	617.834
57	43.60	1153.943	183	66.53	1128.004	308	89.28	688.858	433	112.03	613.348
58	43.78	1143.023	184	66.71	1122.348	309	89.46	685.793	434	112.21	608.834
59	43.96	1132.103	185	66.90	1116.641	310	89.65	682.733	435	112.40	604.291
60	44.15	1121.183	186	67.08	1110.884	311	89.83	679.680	436	112.58	598.860
61	44.33	1110.263	187	67.26	1105.077	312	90.01	676.633	437	112.76	592.263
62	44.51	1099.343	188	67.44	1099.219	313	90.19	673.591	438	112.94	585.628
63	44.69	1088.423	189	67.62	1091.769	314	90.37	670.555	439	113.12	578.956
64	44.87	1077.503	190	67.81	1083.552	315	90.56	668.169	440	113.31	572.248
65	45.06	1066.583	191	67.99	1075.272	316	90.74	667.202	441	113.49	565.502
66	45.24	1055.663	192	68.17	1066.928	317	90.92	666.236	442	113.67	568.193
67	45.42	1044.743	193	68.35	1058.522	318	91.10	665.269	443	113.85	571.523
68	45.60	1034.853	194	68.53	1051.100	319	91.28	664.303	444	114.03	574.861

69	45.78	1025.753	195	68.72	1048.062	320	91.47	663.337	445	114.22	578.209
70	45.97	1016.653	196	68.90	1045.011	321	91.65	660.788	446	114.40	581.566
71	46.15	1007.553	197	69.08	1041.947	322	91.83	657.890	447	114.58	585.839
72	46.33	998.453	198	69.26	1038.870	323	92.01	654.998	448	114.76	591.265
73	46.51	991.553	199	69.44	1035.779	324	92.19	652.110	449	114.94	596.710
74	46.69	1013.393	200	69.63	1034.840	325	92.38	649.229	450	115.13	602.174
75	46.88	1035.233	201	69.81	1034.840	326	92.56	646.973	451	115.31	607.656
76	47.06	1057.073	202	69.99	1034.840	327	92.74	646.023	452	115.49	613.157
77	47.24	1078.913	203	70.17	1034.840	328	92.92	645.073	453	115.67	620.641
78	47.42	1100.753	204	70.35	1034.840	329	93.10	644.123	454	115.85	628.260
79	47.60	1123.642	205	70.54	1032.549	330	93.29	643.173	455	116.04	635.907
80	47.79	1147.302	206	70.72	1021.143	331	93.47	642.223	456	116.22	643.581
81	47.97	1170.962	207	70.90	1009.588	332	93.65	641.361	457	116.40	651.283
82	48.15	1194.622	208	71.08	997.885	333	93.83	640.516	458	116.58	659.013
83	48.33	1218.281	209	71.26	986.033	334	94.01	639.672	459	116.76	666.771
84	48.51	1239.552	210	71.45	974.033	335	94.20	638.827	460	116.95	674.557
85	48.70	1234.092	211	71.63	976.585	336	94.38	637.983	461	117.13	682.371
86	48.88	1228.632	212	71.81	985.167	337	94.56	636.436	462	117.31	690.212
87	49.06	1223.172	213	71.99	993.733	338	94.74	633.491	463	117.49	698.081
88	49.24	1217.712	214	72.17	1002.283	339	94.92	630.551	464	117.67	705.978
89	49.42	1212.252	215	72.36	1010.818	340	95.11	627.618	465	117.86	713.903
90	49.61	1182.198	216	72.54	1020.244	341	95.29	624.691	466	118.04	721.856
91	49.79	1134.878	217	72.72	1032.990	342	95.47	621.769	467	118.22	729.836
92	49.97	1087.559	218	72.90	1045.699	343	95.65	620.604	468	118.40	737.844
93	50.15	1040.239	219	73.08	1058.373	344	95.83	619.774	469	118.58	745.934
94	50.33	992.919	220	73.27	1071.011	345	96.02	618.944	470	118.77	754.114
95	50.52	949.831	221	73.45	1083.613	346	96.20	618.114	471	118.95	762.325
96	50.70	948.011	222	73.63	1091.164	347	96.38	617.284	472	119.13	770.565
97	50.88	946.191	223	73.81	1096.734	348	96.56	616.418	473	119.31	778.835
98	51.06	944.371	224	73.99	1102.285	349	96.74	615.484	474	119.49	787.135
99	51.24	942.551	225	74.18	1107.818	350	96.93	614.551	475	119.68	795.347
100	51.43	940.731	226	74.36	1113.334	351	97.11	613.617	476	119.86	803.583
101	51.61	956.338	227	74.54	1114.613	352	97.29	612.684	477	120.04	811.847
102	51.79	983.638	228	74.72	1101.321	353	97.47	611.750	478	120.22	820.139
103	51.97	1010.938	229	74.90	1088.065	354	97.65	610.904	479	120.40	828.459
104	52.15	1038.238	230	75.09	1074.846	355	97.84	610.075	480	120.59	835.760
105	52.34	1065.538	231	75.27	1061.663	356	98.02	609.245	481	120.77	841.930
106	52.52	1087.919	232	75.45	1048.516	357	98.20	608.415	482	120.95	848.118
107	52.70	1067.899	233	75.63	1035.406	358	98.38	607.585	483	121.13	854.325
108	52.88	1047.879	234	75.81	1022.332	359	98.56	606.029	484	121.31	860.550
109	53.06	1027.859	235	76.00	1009.295	360	98.75	603.162	485	121.50	866.794
110	53.25	1007.839	236	76.18	996.294	361	98.93	600.301	486	121.68	875.242
111	53.43	987.820	237	76.36	983.330	362	99.11	597.446	487	121.86	883.759
112	53.61	981.762	238	76.54	971.504	363	99.29	594.597	488	122.04	892.303
113	53.79	984.657	239	76.72	963.285	364	99.47	591.754	489	122.22	900.876
114	53.97	987.555	240	76.91	955.085	365	99.66	590.658	490	122.41	909.476
115	54.16	990.458	241	77.09	946.906	366	99.84	589.843	491	122.59	918.105
116	54.34	993.364	242	77.27	938.747	367	100.02	589.027	492	122.77	926.761
117	54.52	996.692	243	77.45	930.607	368	100.20	588.212	493	122.95	935.444
118	54.70	1003.250	244	77.63	924.356	369	100.38	587.396	494	123.13	944.156
119	54.88	1009.829	245	77.82	918.771	370	100.57	586.544	495	123.32	952.896
120	55.07	1016.429	246	78.00	913.196	371	100.75	585.627	496	123.50	961.663

121	55.25	1023.050	247	78.18	907.633	372	100.93	584.709	497	123.68	970.458
122	55.43	1029.693	248	78.36	902.079	373	101.11	583.792	498	123.86	979.281
123	55.61	1036.471	249	78.54	897.087	374	101.29	582.875	499	124.04	988.132
124	55.79	1043.341	250	78.73	893.790	375	101.48	581.957	500	124.23	997.011
125	55.98	1050.234	251	78.91	890.498	376	101.66	579.393	501	124.41	1005.917
126	56.16	1057.149									

0********** JUNCT*N DEPTHS (FT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	11.300	127	56.34	10.268	252	79.09	7.241	377	101.84	5.566
2	33.59	11.255	128	56.52	10.307	253	79.27	7.223	378	102.02	5.548
3	33.77	11.164	129	56.70	10.361	254	79.45	7.205	379	102.20	5.530
4	33.95	11.073	130	56.89	10.416	255	79.64	7.186	380	102.39	5.511
5	34.14	10.982	131	57.07	10.471	256	79.82	7.168	381	102.57	5.500
6	34.32	10.891	132	57.25	10.525	257	80.00	7.150	382	102.75	5.500
7	34.50	10.800	133	57.43	10.580	258	80.18	7.132	383	102.93	5.500
8	34.68	10.745	134	57.61	10.623	259	80.36	7.114	384	103.11	5.500
9	34.86	10.691	135	57.80	10.659	260	80.55	7.091	385	103.30	5.500
10	35.05	10.636	136	57.98	10.696	261	80.73	7.054	386	103.48	5.500
11	35.23	10.581	137	58.16	10.732	262	80.91	7.018	387	103.66	5.516
12	35.41	10.527	138	58.34	10.769	263	81.09	6.981	388	103.84	5.534
13	35.59	10.500	139	58.52	10.805	264	81.27	6.945	389	104.02	5.552
14	35.77	10.500	140	58.71	10.841	265	81.46	6.909	390	104.21	5.571
15	35.96	10.500	141	58.89	10.878	266	81.64	6.886	391	104.39	5.589
16	36.14	10.500	142	59.07	10.914	267	81.82	6.868	392	104.57	5.607
17	36.32	10.500	143	59.25	10.951	268	82.00	6.850	393	104.75	5.625
18	36.50	10.501	144	59.43	10.987	269	82.18	6.832	394	104.93	5.643
19	36.68	10.555	145	59.62	11.023	270	82.37	6.813	395	105.12	5.662
20	36.87	10.610	146	59.80	11.060	271	82.55	6.795	396	105.30	5.680
21	37.05	10.665	147	59.98	11.096	272	82.73	6.777	397	105.48	5.698
22	37.23	10.719	148	60.16	11.133	273	82.91	6.759	398	105.66	5.733
23	37.41	10.774	149	60.34	11.169	274	83.09	6.741	399	105.84	5.769
24	37.59	10.866	150	60.53	11.208	275	83.28	6.722	400	106.03	5.805
25	37.78	10.994	151	60.71	11.263	276	83.46	6.704	401	106.21	5.842
26	37.96	11.121	152	60.89	11.317	277	83.64	6.672	402	106.39	5.878
27	38.14	11.249	153	61.07	11.372	278	83.82	6.635	403	106.57	5.907
28	38.32	11.376	154	61.25	11.426	279	84.00	6.599	404	106.75	5.925
29	38.50	11.501	155	61.44	11.481	280	84.19	6.563	405	106.94	5.944
30	38.69	11.556	156	61.62	11.452	281	84.37	6.526	406	107.12	5.962
31	38.87	11.611	157	61.80	11.380	282	84.55	6.495	407	107.30	5.980
32	39.05	11.665	158	61.98	11.307	283	84.73	6.477	408	107.48	5.998
33	39.23	11.720	159	62.16	11.234	284	84.91	6.459	409	107.66	6.016
34	39.41	11.774	160	62.35	11.161	285	85.10	6.440	410	107.85	6.035
35	39.60	11.800	161	62.53	11.088	286	85.28	6.422	411	108.03	6.053
36	39.78	11.800	162	62.71	11.016	287	85.46	6.404	412	108.21	6.071
37	39.96	11.800	163	62.89	10.943	288	85.64	6.386	413	108.39	6.089
38	40.14	11.800	164	63.07	10.870	289	85.82	6.368	414	108.57	6.107
39	40.32	11.800	165	63.26	10.797	290	86.01	6.349	415	108.76	6.126
40	40.51	11.798	166	63.44	10.724	291	86.19	6.331	416	108.94	6.144
41	40.69	11.743	167	63.62	10.640	292	86.37	6.313	417	109.12	6.162
42	40.87	11.689	168	63.80	10.549	293	86.55	6.295	418	109.30	6.180
43	41.05	11.634	169	63.98	10.458	294	86.73	6.277	419	109.48	6.198

44	41.23	11.580	170	64.17	10.367	295	86.92	6.258	420	109.67	6.183
45	41.42	11.525	171	64.35	10.276	296	87.10	6.240	421	109.85	6.165
46	41.60	11.579	172	64.53	10.188	297	87.28	6.222	422	110.03	6.147
47	41.78	11.725	173	64.71	10.115	298	87.46	6.204	423	110.21	6.129
48	41.96	11.870	174	64.89	10.042	299	87.64	6.186	424	110.39	6.111
49	42.14	12.016	175	65.08	9.969	300	87.83	6.167	425	110.58	6.077
50	42.33	12.162	176	65.26	9.896	301	88.01	6.149	426	110.76	6.022
51	42.51	12.294	177	65.44	9.824	302	88.19	6.131	427	110.94	5.968
52	42.69	12.166	178	65.62	9.739	303	88.37	6.113	428	111.12	5.913
53	42.87	12.039	179	65.80	9.648	304	88.55	6.095	429	111.30	5.859
54	43.05	11.912	180	65.99	9.557	305	88.74	6.076	430	111.49	5.804
55	43.24	11.784	181	66.17	9.466	306	88.92	6.058	431	111.67	5.749
56	43.42	11.657	182	66.35	9.375	307	89.10	6.040	432	111.85	5.695
57	43.60	11.539	183	66.53	9.287	308	89.28	6.022	433	112.03	5.640
58	43.78	11.430	184	66.71	9.214	309	89.46	6.004	434	112.21	5.586
59	43.96	11.321	185	66.90	9.141	310	89.65	5.985	435	112.40	5.531
60	44.15	11.212	186	67.08	9.068	311	89.83	5.967	436	112.58	5.469
61	44.33	11.103	187	67.26	8.996	312	90.01	5.949	437	112.76	5.396
62	44.51	10.993	188	67.44	8.923	313	90.19	5.931	438	112.94	5.323
63	44.69	10.884	189	67.62	8.838	314	90.37	5.913	439	113.12	5.250
64	44.87	10.775	190	67.81	8.747	315	90.56	5.900	440	113.31	5.177
65	45.06	10.666	191	67.99	8.656	316	90.74	5.900	441	113.49	5.105
66	45.24	10.557	192	68.17	8.565	317	90.92	5.900	442	113.67	5.117
67	45.42	10.447	193	68.35	8.474	318	91.10	5.900	443	113.85	5.135
68	45.60	10.349	194	68.53	8.393	319	91.28	5.900	444	114.03	5.153
69	45.78	10.258	195	68.72	8.357	320	91.47	5.900	445	114.22	5.172
70	45.97	10.167	196	68.90	8.320	321	91.65	5.885	446	114.40	5.190
71	46.15	10.076	197	69.08	8.284	322	91.83	5.867	447	114.58	5.216
72	46.33	9.985	198	69.26	8.247	323	92.01	5.849	448	114.76	5.253
73	46.51	9.916	199	69.44	8.211	324	92.19	5.831	449	114.94	5.289
74	46.69	10.134	200	69.63	8.200	325	92.38	5.812	450	115.13	5.325
75	46.88	10.352	201	69.81	8.200	326	92.56	5.800	451	115.31	5.362
76	47.06	10.571	202	69.99	8.200	327	92.74	5.800	452	115.49	5.398
77	47.24	10.789	203	70.17	8.200	328	92.92	5.800	453	115.67	5.452
78	47.42	11.008	204	70.35	8.200	329	93.10	5.800	454	115.85	5.506
79	47.60	11.236	205	70.54	8.174	330	93.29	5.800	455	116.04	5.561
80	47.79	11.473	206	70.72	8.047	331	93.47	5.800	456	116.22	5.616
81	47.97	11.710	207	70.90	7.919	332	93.65	5.800	457	116.40	5.670
82	48.15	11.946	208	71.08	7.792	333	93.83	5.800	458	116.58	5.725
83	48.33	12.183	209	71.26	7.665	334	94.01	5.800	459	116.76	5.779
84	48.51	12.396	210	71.45	7.537	335	94.20	5.800	460	116.95	5.834
85	48.70	12.341	211	71.63	7.552	336	94.38	5.800	461	117.13	5.889
86	48.88	12.286	212	71.81	7.624	337	94.56	5.794	462	117.31	5.943
87	49.06	12.232	213	71.99	7.697	338	94.74	5.776	463	117.49	5.998
88	49.24	12.177	214	72.17	7.770	339	94.92	5.758	464	117.67	6.052
89	49.42	12.123	215	72.36	7.843	340	95.11	5.739	465	117.86	6.107
90	49.61	11.822	216	72.54	7.923	341	95.29	5.721	466	118.04	6.162
91	49.79	11.349	217	72.72	8.032	342	95.47	5.703	467	118.22	6.216
92	49.97	10.876	218	72.90	8.142	343	95.65	5.700	468	118.40	6.271
93	50.15	10.402	219	73.08	8.251	344	95.83	5.700	469	118.58	6.325
94	50.33	9.929	220	73.27	8.360	345	96.02	5.700	470	118.77	6.380
95	50.52	9.498	221	73.45	8.469	346	96.20	5.700	471	118.95	6.435

96	50.70	9.480	222	73.63	8.539	347	96.38	5.700	472	119.13	6.489
97	50.88	9.462	223	73.81	8.594	348	96.56	5.700	473	119.31	6.544
98	51.06	9.444	224	73.99	8.648	349	96.74	5.700	474	119.49	6.598
99	51.24	9.426	225	74.18	8.703	350	96.93	5.700	475	119.68	6.653
100	51.43	9.407	226	74.36	8.758	351	97.11	5.700	476	119.86	6.708
101	51.61	9.563	227	74.54	8.780	352	97.29	5.700	477	120.04	6.762
102	51.79	9.836	228	74.72	8.689	353	97.47	5.700	478	120.22	6.817
103	51.97	10.109	229	74.90	8.598	354	97.65	5.700	479	120.40	6.871
104	52.15	10.382	230	75.09	8.507	355	97.84	5.700	480	120.59	6.917
105	52.34	10.655	231	75.27	8.416	356	98.02	5.700	481	120.77	6.954
106	52.52	10.879	232	75.45	8.325	357	98.20	5.700	482	120.95	6.990
107	52.70	10.679	233	75.63	8.234	358	98.38	5.700	483	121.13	7.027
108	52.88	10.479	234	75.81	8.143	359	98.56	5.694	484	121.31	7.063
109	53.06	10.279	235	76.00	8.052	360	98.75	5.675	485	121.50	7.099
110	53.25	10.078	236	76.18	7.961	361	98.93	5.657	486	121.68	7.154
111	53.43	9.878	237	76.36	7.870	362	99.11	5.639	487	121.86	7.208
112	53.61	9.811	238	76.54	7.787	363	99.29	5.621	488	122.04	7.263
113	53.79	9.829	239	76.72	7.733	364	99.47	5.603	489	122.22	7.317
114	53.97	9.847	240	76.91	7.678	365	99.66	5.600	490	122.41	7.372
115	54.16	9.866	241	77.09	7.623	366	99.84	5.600	491	122.59	7.427
116	54.34	9.884	242	77.27	7.569	367	100.02	5.600	492	122.77	7.481
117	54.52	9.904	243	77.45	7.514	368	100.20	5.600	493	122.95	7.536
118	54.70	9.941	244	77.63	7.473	369	100.38	5.600	494	123.13	7.590
119	54.88	9.977	245	77.82	7.437	370	100.57	5.600	495	123.32	7.645
120	55.07	10.013	246	78.00	7.400	371	100.75	5.600	496	123.50	7.700
121	55.25	10.050	247	78.18	7.364	372	100.93	5.600	497	123.68	7.754
122	55.43	10.086	248	78.36	7.327	373	101.11	5.600	498	123.86	7.809
123	55.61	10.123	249	78.54	7.296	374	101.29	5.600	499	124.04	7.863
124	55.79	10.159	250	78.73	7.277	375	101.48	5.600	500	124.23	7.918
125	55.98	10.195	251	78.91	7.259	376	101.66	5.584	501	124.41	7.973
126	56.16	10.232									

0********** JUNCT*N VELOCITIES (FT/SEC) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.283	127	56.34	.297	252	79.09	.342	377	101.84	.774
2	33.59	.283	128	56.52	.295	253	79.27	.343	378	102.02	.777
3	33.77	.286	129	56.70	.292	254	79.45	.345	379	102.20	.781
4	33.95	.288	130	56.89	.290	255	79.64	.346	380	102.39	.785
5	34.14	.290	131	57.07	.288	256	79.82	.347	381	102.57	.788
6	34.32	.293	132	57.25	.285	257	80.00	.349	382	102.75	.789
7	34.50	.295	133	57.43	.283	258	80.18	.350	383	102.93	.790
8	34.68	.297	134	57.61	.281	259	80.36	.351	384	103.11	.791
9	34.86	.298	135	57.80	.276	260	80.55	.353	385	103.30	.792
10	35.05	.300	136	57.98	.274	261	80.73	.355	386	103.48	.794
11	35.23	.301	137	58.16	.273	262	80.91	.357	387	103.66	.792
12	35.41	.303	138	58.34	.271	263	81.09	.359	388	103.84	.790
13	35.59	.304	139	58.52	.269	264	81.27	.362	389	104.02	.789
14	35.77	.304	140	58.71	.268	265	81.46	.364	390	104.21	.787
15	35.96	.304	141	58.89	.266	266	81.64	.366	391	104.39	.785
16	36.14	.304	142	59.07	.265	267	81.82	.367	392	104.57	.783
17	36.32	.304	143	59.25	.263	268	82.00	.368	393	104.75	.782
18	36.50	.304	144	59.43	.261	269	82.18	.370	394	104.93	.780

19	36.68	.302	145	59.62	.260	270	82.37	.371	395	105.12	.778
20	36.87	.301	146	59.80	.258	271	82.55	.373	396	105.30	.776
21	37.05	.299	147	59.98	.257	272	82.73	.374	397	105.48	1.102
22	37.23	.298	148	60.16	.255	273	82.91	.376	398	105.66	1.096
23	37.41	.296	149	60.34	.254	274	83.09	.377	399	105.84	1.089
24	37.59	.294	150	60.53	.252	275	83.28	.379	400	106.03	1.083
25	37.78	.290	151	60.71	.250	276	83.46	.380	401	106.21	1.076
26	37.96	.287	152	60.89	.248	277	83.64	.382	402	106.39	1.070
27	38.14	.284	153	61.07	.247	278	83.82	.385	403	106.57	1.063
28	38.32	.280	154	61.25	.245	279	84.00	.387	404	106.75	1.057
29	38.50	.277	155	61.44	.243	280	84.19	.390	405	106.94	1.052
30	38.69	.276	156	61.62	.243	281	84.37	.393	406	107.12	1.046
31	38.87	.275	157	61.80	.244	282	84.55	.395	407	107.30	1.040
32	39.05	.273	158	61.98	.245	283	84.73	.397	408	107.48	1.034
33	39.23	.272	159	62.16	.245	284	84.91	.398	409	107.66	1.029
34	39.41	.271	160	62.35	.246	285	85.10	.400	410	107.85	1.023
35	39.60	.270	161	62.53	.247	286	85.28	.402	411	108.03	1.017
36	39.78	.270	162	62.71	.248	287	85.46	.403	412	108.21	1.012
37	39.96	.270	163	62.89	.249	288	85.64	.405	413	108.39	1.006
38	40.14	.270	164	63.07	.250	289	85.82	.406	414	108.57	1.001
39	40.32	.270	165	63.26	.251	290	86.01	.408	415	108.76	.995
40	40.51	.270	166	63.44	.252	291	86.19	.410	416	108.94	.990
41	40.69	.272	167	63.62	.253	292	86.37	.411	417	109.12	.985
42	40.87	.273	168	63.80	.254	293	86.55	.413	418	109.30	.979
43	41.05	.274	169	63.98	.256	294	86.73	.415	419	109.48	.974
44	41.23	.275	170	64.17	.257	295	86.92	.417	420	109.67	.974
45	41.42	.277	171	64.35	.259	296	87.10	.418	421	109.85	.975
46	41.60	.275	172	64.53	.260	297	87.28	.420	422	110.03	.975
47	41.78	.272	173	64.71	.261	298	87.46	.422	423	110.21	.976
48	41.96	.269	174	64.89	.262	299	87.64	.424	424	110.39	.976
49	42.14	.265	175	65.08	.263	300	87.83	.626	425	110.58	.979
50	42.33	.262	176	65.26	.265	301	88.01	.629	426	110.76	.986
51	42.51	.259	177	65.44	.266	302	88.19	.631	427	110.94	.993
52	42.69	.262	178	65.62	.267	303	88.37	.634	428	111.12	.999
53	42.87	.265	179	65.80	.269	304	88.55	.637	429	111.30	1.006
54	43.05	.268	180	65.99	.271	305	88.74	.640	430	111.49	1.013
55	43.24	.271	181	66.17	.273	306	88.92	.642	431	111.67	1.021
56	43.42	.274	182	66.35	.274	307	89.10	.645	432	111.85	1.028
57	43.60	.276	183	66.53	.276	308	89.28	.648	433	112.03	1.035
58	43.78	.279	184	66.71	.278	309	89.46	.651	434	112.21	1.043
59	43.96	.282	185	66.90	.279	310	89.65	.654	435	112.40	1.051
60	44.15	.285	186	67.08	.281	311	89.83	.657	436	112.58	1.061
61	44.33	.287	187	67.26	.282	312	90.01	.660	437	112.76	1.072
62	44.51	.290	188	67.44	.283	313	90.19	.663	438	112.94	1.084
63	44.69	.293	189	67.62	.285	314	90.37	.666	439	113.12	1.097
64	44.87	.296	190	67.81	.288	315	90.56	.668	440	113.31	1.110
65	45.06	.299	191	67.99	.290	316	90.74	.669	441	113.49	1.123
66	45.24	.302	192	68.17	.292	317	90.92	.670	442	113.67	1.118
67	45.42	.305	193	68.35	.294	318	91.10	.671	443	113.85	1.111
68	45.60	.308	194	68.53	.296	319	91.28	.672	444	114.03	1.105
69	45.78	.311	195	68.72	.297	320	91.47	.673	445	114.22	1.098
70	45.97	.314	196	68.90	.298	321	91.65	.675	446	114.40	1.092

71	46.15	.317	197	69.08	.299	322	91.83	.678	447	114.58	1.084
72	46.33	.319	198	69.26	.300	323	92.01	.681	448	114.76	1.074
73	46.51	.322	199	69.44	.301	324	92.19	.684	449	114.94	1.064
74	46.69	.315	200	69.63	.301	325	92.38	.687	450	115.13	1.055
75	46.88	.308	201	69.81	.301	326	92.56	.690	451	115.31	1.045
76	47.06	.302	202	69.99	.301	327	92.74	.691	452	115.49	1.036
77	47.24	.296	203	70.17	.301	328	92.92	.692	453	115.67	1.023
78	47.42	.290	204	70.35	.301	329	93.10	.693	454	115.85	1.011
79	47.60	.284	205	70.54	.302	330	93.29	.694	455	116.04	.999
80	47.79	.278	206	70.72	.305	331	93.47	.695	456	116.22	.987
81	47.97	.272	207	70.90	.309	332	93.65	.696	457	116.40	.975
82	48.15	.267	208	71.08	.312	333	93.83	.697	458	116.58	.964
83	48.33	.262	209	71.26	.316	334	94.01	.697	459	116.76	.952
84	48.51	.257	210	71.45	.318	335	94.20	.698	460	116.95	.941
85	48.70	.258	211	71.63	.317	336	94.38	.699	461	117.13	.931
86	48.88	.260	212	71.81	.314	337	94.56	.701	462	117.31	.920
87	49.06	.261	213	71.99	.311	338	94.74	.704	463	117.49	.910
88	49.24	.262	214	72.17	.309	339	94.92	.708	464	117.67	.900
89	49.42	.263	215	72.36	.306	340	95.11	.711	465	117.86	.889
90	49.61	.270	216	72.54	.303	341	95.29	.714	466	118.04	.880
91	49.79	.281	217	72.72	.299	342	95.47	.718	467	118.22	.870
92	49.97	.293	218	72.90	.296	343	95.65	.719	468	118.40	.861
93	50.15	.307	219	73.08	.292	344	95.83	.720	469	118.58	.851
94	50.33	.321	220	73.27	.289	345	96.02	.721	470	118.77	.842
95	50.52	.336	221	73.45	.285	346	96.20	.722	471	118.95	.833
96	50.70	.336	222	73.63	.283	347	96.38	.723	472	119.13	.824
97	50.88	.337	223	73.81	.282	348	96.56	.724	473	119.31	.815
98	51.06	.338	224	73.99	.281	349	96.74	.725	474	119.49	.807
99	51.24	.338	225	74.18	.279	350	96.93	.726	475	119.68	.798
100	51.43	.339	226	74.36	.278	351	97.11	.727	476	119.86	.790
101	51.61	.334	227	74.54	.278	352	97.29	.728	477	120.04	.782
102	51.79	.324	228	74.72	.281	353	97.47	.729	478	120.22	.774
103	51.97	.315	229	74.90	.284	354	97.65	.730	479	120.40	.766
104	52.15	.307	230	75.09	.288	355	97.84	.731	480	120.59	.760
105	52.34	.299	231	75.27	.291	356	98.02	.732	481	120.77	.754
106	52.52	.293	232	75.45	.295	357	98.20	.733	482	120.95	.749
107	52.70	.299	233	75.63	.299	358	98.38	.734	483	121.13	.743
108	52.88	.304	234	75.81	.303	359	98.56	.736	484	121.31	.738
109	53.06	.310	235	76.00	.306	360	98.75	.740	485	121.50	.733
110	53.25	.316	236	76.18	.310	361	98.93	.743	486	121.68	.725
111	53.43	.323	237	76.36	.315	362	99.11	.747	487	121.86	.718
112	53.61	.325	238	76.54	.318	363	99.29	.750	488	122.04	.712
113	53.79	.324	239	76.72	.321	364	99.47	.754	489	122.22	.705
114	53.97	.323	240	76.91	.324	365	99.66	.755	490	122.41	.698
115	54.16	.322	241	77.09	.327	366	99.84	.756	491	122.59	.692
116	54.34	.321	242	77.27	.330	367	100.02	.757	492	122.77	.685
117	54.52	.319	243	77.45	.326	368	100.20	.758	493	122.95	.679
118	54.70	.317	244	77.63	.328	369	100.38	.759	494	123.13	.673
119	54.88	.313	245	77.82	.330	370	100.57	.761	495	123.32	.666
120	55.07	.311	246	78.00	.332	371	100.75	.762	496	123.50	.660
121	55.25	.309	247	78.18	.334	372	100.93	.763	497	123.68	.654
122	55.43	.307	248	78.36	.336	373	101.11	.764	498	123.86	.647

123	55.61	.305	249	78.54	.338	374	101.29	.765	499	124.04	.642
124	55.79	.303	250	78.73	.340	375	101.48	.767	500	124.23	.636
125	55.98	.301	251	78.91	.341	376	101.66	.770	501	124.41	.630
126	56.16	.299									

0********** JUNCTION VOLUMES (CUFT) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.086E+06	127	56.34	1.023E+06	252	79.09	8.526E+05	377	101.84	5.541E+05
2	33.59	1.082E+06	128	56.52	1.029E+06	253	79.27	8.494E+05	378	102.02	5.514E+05
3	33.77	1.073E+06	129	56.70	1.038E+06	254	79.45	8.463E+05	379	102.20	5.487E+05
4	33.95	1.064E+06	130	56.89	1.046E+06	255	79.64	8.431E+05	380	102.39	5.460E+05
5	34.14	1.055E+06	131	57.07	1.055E+06	256	79.82	8.400E+05	381	102.57	5.441E+05
6	34.32	1.047E+06	132	57.25	1.063E+06	257	80.00	8.369E+05	382	102.75	5.433E+05
7	34.50	1.038E+06	133	57.43	1.072E+06	258	80.18	8.337E+05	383	102.93	5.426E+05
8	34.68	1.033E+06	134	57.61	1.079E+06	259	80.36	8.306E+05	384	103.11	5.418E+05
9	34.86	1.027E+06	135	57.80	1.086E+06	260	80.55	8.270E+05	385	103.30	5.410E+05
10	35.05	1.022E+06	136	57.98	1.092E+06	261	80.73	8.219E+05	386	103.48	5.402E+05
11	35.23	1.017E+06	137	58.16	1.099E+06	262	80.91	8.168E+05	387	103.66	5.412E+05
12	35.41	1.012E+06	138	58.34	1.106E+06	263	81.09	8.117E+05	388	103.84	5.424E+05
13	35.59	1.009E+06	139	58.52	1.112E+06	264	81.27	8.066E+05	389	104.02	5.436E+05
14	35.77	1.009E+06	140	58.71	1.119E+06	265	81.46	8.015E+05	390	104.21	5.448E+05
15	35.96	1.009E+06	141	58.89	1.126E+06	266	81.64	7.980E+05	391	104.39	5.460E+05
16	36.14	1.009E+06	142	59.07	1.133E+06	267	81.82	7.949E+05	392	104.57	5.472E+05
17	36.32	1.009E+06	143	59.25	1.140E+06	268	82.00	7.918E+05	393	104.75	5.485E+05
18	36.50	1.009E+06	144	59.43	1.147E+06	269	82.18	7.888E+05	394	104.93	5.498E+05
19	36.68	1.014E+06	145	59.62	1.153E+06	270	82.37	7.857E+05	395	105.12	5.511E+05
20	36.87	1.020E+06	146	59.80	1.160E+06	271	82.55	7.827E+05	396	105.30	5.524E+05
21	37.05	1.025E+06	147	59.98	1.167E+06	272	82.73	7.796E+05	397	105.48	5.536E+05
22	37.23	1.030E+06	148	60.16	1.174E+06	273	82.91	7.766E+05	398	105.66	5.568E+05
23	37.41	1.035E+06	149	60.34	1.181E+06	274	83.09	7.736E+05	399	105.84	5.603E+05
24	37.59	1.044E+06	150	60.53	1.188E+06	275	83.28	7.705E+05	400	106.03	5.637E+05
25	37.78	1.056E+06	151	60.71	1.197E+06	276	83.46	7.675E+05	401	106.21	5.671E+05
26	37.96	1.069E+06	152	60.89	1.206E+06	277	83.64	7.629E+05	402	106.39	5.706E+05
27	38.14	1.081E+06	153	61.07	1.215E+06	278	83.82	7.578E+05	403	106.57	5.739E+05
28	38.32	1.093E+06	154	61.25	1.224E+06	279	84.00	7.527E+05	404	106.75	5.771E+05
29	38.50	1.105E+06	155	61.44	1.233E+06	280	84.19	7.476E+05	405	106.94	5.804E+05
30	38.69	1.110E+06	156	61.62	1.234E+06	281	84.37	7.426E+05	406	107.12	5.836E+05
31	38.87	1.116E+06	157	61.80	1.230E+06	282	84.55	7.381E+05	407	107.30	5.868E+05
32	39.05	1.121E+06	158	61.98	1.225E+06	283	84.73	7.351E+05	408	107.48	5.901E+05
33	39.23	1.126E+06	159	62.16	1.221E+06	284	84.91	7.322E+05	409	107.66	5.934E+05
34	39.41	1.131E+06	160	62.35	1.217E+06	285	85.10	7.292E+05	410	107.85	5.966E+05
35	39.60	1.134E+06	161	62.53	1.212E+06	286	85.28	7.262E+05	411	108.03	5.999E+05
36	39.78	1.134E+06	162	62.71	1.208E+06	287	85.46	7.233E+05	412	108.21	6.032E+05
37	39.96	1.134E+06	163	62.89	1.204E+06	288	85.64	7.204E+05	413	108.39	6.065E+05
38	40.14	1.134E+06	164	63.07	1.200E+06	289	85.82	7.176E+05	414	108.57	6.098E+05
39	40.32	1.134E+06	165	63.26	1.195E+06	290	86.01	7.148E+05	415	108.76	6.131E+05
40	40.51	1.134E+06	166	63.44	1.191E+06	291	86.19	7.119E+05	416	108.94	6.165E+05
41	40.69	1.128E+06	167	63.62	1.185E+06	292	86.37	7.091E+05	417	109.12	6.198E+05
42	40.87	1.123E+06	168	63.80	1.179E+06	293	86.55	7.062E+05	418	109.30	6.231E+05
43	41.05	1.118E+06	169	63.98	1.172E+06	294	86.73	7.032E+05	419	109.48	6.265E+05
44	41.23	1.113E+06	170	64.17	1.165E+06	295	86.92	7.002E+05	420	109.67	6.265E+05
45	41.42	1.107E+06	171	64.35	1.158E+06	296	87.10	6.972E+05	421	109.85	6.261E+05

46	41.60	1.113E+06	172	64.53	1.152E+06	297	87.28	6.941E+05	422	110.03	6.258E+05
47	41.78	1.127E+06	173	64.71	1.147E+06	298	87.46	6.911E+05	423	110.21	6.254E+05
48	41.96	1.141E+06	174	64.89	1.142E+06	299	87.64	6.882E+05	424	110.39	6.251E+05
49	42.14	1.155E+06	175	65.08	1.137E+06	300	87.83	6.853E+05	425	110.58	6.231E+05
50	42.33	1.169E+06	176	65.26	1.132E+06	301	88.01	6.825E+05	426	110.76	6.190E+05
51	42.51	1.181E+06	177	65.44	1.127E+06	302	88.19	6.796E+05	427	110.94	6.149E+05
52	42.69	1.169E+06	178	65.62	1.121E+06	303	88.37	6.767E+05	428	111.12	6.107E+05
53	42.87	1.157E+06	179	65.80	1.113E+06	304	88.55	6.738E+05	429	111.30	6.065E+05
54	43.05	1.145E+06	180	65.99	1.106E+06	305	88.74	6.708E+05	430	111.49	6.023E+05
55	43.24	1.132E+06	181	66.17	1.099E+06	306	88.92	6.679E+05	431	111.67	5.980E+05
56	43.42	1.120E+06	182	66.35	1.091E+06	307	89.10	6.649E+05	432	111.85	5.937E+05
57	43.60	1.109E+06	183	66.53	1.084E+06	308	89.28	6.620E+05	433	112.03	5.894E+05
58	43.78	1.098E+06	184	66.71	1.079E+06	309	89.46	6.590E+05	434	112.21	5.851E+05
59	43.96	1.088E+06	185	66.90	1.073E+06	310	89.65	6.561E+05	435	112.40	5.807E+05
60	44.15	1.077E+06	186	67.08	1.068E+06	311	89.83	6.531E+05	436	112.58	5.755E+05
61	44.33	1.067E+06	187	67.26	1.062E+06	312	90.01	6.502E+05	437	112.76	5.691E+05
62	44.51	1.056E+06	188	67.44	1.056E+06	313	90.19	6.473E+05	438	112.94	5.628E+05
63	44.69	1.046E+06	189	67.62	1.049E+06	314	90.37	6.444E+05	439	113.12	5.564E+05
64	44.87	1.035E+06	190	67.81	1.041E+06	315	90.56	6.421E+05	440	113.31	5.499E+05
65	45.06	1.025E+06	191	67.99	1.033E+06	316	90.74	6.412E+05	441	113.49	5.434E+05
66	45.24	1.014E+06	192	68.17	1.025E+06	317	90.92	6.402E+05	442	113.67	5.460E+05
67	45.42	1.004E+06	193	68.35	1.017E+06	318	91.10	6.393E+05	443	113.85	5.492E+05
68	45.60	9.945E+05	194	68.53	1.010E+06	319	91.28	6.384E+05	444	114.03	5.524E+05
69	45.78	9.857E+05	195	68.72	1.007E+06	320	91.47	6.374E+05	445	114.22	5.556E+05
70	45.97	9.770E+05	196	68.90	1.004E+06	321	91.65	6.350E+05	446	114.40	5.589E+05
71	46.15	9.682E+05	197	69.08	1.001E+06	322	91.83	6.322E+05	447	114.58	5.630E+05
72	46.33	9.595E+05	198	69.26	9.983E+05	323	92.01	6.294E+05	448	114.76	5.682E+05
73	46.51	9.528E+05	199	69.44	9.953E+05	324	92.19	6.267E+05	449	114.94	5.734E+05
74	46.69	9.738E+05	200	69.63	9.944E+05	325	92.38	6.239E+05	450	115.13	5.787E+05
75	46.88	9.948E+05	201	69.81	9.944E+05	326	92.56	6.217E+05	451	115.31	5.839E+05
76	47.06	1.016E+06	202	69.99	9.944E+05	327	92.74	6.208E+05	452	115.49	5.892E+05
77	47.24	1.037E+06	203	70.17	9.944E+05	328	92.92	6.199E+05	453	115.67	5.964E+05
78	47.42	1.058E+06	204	70.35	9.944E+05	329	93.10	6.190E+05	454	115.85	6.037E+05
79	47.60	1.080E+06	205	70.54	9.922E+05	330	93.29	6.181E+05	455	116.04	6.111E+05
80	47.79	1.103E+06	206	70.72	9.813E+05	331	93.47	6.172E+05	456	116.22	6.185E+05
81	47.97	1.125E+06	207	70.90	9.702E+05	332	93.65	6.163E+05	457	116.40	6.259E+05
82	48.15	1.148E+06	208	71.08	9.589E+05	333	93.83	6.155E+05	458	116.58	6.333E+05
83	48.33	1.171E+06	209	71.26	9.475E+05	334	94.01	6.147E+05	459	116.76	6.407E+05
84	48.51	1.191E+06	210	71.45	9.360E+05	335	94.20	6.139E+05	460	116.95	6.482E+05
85	48.70	1.186E+06	211	71.63	9.385E+05	336	94.38	6.131E+05	461	117.13	6.557E+05
86	48.88	1.181E+06	212	71.81	9.467E+05	337	94.56	6.116E+05	462	117.31	6.633E+05
87	49.06	1.175E+06	213	71.99	9.549E+05	338	94.74	6.088E+05	463	117.49	6.708E+05
88	49.24	1.170E+06	214	72.17	9.632E+05	339	94.92	6.059E+05	464	117.67	6.784E+05
89	49.42	1.165E+06	215	72.36	9.714E+05	340	95.11	6.031E+05	465	117.86	6.860E+05
90	49.61	1.136E+06	216	72.54	9.804E+05	341	95.29	6.003E+05	466	118.04	6.937E+05
91	49.79	1.091E+06	217	72.72	9.927E+05	342	95.47	5.975E+05	467	118.22	7.013E+05
92	49.97	1.045E+06	218	72.90	1.005E+06	343	95.65	5.964E+05	468	118.40	7.090E+05
93	50.15	9.996E+05	219	73.08	1.017E+06	344	95.83	5.956E+05	469	118.58	7.168E+05
94	50.33	9.542E+05	220	73.27	1.029E+06	345	96.02	5.948E+05	470	118.77	7.247E+05
95	50.52	9.127E+05	221	73.45	1.041E+06	346	96.20	5.940E+05	471	118.95	7.326E+05
96	50.70	9.110E+05	222	73.63	1.049E+06	347	96.38	5.932E+05	472	119.13	7.405E+05
97	50.88	9.093E+05	223	73.81	1.054E+06	348	96.56	5.924E+05	473	119.31	7.484E+05

98	51.06	9.075E+05	224	73.99	1.059E+06	349	96.74	5.915E+05	474	119.49	7.564E+05
99	51.24	9.058E+05	225	74.18	1.065E+06	350	96.93	5.906E+05	475	119.68	7.643E+05
100	51.43	9.040E+05	226	74.36	1.070E+06	351	97.11	5.897E+05	476	119.86	7.722E+05
101	51.61	9.190E+05	227	74.54	1.071E+06	352	97.29	5.888E+05	477	120.04	7.802E+05
102	51.79	9.452E+05	228	74.72	1.058E+06	353	97.47	5.879E+05	478	120.22	7.881E+05
103	51.97	9.715E+05	229	74.90	1.046E+06	354	97.65	5.871E+05	479	120.40	7.961E+05
104	52.15	9.977E+05	230	75.09	1.033E+06	355	97.84	5.863E+05	480	120.59	8.031E+05
105	52.34	1.024E+06	231	75.27	1.020E+06	356	98.02	5.855E+05	481	120.77	8.091E+05
106	52.52	1.045E+06	232	75.45	1.008E+06	357	98.20	5.847E+05	482	120.95	8.150E+05
107	52.70	1.026E+06	233	75.63	9.950E+05	358	98.38	5.839E+05	483	121.13	8.210E+05
108	52.88	1.007E+06	234	75.81	9.824E+05	359	98.56	5.824E+05	484	121.31	8.270E+05
109	53.06	9.877E+05	235	76.00	9.699E+05	360	98.75	5.796E+05	485	121.50	8.330E+05
110	53.25	9.685E+05	236	76.18	9.574E+05	361	98.93	5.769E+05	486	121.68	8.411E+05
111	53.43	9.493E+05	237	76.36	9.449E+05	362	99.11	5.741E+05	487	121.86	8.493E+05
112	53.61	9.434E+05	238	76.54	9.336E+05	363	99.29	5.714E+05	488	122.04	8.575E+05
113	53.79	9.462E+05	239	76.72	9.257E+05	364	99.47	5.687E+05	489	122.22	8.657E+05
114	53.97	9.490E+05	240	76.91	9.178E+05	365	99.66	5.676E+05	490	122.41	8.740E+05
115	54.16	9.518E+05	241	77.09	9.099E+05	366	99.84	5.668E+05	491	122.59	8.823E+05
116	54.34	9.546E+05	242	77.27	9.021E+05	367	100.02	5.660E+05	492	122.77	8.906E+05
117	54.52	9.578E+05	243	77.45	8.943E+05	368	100.20	5.652E+05	493	122.95	8.989E+05
118	54.70	9.641E+05	244	77.63	8.883E+05	369	100.38	5.645E+05	494	123.13	9.073E+05
119	54.88	9.704E+05	245	77.82	8.829E+05	370	100.57	5.636E+05	495	123.32	9.157E+05
120	55.07	9.767E+05	246	78.00	8.775E+05	371	100.75	5.628E+05	496	123.50	9.241E+05
121	55.25	9.831E+05	247	78.18	8.722E+05	372	100.93	5.619E+05	497	123.68	9.326E+05
122	55.43	9.895E+05	248	78.36	8.669E+05	373	101.11	5.610E+05	498	123.86	9.411E+05
123	55.61	9.960E+05	249	78.54	8.621E+05	374	101.29	5.601E+05	499	124.04	9.496E+05
124	55.79	1.003E+06	250	78.73	8.589E+05	375	101.48	5.592E+05	500	124.23	9.581E+05
125	55.98	1.009E+06	251	78.91	8.557E+05	376	101.66	5.568E+05	501	124.41	9.666E+05
126	56.16	1.016E+06									

0********** OWENS EDWARDS AND GIBBS CORRELATION **********

WIND INDUCED REAERATION WAS USED FOR THE FOLLOW SEGMENTS

1	2	3	4	5	6	7	8	9	10	11	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	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278																						

0********** COMPUTED REAERATION RATES (1/DAY) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.257	127	56.34	.283	252	79.09	.402	377	101.84	.961
2	33.59	.258	128	56.52	.282	253	79.27	.403	378	102.02	.970
3	33.77	.261	129	56.70	.281	254	79.45	.404	379	102.20	.979
4	33.95	.263	130	56.89	.279	255	79.64	.405	380	102.39	.988
5	34.14	.265	131	57.07	.278	256	79.82	.406	381	102.57	.994
6	34.32	.267	132	57.25	.276	257	80.00	.407	382	102.75	.995
7	34.50	.269	133	57.43	.275	258	80.18	.408	383	102.93	.996
8	34.68	.271	134	57.61	.274	259	80.36	.409	384	103.11	.997

9	34.86	.272	135	57.80	.273	260	80.55	.410	385	103.30	.998
10	35.05	.273	136	57.98	.272	261	80.73	.412	386	103.48	.999
11	35.23	.275	137	58.16	.271	262	80.91	.414	387	103.66	.992
12	35.41	.276	138	58.34	.270	263	81.09	.417	388	103.84	.985
13	35.59	.277	139	58.52	.269	264	81.27	.419	389	104.02	.977
14	35.77	.277	140	58.71	.268	265	81.46	.421	390	104.21	.970
15	35.96	.277	141	58.89	.267	266	81.64	.422	391	104.39	.963
16	36.14	.277	142	59.07	.267	267	81.82	.424	392	104.57	.955
17	36.32	.277	143	59.25	.266	268	82.00	.425	393	104.75	.948
18	36.50	.277	144	59.43	.265	269	82.18	.426	394	104.93	.941
19	36.68	.276	145	59.62	.264	270	82.37	.427	395	105.12	.934
20	36.87	.274	146	59.80	.263	271	82.55	.428	396	105.30	.927
21	37.05	.273	147	59.98	.262	272	82.73	.429	397	105.48	1.166
22	37.23	.271	148	60.16	.261	273	82.91	.430	398	105.66	1.149
23	37.41	.270	149	60.34	.260	274	83.09	.432	399	105.84	1.131
24	37.59	.268	150	60.53	.260	275	83.28	.433	400	106.03	1.113
25	37.78	.265	151	60.71	.258	276	83.46	.434	401	106.21	1.096
26	37.96	.262	152	60.89	.257	277	83.64	.436	402	106.39	1.079
27	38.14	.259	153	61.07	.256	278	83.82	.438	403	106.57	1.065
28	38.32	.256	154	61.25	.255	279	84.00	.441	404	106.75	1.055
29	38.50	.253	155	61.44	.253	280	84.19	.448	405	106.94	1.045
30	38.69	.252	156	61.62	.254	281	84.37	.454	406	107.12	1.035
31	38.87	.251	157	61.80	.256	282	84.55	.460	407	107.30	1.025
32	39.05	.249	158	61.98	.257	283	84.73	.464	408	107.48	1.016
33	39.23	.248	159	62.16	.259	284	84.91	.468	409	107.66	1.007
34	39.41	.247	160	62.35	.261	285	85.10	.471	410	107.85	.997
35	39.60	.246	161	62.53	.262	286	85.28	.475	411	108.03	.988
36	39.78	.246	162	62.71	.264	287	85.46	.479	412	108.21	.979
37	39.96	.246	163	62.89	.266	288	85.64	.483	413	108.39	.970
38	40.14	.246	164	63.07	.268	289	85.82	.487	414	108.57	.961
39	40.32	.246	165	63.26	.269	290	86.01	.490	415	108.76	.952
40	40.51	.247	166	63.44	.271	291	86.19	.494	416	108.94	.944
41	40.69	.248	167	63.62	.273	292	86.37	.498	417	109.12	.935
42	40.87	.249	168	63.80	.276	293	86.55	.502	418	109.30	.927
43	41.05	.250	169	63.98	.278	294	86.73	.506	419	109.48	.919
44	41.23	.251	170	64.17	.281	295	86.92	.511	420	109.67	.923
45	41.42	.252	171	64.35	.283	296	87.10	.515	421	109.85	.928
46	41.60	.251	172	64.53	.286	297	87.28	.519	422	110.03	.933
47	41.78	.248	173	64.71	.288	298	87.46	.524	423	110.21	.939
48	41.96	.245	174	64.89	.290	299	87.64	.528	424	110.39	.945
49	42.14	.242	175	65.08	.292	300	87.83	.689	425	110.58	.956
50	42.33	.239	176	65.26	.294	301	88.01	.695	426	110.76	.977
51	42.51	.237	177	65.44	.296	302	88.19	.701	427	110.94	.998
52	42.69	.239	178	65.62	.299	303	88.37	.707	428	111.12	1.019
53	42.87	.242	179	65.80	.301	304	88.55	.713	429	111.30	1.042
54	43.05	.244	180	65.99	.304	305	88.74	.719	430	111.49	1.065
55	43.24	.247	181	66.17	.307	306	88.92	.725	431	111.67	1.089
56	43.42	.250	182	66.35	.310	307	89.10	.731	432	111.85	1.114
57	43.60	.252	183	66.53	.313	308	89.28	.737	433	112.03	1.139
58	43.78	.254	184	66.71	.316	309	89.46	.744	434	112.21	1.166
59	43.96	.257	185	66.90	.318	310	89.65	.750	435	112.40	1.193
60	44.15	.259	186	67.08	.321	311	89.83	.757	436	112.58	1.226

61	44.33	.262	187	67.26	.323	312	90.01	.763	437	112.76	1.266
62	44.51	.265	188	67.44	.326	313	90.19	.770	438	112.94	1.308
63	44.69	.267	189	67.62	.329	314	90.37	.777	439	113.12	1.352
64	44.87	.270	190	67.81	.333	315	90.56	.782	440	113.31	1.398
65	45.06	.273	191	67.99	.336	316	90.74	.782	441	113.49	1.447
66	45.24	.276	192	68.17	.340	317	90.92	.783	442	113.67	1.436
67	45.42	.278	193	68.35	.343	318	91.10	.784	443	113.85	1.421
68	45.60	.281	194	68.53	.347	319	91.28	.784	444	114.03	1.406
69	45.78	.284	195	68.72	.348	320	91.47	.785	445	114.22	1.392
70	45.97	.286	196	68.90	.350	321	91.65	.791	446	114.40	1.377
71	46.15	.289	197	69.08	.351	322	91.83	.798	447	114.58	1.358
72	46.33	.291	198	69.26	.353	323	92.01	.805	448	114.76	1.332
73	46.51	.293	199	69.44	.354	324	92.19	.812	449	114.94	1.307
74	46.69	.287	200	69.63	.355	325	92.38	.819	450	115.13	1.283
75	46.88	.281	201	69.81	.355	326	92.56	.824	451	115.31	1.259
76	47.06	.275	202	69.99	.355	327	92.74	.825	452	115.49	1.236
77	47.24	.270	203	70.17	.355	328	92.92	.826	453	115.67	1.204
78	47.42	.264	204	70.35	.355	329	93.10	.826	454	115.85	1.172
79	47.60	.259	205	70.54	.356	330	93.29	.827	455	116.04	1.142
80	47.79	.254	206	70.72	.361	331	93.47	.828	456	116.22	1.112
81	47.97	.248	207	70.90	.367	332	93.65	.829	457	116.40	1.084
82	48.15	.243	208	71.08	.373	333	93.83	.830	458	116.58	1.056
83	48.33	.239	209	71.26	.379	334	94.01	.830	459	116.76	1.030
84	48.51	.235	210	71.45	.386	335	94.20	.831	460	116.95	1.004
85	48.70	.236	211	71.63	.385	336	94.38	.832	461	117.13	.980
86	48.88	.237	212	71.81	.382	337	94.56	.835	462	117.31	.956
87	49.06	.238	213	71.99	.378	338	94.74	.842	463	117.49	.932
88	49.24	.239	214	72.17	.374	339	94.92	.850	464	117.67	.910
89	49.42	.240	215	72.36	.371	340	95.11	.857	465	117.86	.888
90	49.61	.246	216	72.54	.367	341	95.29	.865	466	118.04	.867
91	49.79	.256	217	72.72	.362	342	95.47	.873	467	118.22	.847
92	49.97	.267	218	72.90	.357	343	95.65	.875	468	118.40	.827
93	50.15	.280	219	73.08	.353	344	95.83	.876	469	118.58	.808
94	50.33	.293	220	73.27	.348	345	96.02	.877	470	118.77	.790
95	50.52	.306	221	73.45	.343	346	96.20	.877	471	118.95	.772
96	50.70	.307	222	73.63	.341	347	96.38	.878	472	119.13	.754
97	50.88	.307	223	73.81	.338	348	96.56	.879	473	119.31	.737
98	51.06	.308	224	73.99	.336	349	96.74	.880	474	119.49	.721
99	51.24	.309	225	74.18	.334	350	96.93	.881	475	119.68	.705
100	51.43	.309	226	74.36	.332	351	97.11	.882	476	119.86	.690
101	51.61	.304	227	74.54	.331	352	97.29	.883	477	120.04	.675
102	51.79	.296	228	74.72	.335	353	97.47	.883	478	120.22	.660
103	51.97	.288	229	74.90	.338	354	97.65	.884	479	120.40	.646
104	52.15	.280	230	75.09	.342	355	97.84	.885	480	120.59	.635
105	52.34	.273	231	75.27	.346	356	98.02	.886	481	120.77	.626
106	52.52	.267	232	75.45	.349	357	98.20	.887	482	120.95	.616
107	52.70	.272	233	75.63	.353	358	98.38	.887	483	121.13	.608
108	52.88	.278	234	75.81	.357	359	98.56	.891	484	121.31	.599
109	53.06	.283	235	76.00	.361	360	98.75	.899	485	121.50	.590
110	53.25	.289	236	76.18	.365	361	98.93	.907	486	121.68	.578
111	53.43	.294	237	76.36	.370	362	99.11	.916	487	121.86	.567
112	53.61	.296	238	76.54	.374	363	99.29	.924	488	122.04	.555

113	53.79	.296	239	76.72	.376	364	99.47	.933	489	122.22	.544
114	53.97	.295	240	76.91	.379	365	99.66	.935	490	122.41	.533
115	54.16	.295	241	77.09	.382	366	99.84	.935	491	122.59	.523
116	54.34	.294	242	77.27	.384	367	100.02	.936	492	122.77	.512
117	54.52	.294	243	77.45	.387	368	100.20	.937	493	122.95	.502
118	54.70	.293	244	77.63	.389	369	100.38	.938	494	123.13	.493
119	54.88	.292	245	77.82	.391	370	100.57	.939	495	123.32	.483
120	55.07	.290	246	78.00	.393	371	100.75	.940	496	123.50	.474
121	55.25	.289	247	78.18	.395	372	100.93	.941	497	123.68	.465
122	55.43	.288	248	78.36	.397	373	101.11	.942	498	123.86	.456
123	55.61	.287	249	78.54	.399	374	101.29	.943	499	124.04	.447
124	55.79	.286	250	78.73	.400	375	101.48	.944	500	124.23	.439
125	55.98	.285	251	78.91	.401	376	101.66	.952	501	124.41	.431
126	56.16	.284									

1**********

****

********** STEADY STATE FLOW CONDITIONS **********

****

********** TOTAL INFLOWS = 651.3 CFS **********

********** TOTAL DIVERSIONS = 332.0 CFS **********

********** OUTFLOW AT DOWNSTREAM JUNCTION = 319.3 CFS **********

****

****

0********** POINT SOURCE INFLOWS (CFS) **********

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.290	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	3.868	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000

27	38.14	.007	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.037	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.002	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.193	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.034	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.015
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.348	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.023	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.005	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.017	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000

79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	2.300	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.002	212	71.81	.000	337	94.56	.006	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.030
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.093
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.009	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.017	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	1.296	243	77.45	5.802	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	1.934	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.967
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	634.000
126	56.16	.000									

0********** NONPOINT SOURCE INFLOWS (CFS) (EXCLUDING RAINFALL) **********

ALL VALUES = 0.000E+00

0********** POINT DIVERSIONS (CFS) **********

0 JUNC	RIVER	JUNC	RIVER	JUNC	RIVER	JUNC	RIVER

NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE
1	33.41	319.296	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	189.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	143.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000

52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	.000	212	71.81	.000	337	94.56	.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000

104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	.000	243	77.45	.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	.000
126	56.16	.000									

0********** NONPOINT DIVERSIONS OR LOSSES (CFS) (EXCLUDING EVAPORATION) **********

ALL VALUES = 0.000E+00

0********** JUNCT*N FLOWS (CFS) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	-319.296	127	56.34	-315.718	252	79.09	-303.515	377	101.84	-446.105
2	33.59	-319.006	128	56.52	-315.718	253	79.27	-303.515	378	102.02	-446.105
3	33.77	-319.006	129	56.70	-315.718	254	79.45	-303.515	379	102.20	-446.105
4	33.95	-319.006	130	56.89	-315.718	255	79.64	-303.515	380	102.39	-446.105
5	34.14	-319.006	131	57.07	-315.718	256	79.82	-303.515	381	102.57	-446.105
6	34.32	-319.006	132	57.25	-315.718	257	80.00	-303.515	382	102.75	-446.105
7	34.50	-319.006	133	57.43	-315.718	258	80.18	-303.515	383	102.93	-446.105
8	34.68	-319.006	134	57.61	-315.718	259	80.36	-303.515	384	103.11	-446.105
9	34.86	-319.006	135	57.80	-311.850	260	80.55	-303.515	385	103.30	-446.105
10	35.05	-319.006	136	57.98	-311.850	261	80.73	-303.515	386	103.48	-446.105
11	35.23	-319.006	137	58.16	-311.850	262	80.91	-303.515	387	103.66	-446.105
12	35.41	-319.006	138	58.34	-311.850	263	81.09	-303.515	388	103.84	-446.105
13	35.59	-319.006	139	58.52	-311.850	264	81.27	-303.515	389	104.02	-446.105
14	35.77	-319.006	140	58.71	-311.850	265	81.46	-303.515	390	104.21	-446.105
15	35.96	-319.006	141	58.89	-311.850	266	81.64	-303.515	391	104.39	-446.105
16	36.14	-319.006	142	59.07	-311.850	267	81.82	-303.515	392	104.57	-446.105
17	36.32	-319.006	143	59.25	-311.850	268	82.00	-303.515	393	104.75	-446.105
18	36.50	-319.006	144	59.43	-311.850	269	82.18	-303.515	394	104.93	-446.105
19	36.68	-319.006	145	59.62	-311.850	270	82.37	-303.515	395	105.12	-446.105
20	36.87	-319.006	146	59.80	-311.850	271	82.55	-303.515	396	105.30	-446.105
21	37.05	-319.006	147	59.98	-311.850	272	82.73	-303.515	397	105.48	-635.105
22	37.23	-319.006	148	60.16	-311.850	273	82.91	-303.515	398	105.66	-635.105
23	37.41	-319.006	149	60.34	-311.850	274	83.09	-303.515	399	105.84	-635.105
24	37.59	-319.006	150	60.53	-311.850	275	83.28	-303.515	400	106.03	-635.105

25	37.78	-319.006	151	60.71	-311.850	276	83.46	-303.515	401	106.21	-635.105
26	37.96	-319.006	152	60.89	-311.850	277	83.64	-303.515	402	106.39	-635.105
27	38.14	-318.999	153	61.07	-311.850	278	83.82	-303.515	403	106.57	-635.105
28	38.32	-318.999	154	61.25	-311.850	279	84.00	-303.515	404	106.75	-635.105
29	38.50	-318.999	155	61.44	-311.850	280	84.19	-303.515	405	106.94	-635.105
30	38.69	-318.999	156	61.62	-311.850	281	84.37	-303.515	406	107.12	-635.105
31	38.87	-318.999	157	61.80	-311.850	282	84.55	-303.515	407	107.30	-635.105
32	39.05	-318.999	158	61.98	-311.813	283	84.73	-303.515	408	107.48	-635.105
33	39.23	-318.999	159	62.16	-311.813	284	84.91	-303.515	409	107.66	-635.105
34	39.41	-318.999	160	62.35	-311.813	285	85.10	-303.515	410	107.85	-635.105
35	39.60	-318.999	161	62.53	-311.813	286	85.28	-303.515	411	108.03	-635.105
36	39.78	-318.999	162	62.71	-311.813	287	85.46	-303.515	412	108.21	-635.105
37	39.96	-318.999	163	62.89	-311.811	288	85.64	-303.515	413	108.39	-635.105
38	40.14	-318.999	164	63.07	-311.811	289	85.82	-303.515	414	108.57	-635.105
39	40.32	-318.999	165	63.26	-311.811	290	86.01	-303.515	415	108.76	-635.105
40	40.51	-318.999	166	63.44	-311.811	291	86.19	-303.515	416	108.94	-635.105
41	40.69	-318.999	167	63.62	-311.811	292	86.37	-303.515	417	109.12	-635.105
42	40.87	-318.999	168	63.80	-311.617	293	86.55	-303.515	418	109.30	-635.105
43	41.05	-318.999	169	63.98	-311.617	294	86.73	-303.515	419	109.48	-635.105
44	41.23	-318.999	170	64.17	-311.617	295	86.92	-303.515	420	109.67	-635.105
45	41.42	-318.999	171	64.35	-311.617	296	87.10	-303.515	421	109.85	-635.105
46	41.60	-318.999	172	64.53	-311.617	297	87.28	-303.515	422	110.03	-635.105
47	41.78	-318.999	173	64.71	-311.617	298	87.46	-303.515	423	110.21	-635.105
48	41.96	-318.999	174	64.89	-311.617	299	87.64	-303.515	424	110.39	-635.105
49	42.14	-318.999	175	65.08	-311.617	300	87.83	-446.515	425	110.58	-635.105
50	42.33	-318.999	176	65.26	-311.617	301	88.01	-446.515	426	110.76	-635.105
51	42.51	-318.999	177	65.44	-311.617	302	88.19	-446.515	427	110.94	-635.105
52	42.69	-318.999	178	65.62	-311.617	303	88.37	-446.515	428	111.12	-635.105
53	42.87	-318.999	179	65.80	-311.617	304	88.55	-446.481	429	111.30	-635.105
54	43.05	-318.999	180	65.99	-311.617	305	88.74	-446.481	430	111.49	-635.105
55	43.24	-318.999	181	66.17	-311.617	306	88.92	-446.481	431	111.67	-635.105
56	43.42	-318.999	182	66.35	-311.617	307	89.10	-446.481	432	111.85	-635.105
57	43.60	-318.999	183	66.53	-311.617	308	89.28	-446.481	433	112.03	-635.105
58	43.78	-318.999	184	66.71	-311.617	309	89.46	-446.481	434	112.21	-635.105
59	43.96	-318.999	185	66.90	-311.617	310	89.65	-446.481	435	112.40	-635.105
60	44.15	-318.999	186	67.08	-311.617	311	89.83	-446.481	436	112.58	-635.105
61	44.33	-318.999	187	67.26	-311.617	312	90.01	-446.481	437	112.76	-635.105
62	44.51	-318.999	188	67.44	-311.617	313	90.19	-446.481	438	112.94	-635.105
63	44.69	-318.999	189	67.62	-311.617	314	90.37	-446.481	439	113.12	-635.090
64	44.87	-318.999	190	67.81	-311.617	315	90.56	-446.481	440	113.31	-635.090
65	45.06	-318.999	191	67.99	-311.617	316	90.74	-446.133	441	113.49	-635.090
66	45.24	-318.999	192	68.17	-311.617	317	90.92	-446.133	442	113.67	-635.090
67	45.42	-318.976	193	68.35	-311.617	318	91.10	-446.133	443	113.85	-635.090
68	45.60	-318.976	194	68.53	-311.617	319	91.28	-446.133	444	114.03	-635.090
69	45.78	-318.976	195	68.72	-311.617	320	91.47	-446.133	445	114.22	-635.090
70	45.97	-318.976	196	68.90	-311.617	321	91.65	-446.133	446	114.40	-635.090
71	46.15	-318.976	197	69.08	-311.617	322	91.83	-446.128	447	114.58	-635.090
72	46.33	-318.976	198	69.26	-311.617	323	92.01	-446.128	448	114.76	-635.090
73	46.51	-318.976	199	69.44	-311.617	324	92.19	-446.128	449	114.94	-635.090
74	46.69	-318.959	200	69.63	-311.617	325	92.38	-446.128	450	115.13	-635.090
75	46.88	-318.959	201	69.81	-311.617	326	92.56	-446.128	451	115.31	-635.090
76	47.06	-318.959	202	69.99	-311.617	327	92.74	-446.128	452	115.49	-635.090

77	47.24	-318.959	203	70.17	-311.617	328	92.92	-446.128	453	115.67	-635.090
78	47.42	-318.959	204	70.35	-311.617	329	93.10	-446.128	454	115.85	-635.090
79	47.60	-318.959	205	70.54	-311.617	330	93.29	-446.128	455	116.04	-635.090
80	47.79	-318.959	206	70.72	-311.617	331	93.47	-446.128	456	116.22	-635.090
81	47.97	-318.959	207	70.90	-311.617	332	93.65	-446.128	457	116.40	-635.090
82	48.15	-318.959	208	71.08	-311.617	333	93.83	-446.128	458	116.58	-635.090
83	48.33	-318.959	209	71.26	-311.617	334	94.01	-446.128	459	116.76	-635.090
84	48.51	-318.959	210	71.45	-309.317	335	94.20	-446.128	460	116.95	-635.090
85	48.70	-318.959	211	71.63	-309.317	336	94.38	-446.128	461	117.13	-635.090
86	48.88	-318.957	212	71.81	-309.317	337	94.56	-446.123	462	117.31	-635.090
87	49.06	-318.957	213	71.99	-309.317	338	94.74	-446.123	463	117.49	-635.090
88	49.24	-318.957	214	72.17	-309.317	339	94.92	-446.123	464	117.67	-635.060
89	49.42	-318.957	215	72.36	-309.317	340	95.11	-446.123	465	117.86	-634.967
90	49.61	-318.957	216	72.54	-309.317	341	95.29	-446.123	466	118.04	-634.967
91	49.79	-318.957	217	72.72	-309.317	342	95.47	-446.123	467	118.22	-634.967
92	49.97	-318.957	218	72.90	-309.317	343	95.65	-446.123	468	118.40	-634.967
93	50.15	-318.948	219	73.08	-309.317	344	95.83	-446.123	469	118.58	-634.967
94	50.33	-318.948	220	73.27	-309.317	345	96.02	-446.123	470	118.77	-634.967
95	50.52	-318.948	221	73.45	-309.317	346	96.20	-446.123	471	118.95	-634.967
96	50.70	-318.948	222	73.63	-309.317	347	96.38	-446.123	472	119.13	-634.967
97	50.88	-318.948	223	73.81	-309.317	348	96.56	-446.123	473	119.31	-634.967
98	51.06	-318.948	224	73.99	-309.317	349	96.74	-446.123	474	119.49	-634.967
99	51.24	-318.948	225	74.18	-309.317	350	96.93	-446.123	475	119.68	-634.967
100	51.43	-318.948	226	74.36	-309.317	351	97.11	-446.123	476	119.86	-634.967
101	51.61	-318.948	227	74.54	-309.317	352	97.29	-446.123	477	120.04	-634.967
102	51.79	-318.948	228	74.72	-309.317	353	97.47	-446.123	478	120.22	-634.967
103	51.97	-318.948	229	74.90	-309.317	354	97.65	-446.123	479	120.40	-634.967
104	52.15	-318.948	230	75.09	-309.317	355	97.84	-446.123	480	120.59	-634.967
105	52.34	-318.948	231	75.27	-309.317	356	98.02	-446.123	481	120.77	-634.967
106	52.52	-318.948	232	75.45	-309.317	357	98.20	-446.123	482	120.95	-634.967
107	52.70	-318.948	233	75.63	-309.317	358	98.38	-446.105	483	121.13	-634.967
108	52.88	-318.948	234	75.81	-309.317	359	98.56	-446.105	484	121.31	-634.967
109	53.06	-318.948	235	76.00	-309.317	360	98.75	-446.105	485	121.50	-634.967
110	53.25	-318.948	236	76.18	-309.317	361	98.93	-446.105	486	121.68	-634.967
111	53.43	-318.948	237	76.36	-309.317	362	99.11	-446.105	487	121.86	-634.967
112	53.61	-318.948	238	76.54	-309.317	363	99.29	-446.105	488	122.04	-634.967
113	53.79	-318.948	239	76.72	-309.317	364	99.47	-446.105	489	122.22	-634.967
114	53.97	-318.948	240	76.91	-309.317	365	99.66	-446.105	490	122.41	-634.967
115	54.16	-318.948	241	77.09	-309.317	366	99.84	-446.105	491	122.59	-634.967
116	54.34	-318.948	242	77.27	-309.317	367	100.02	-446.105	492	122.77	-634.967
117	54.52	-317.652	243	77.45	-303.515	368	100.20	-446.105	493	122.95	-634.967
118	54.70	-317.652	244	77.63	-303.515	369	100.38	-446.105	494	123.13	-634.967
119	54.88	-315.718	245	77.82	-303.515	370	100.57	-446.105	495	123.32	-634.967
120	55.07	-315.718	246	78.00	-303.515	371	100.75	-446.105	496	123.50	-634.967
121	55.25	-315.718	247	78.18	-303.515	372	100.93	-446.105	497	123.68	-634.967
122	55.43	-315.718	248	78.36	-303.515	373	101.11	-446.105	498	123.86	-634.000
123	55.61	-315.718	249	78.54	-303.515	374	101.29	-446.105	499	124.04	-634.000
124	55.79	-315.718	250	78.73	-303.515	375	101.48	-446.105	500	124.23	-634.000
125	55.98	-315.718	251	78.91	-303.515	376	101.66	-446.105	501	124.41	-634.000
126	56.16	-315.718									

0********** RESIDENCE TIME (DAYS) **********

0	JUNC	RIVER		JUNC	RIVER		JUNC	RIVER		JUNC	RIVER

NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE	NO	MILE	VALUE
1	33.41	13.924	127	56.34	9.126	252	79.09	4.202	377	101.84	1.578
2	33.59	13.885	128	56.52	9.089	253	79.27	4.170	378	102.02	1.563
3	33.77	13.846	129	56.70	9.051	254	79.45	4.137	379	102.20	1.549
4	33.95	13.807	130	56.89	9.013	255	79.64	4.105	380	102.39	1.535
5	34.14	13.768	131	57.07	8.975	256	79.82	4.073	381	102.57	1.521
6	34.32	13.730	132	57.25	8.936	257	80.00	4.041	382	102.75	1.507
7	34.50	13.692	133	57.43	8.897	258	80.18	4.009	383	102.93	1.493
8	34.68	13.654	134	57.61	8.858	259	80.36	3.977	384	103.11	1.478
9	34.86	13.617	135	57.80	8.818	260	80.55	3.945	385	103.30	1.464
10	35.05	13.580	136	57.98	8.778	261	80.73	3.914	386	103.48	1.450
11	35.23	13.542	137	58.16	8.737	262	80.91	3.882	387	103.66	1.436
12	35.41	13.506	138	58.34	8.696	263	81.09	3.851	388	103.84	1.422
13	35.59	13.469	139	58.52	8.655	264	81.27	3.820	389	104.02	1.408
14	35.77	13.432	140	58.71	8.614	265	81.46	3.790	390	104.21	1.394
15	35.96	13.396	141	58.89	8.573	266	81.64	3.759	391	104.39	1.380
16	36.14	13.359	142	59.07	8.531	267	81.82	3.729	392	104.57	1.366
17	36.32	13.322	143	59.25	8.489	268	82.00	3.698	393	104.75	1.352
18	36.50	13.286	144	59.43	8.446	269	82.18	3.668	394	104.93	1.337
19	36.68	13.249	145	59.62	8.404	270	82.37	3.638	395	105.12	1.323
20	36.87	13.212	146	59.80	8.361	271	82.55	3.608	396	105.30	1.309
21	37.05	13.175	147	59.98	8.318	272	82.73	3.578	397	105.48	1.294
22	37.23	13.138	148	60.16	8.275	273	82.91	3.548	398	105.66	1.284
23	37.41	13.101	149	60.34	8.231	274	83.09	3.519	399	105.84	1.274
24	37.59	13.063	150	60.53	8.187	275	83.28	3.489	400	106.03	1.264
25	37.78	13.025	151	60.71	8.143	276	83.46	3.460	401	106.21	1.254
26	37.96	12.987	152	60.89	8.099	277	83.64	3.431	402	106.39	1.243
27	38.14	12.948	153	61.07	8.054	278	83.82	3.402	403	106.57	1.233
28	38.32	12.909	154	61.25	8.009	279	84.00	3.373	404	106.75	1.223
29	38.50	12.869	155	61.44	7.963	280	84.19	3.344	405	106.94	1.212
30	38.69	12.829	156	61.62	7.918	281	84.37	3.316	406	107.12	1.201
31	38.87	12.789	157	61.80	7.872	282	84.55	3.287	407	107.30	1.191
32	39.05	12.749	158	61.98	7.826	283	84.73	3.259	408	107.48	1.180
33	39.23	12.708	159	62.16	7.781	284	84.91	3.231	409	107.66	1.169
34	39.41	12.667	160	62.35	7.735	285	85.10	3.203	410	107.85	1.159
35	39.60	12.626	161	62.53	7.690	286	85.28	3.175	411	108.03	1.148
36	39.78	12.585	162	62.71	7.645	287	85.46	3.148	412	108.21	1.137
37	39.96	12.544	163	62.89	7.600	288	85.64	3.120	413	108.39	1.126
38	40.14	12.503	164	63.07	7.556	289	85.82	3.093	414	108.57	1.115
39	40.32	12.461	165	63.26	7.511	290	86.01	3.065	415	108.76	1.104
40	40.51	12.420	166	63.44	7.467	291	86.19	3.038	416	108.94	1.092
41	40.69	12.379	167	63.62	7.423	292	86.37	3.011	417	109.12	1.081
42	40.87	12.338	168	63.80	7.379	293	86.55	2.984	418	109.30	1.070
43	41.05	12.297	169	63.98	7.335	294	86.73	2.957	419	109.48	1.059
44	41.23	12.257	170	64.17	7.291	295	86.92	2.930	420	109.67	1.047
45	41.42	12.216	171	64.35	7.248	296	87.10	2.903	421	109.85	1.036
46	41.60	12.176	172	64.53	7.205	297	87.28	2.877	422	110.03	1.024
47	41.78	12.136	173	64.71	7.162	298	87.46	2.850	423	110.21	1.013
48	41.96	12.095	174	64.89	7.120	299	87.64	2.824	424	110.39	1.002
49	42.14	12.054	175	65.08	7.077	300	87.83	2.798	425	110.58	.990
50	42.33	12.012	176	65.26	7.035	301	88.01	2.780	426	110.76	.979
51	42.51	11.969	177	65.44	6.993	302	88.19	2.762	427	110.94	.967

52	42.69	11.926	178	65.62	6.951	303	88.37	2.745	428	111.12	.956
53	42.87	11.884	179	65.80	6.909	304	88.55	2.727	429	111.30	.945
54	43.05	11.842	180	65.99	6.868	305	88.74	2.710	430	111.49	.934
55	43.24	11.801	181	66.17	6.827	306	88.92	2.692	431	111.67	.923
56	43.42	11.759	182	66.35	6.786	307	89.10	2.675	432	111.85	.912
57	43.60	11.719	183	66.53	6.746	308	89.28	2.658	433	112.03	.901
58	43.78	11.679	184	66.71	6.705	309	89.46	2.640	434	112.21	.891
59	43.96	11.639	185	66.90	6.665	310	89.65	2.623	435	112.40	.880
60	44.15	11.599	186	67.08	6.626	311	89.83	2.606	436	112.58	.869
61	44.33	11.560	187	67.26	6.586	312	90.01	2.589	437	112.76	.859
62	44.51	11.521	188	67.44	6.546	313	90.19	2.573	438	112.94	.849
63	44.69	11.483	189	67.62	6.507	314	90.37	2.556	439	113.12	.838
64	44.87	11.445	190	67.81	6.468	315	90.56	2.539	440	113.31	.828
65	45.06	11.408	191	67.99	6.430	316	90.74	2.522	441	113.49	.818
66	45.24	11.370	192	68.17	6.391	317	90.92	2.506	442	113.67	.808
67	45.42	11.334	193	68.35	6.353	318	91.10	2.489	443	113.85	.798
68	45.60	11.297	194	68.53	6.315	319	91.28	2.473	444	114.03	.788
69	45.78	11.261	195	68.72	6.278	320	91.47	2.456	445	114.22	.778
70	45.97	11.225	196	68.90	6.240	321	91.65	2.440	446	114.40	.768
71	46.15	11.190	197	69.08	6.203	322	91.83	2.423	447	114.58	.758
72	46.33	11.155	198	69.26	6.166	323	92.01	2.407	448	114.76	.748
73	46.51	11.120	199	69.44	6.129	324	92.19	2.390	449	114.94	.737
74	46.69	11.085	200	69.63	6.092	325	92.38	2.374	450	115.13	.727
75	46.88	11.050	201	69.81	6.055	326	92.56	2.358	451	115.31	.716
76	47.06	11.014	202	69.99	6.018	327	92.74	2.342	452	115.49	.706
77	47.24	10.977	203	70.17	5.981	328	92.92	2.326	453	115.67	.695
78	47.42	10.939	204	70.35	5.944	329	93.10	2.310	454	115.85	.684
79	47.60	10.901	205	70.54	5.907	330	93.29	2.294	455	116.04	.673
80	47.79	10.862	206	70.72	5.870	331	93.47	2.277	456	116.22	.662
81	47.97	10.822	207	70.90	5.834	332	93.65	2.261	457	116.40	.651
82	48.15	10.781	208	71.08	5.798	333	93.83	2.245	458	116.58	.639
83	48.33	10.739	209	71.26	5.762	334	94.01	2.230	459	116.76	.628
84	48.51	10.697	210	71.45	5.727	335	94.20	2.214	460	116.95	.616
85	48.70	10.654	211	71.63	5.692	336	94.38	2.198	461	117.13	.604
86	48.88	10.611	212	71.81	5.657	337	94.56	2.182	462	117.31	.592
87	49.06	10.568	213	71.99	5.622	338	94.74	2.166	463	117.49	.580
88	49.24	10.525	214	72.17	5.586	339	94.92	2.150	464	117.67	.568
89	49.42	10.483	215	72.36	5.550	340	95.11	2.134	465	117.86	.556
90	49.61	10.440	216	72.54	5.513	341	95.29	2.119	466	118.04	.543
91	49.79	10.399	217	72.72	5.477	342	95.47	2.103	467	118.22	.530
92	49.97	10.360	218	72.90	5.440	343	95.65	2.088	468	118.40	.518
93	50.15	10.322	219	73.08	5.402	344	95.83	2.072	469	118.58	.505
94	50.33	10.285	220	73.27	5.364	345	96.02	2.057	470	118.77	.492
95	50.52	10.251	221	73.45	5.325	346	96.20	2.041	471	118.95	.478
96	50.70	10.218	222	73.63	5.286	347	96.38	2.026	472	119.13	.465
97	50.88	10.185	223	73.81	5.247	348	96.56	2.010	473	119.31	.452
98	51.06	10.152	224	73.99	5.208	349	96.74	1.995	474	119.49	.438
99	51.24	10.119	225	74.18	5.168	350	96.93	1.980	475	119.68	.424
100	51.43	10.086	226	74.36	5.128	351	97.11	1.964	476	119.86	.410
101	51.61	10.053	227	74.54	5.088	352	97.29	1.949	477	120.04	.396
102	51.79	10.020	228	74.72	5.048	353	97.47	1.934	478	120.22	.382
103	51.97	9.985	229	74.90	5.009	354	97.65	1.919	479	120.40	.368

104	52.15	9.950	230	75.09	4.969	355	97.84	1.903	480	120.59	.353
105	52.34	9.914	231	75.27	4.931	356	98.02	1.888	481	120.77	.338
106	52.52	9.877	232	75.45	4.893	357	98.20	1.873	482	120.95	.324
107	52.70	9.839	233	75.63	4.855	358	98.38	1.858	483	121.13	.309
108	52.88	9.802	234	75.81	4.818	359	98.56	1.843	484	121.31	.294
109	53.06	9.765	235	76.00	4.781	360	98.75	1.828	485	121.50	.279
110	53.25	9.729	236	76.18	4.745	361	98.93	1.813	486	121.68	.264
111	53.43	9.694	237	76.36	4.709	362	99.11	1.798	487	121.86	.248
112	53.61	9.660	238	76.54	4.673	363	99.29	1.783	488	122.04	.233
113	53.79	9.625	239	76.72	4.639	364	99.47	1.768	489	122.22	.217
114	53.97	9.591	240	76.91	4.604	365	99.66	1.753	490	122.41	.201
115	54.16	9.557	241	77.09	4.570	366	99.84	1.738	491	122.59	.185
116	54.34	9.522	242	77.27	4.536	367	100.02	1.724	492	122.77	.169
117	54.52	9.487	243	77.45	4.502	368	100.20	1.709	493	122.95	.153
118	54.70	9.453	244	77.63	4.468	369	100.38	1.694	494	123.13	.137
119	54.88	9.417	245	77.82	4.434	370	100.57	1.680	495	123.32	.120
120	55.07	9.382	246	78.00	4.400	371	100.75	1.665	496	123.50	.103
121	55.25	9.346	247	78.18	4.367	372	100.93	1.650	497	123.68	.087
122	55.43	9.310	248	78.36	4.333	373	101.11	1.636	498	123.86	.070
123	55.61	9.274	249	78.54	4.300	374	101.29	1.621	499	124.04	.052
124	55.79	9.237	250	78.73	4.267	375	101.48	1.607	500	124.23	.035
125	55.98	9.200	251	78.91	4.235	376	101.66	1.592	501	124.41	.018
126	56.16	9.163									

1**********

****

********** **********

********** STEADY STATE NBOD INPUT CONDITIONS **********

********** **********

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	43.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000

19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	64.500	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	64.500	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	64.500	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	43.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	64.500	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	64.500
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	64.500	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000

71	46.15	.000	197	69.08	.000	322	91.83	64.500	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	64.500	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	8.800	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	64.500	212	71.81	.000	337	94.56	64.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	64.500
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	43.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	64.500	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	64.500	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	1.848	243	77.45	8.600	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	43.000

123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	2.924
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Summer Projections (Mar-Nov), 5 DO criterion **********

****

********** STEADY STATE NBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 319.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	1.285	127	56.34	1.733	252	79.09	2.247	377	101.84	2.686
2	33.59	1.288	128	56.52	1.737	253	79.27	2.252	378	102.02	2.689
3	33.77	1.258	129	56.70	1.742	254	79.45	2.257	379	102.20	2.692
4	33.95	1.258	130	56.89	1.746	255	79.64	2.262	380	102.39	2.694
5	34.14	1.261	131	57.07	1.751	256	79.82	2.267	381	102.57	2.697
6	34.32	1.264	132	57.25	1.756	257	80.00	2.272	382	102.75	2.700
7	34.50	1.267	133	57.43	1.760	258	80.18	2.277	383	102.93	2.702
8	34.68	1.271	134	57.61	1.765	259	80.36	2.282	384	103.11	2.705
9	34.86	1.274	135	57.80	1.770	260	80.55	2.287	385	103.30	2.708
10	35.05	1.277	136	57.98	1.792	261	80.73	2.292	386	103.48	2.710
11	35.23	1.280	137	58.16	1.801	262	80.91	2.297	387	103.66	2.713
12	35.41	1.284	138	58.34	1.807	263	81.09	2.302	388	103.84	2.715
13	35.59	1.287	139	58.52	1.812	264	81.27	2.307	389	104.02	2.718
14	35.77	1.290	140	58.71	1.817	265	81.46	2.312	390	104.21	2.721
15	35.96	1.293	141	58.89	1.822	266	81.64	2.316	391	104.39	2.723
16	36.14	1.297	142	59.07	1.827	267	81.82	2.321	392	104.57	2.726
17	36.32	1.300	143	59.25	1.833	268	82.00	2.326	393	104.75	2.729
18	36.50	1.303	144	59.43	1.838	269	82.18	2.331	394	104.93	2.731
19	36.68	1.307	145	59.62	1.843	270	82.37	2.336	395	105.12	2.734
20	36.87	1.310	146	59.80	1.849	271	82.55	2.341	396	105.30	2.737
21	37.05	1.313	147	59.98	1.854	272	82.73	2.346	397	105.48	2.740
22	37.23	1.317	148	60.16	1.860	273	82.91	2.350	398	105.66	2.741
23	37.41	1.320	149	60.34	1.865	274	83.09	2.355	399	105.84	2.743
24	37.59	1.323	150	60.53	1.871	275	83.28	2.360	400	106.03	2.745
25	37.78	1.327	151	60.71	1.877	276	83.46	2.365	401	106.21	2.747
26	37.96	1.330	152	60.89	1.883	277	83.64	2.370	402	106.39	2.749
27	38.14	1.334	153	61.07	1.888	278	83.82	2.374	403	106.57	2.751
28	38.32	1.336	154	61.25	1.894	279	84.00	2.379	404	106.75	2.753
29	38.50	1.340	155	61.44	1.900	280	84.19	2.384	405	106.94	2.755
30	38.69	1.344	156	61.62	1.906	281	84.37	2.388	406	107.12	2.757
31	38.87	1.347	157	61.80	1.912	282	84.55	2.393	407	107.30	2.759
32	39.05	1.351	158	61.98	1.918	283	84.73	2.398	408	107.48	2.761
33	39.23	1.355	159	62.16	1.918	284	84.91	2.402	409	107.66	2.763
34	39.41	1.359	160	62.35	1.923	285	85.10	2.407	410	107.85	2.765

35	39.60	1.363	161	62.53	1.929	286	85.28	2.412	411	108.03	2.767
36	39.78	1.366	162	62.71	1.935	287	85.46	2.416	412	108.21	2.770
37	39.96	1.370	163	62.89	1.941	288	85.64	2.421	413	108.39	2.772
38	40.14	1.374	164	63.07	1.947	289	85.82	2.426	414	108.57	2.774
39	40.32	1.378	165	63.26	1.952	290	86.01	2.430	415	108.76	2.776
40	40.51	1.382	166	63.44	1.958	291	86.19	2.435	416	108.94	2.778
41	40.69	1.386	167	63.62	1.964	292	86.37	2.439	417	109.12	2.780
42	40.87	1.390	168	63.80	1.970	293	86.55	2.444	418	109.30	2.782
43	41.05	1.394	169	63.98	1.956	294	86.73	2.448	419	109.48	2.785
44	41.23	1.398	170	64.17	1.958	295	86.92	2.453	420	109.67	2.787
45	41.42	1.402	171	64.35	1.963	296	87.10	2.458	421	109.85	2.789
46	41.60	1.405	172	64.53	1.969	297	87.28	2.462	422	110.03	2.791
47	41.78	1.409	173	64.71	1.974	298	87.46	2.467	423	110.21	2.793
48	41.96	1.413	174	64.89	1.980	299	87.64	2.471	424	110.39	2.796
49	42.14	1.417	175	65.08	1.986	300	87.83	2.476	425	110.58	2.798
50	42.33	1.421	176	65.26	1.992	301	88.01	2.479	426	110.76	2.800
51	42.51	1.426	177	65.44	1.998	302	88.19	2.482	427	110.94	2.802
52	42.69	1.430	178	65.62	2.003	303	88.37	2.485	428	111.12	2.804
53	42.87	1.434	179	65.80	2.009	304	88.55	2.488	429	111.30	2.806
54	43.05	1.438	180	65.99	2.015	305	88.74	2.486	430	111.49	2.809
55	43.24	1.442	181	66.17	2.021	306	88.92	2.489	431	111.67	2.811
56	43.42	1.446	182	66.35	2.026	307	89.10	2.492	432	111.85	2.813
57	43.60	1.451	183	66.53	2.032	308	89.28	2.495	433	112.03	2.815
58	43.78	1.455	184	66.71	2.038	309	89.46	2.498	434	112.21	2.817
59	43.96	1.459	185	66.90	2.043	310	89.65	2.501	435	112.40	2.819
60	44.15	1.463	186	67.08	2.049	311	89.83	2.504	436	112.58	2.821
61	44.33	1.467	187	67.26	2.055	312	90.01	2.507	437	112.76	2.823
62	44.51	1.470	188	67.44	2.060	313	90.19	2.510	438	112.94	2.825
63	44.69	1.474	189	67.62	2.066	314	90.37	2.513	439	113.12	2.827
64	44.87	1.478	190	67.81	2.071	315	90.56	2.515	440	113.31	2.828
65	45.06	1.482	191	67.99	2.077	316	90.74	2.518	441	113.49	2.830
66	45.24	1.486	192	68.17	2.083	317	90.92	2.523	442	113.67	2.832
67	45.42	1.489	193	68.35	2.088	318	91.10	2.526	443	113.85	2.834
68	45.60	1.489	194	68.53	2.094	319	91.28	2.529	444	114.03	2.836
69	45.78	1.492	195	68.72	2.099	320	91.47	2.532	445	114.22	2.838
70	45.97	1.496	196	68.90	2.104	321	91.65	2.535	446	114.40	2.840
71	46.15	1.500	197	69.08	2.110	322	91.83	2.538	447	114.58	2.842
72	46.33	1.503	198	69.26	2.115	323	92.01	2.540	448	114.76	2.844
73	46.51	1.507	199	69.44	2.121	324	92.19	2.543	449	114.94	2.846
74	46.69	1.511	200	69.63	2.126	325	92.38	2.546	450	115.13	2.848
75	46.88	1.511	201	69.81	2.132	326	92.56	2.548	451	115.31	2.850
76	47.06	1.515	202	69.99	2.137	327	92.74	2.551	452	115.49	2.852
77	47.24	1.518	203	70.17	2.142	328	92.92	2.554	453	115.67	2.854
78	47.42	1.522	204	70.35	2.148	329	93.10	2.557	454	115.85	2.856
79	47.60	1.526	205	70.54	2.153	330	93.29	2.560	455	116.04	2.858
80	47.79	1.530	206	70.72	2.159	331	93.47	2.563	456	116.22	2.860
81	47.97	1.535	207	70.90	2.165	332	93.65	2.566	457	116.40	2.863
82	48.15	1.539	208	71.08	2.170	333	93.83	2.568	458	116.58	2.865
83	48.33	1.543	209	71.26	2.176	334	94.01	2.571	459	116.76	2.867
84	48.51	1.548	210	71.45	2.181	335	94.20	2.574	460	116.95	2.870
85	48.70	1.552	211	71.63	2.142	336	94.38	2.577	461	117.13	2.872
86	48.88	1.557	212	71.81	2.143	337	94.56	2.580	462	117.31	2.874

87	49.06	1.561	213	71.99	2.148	338	94.74	2.582	463	117.49	2.877
88	49.24	1.566	214	72.17	2.153	339	94.92	2.585	464	117.67	2.879
89	49.42	1.570	215	72.36	2.158	340	95.11	2.587	465	117.86	2.879
90	49.61	1.575	216	72.54	2.164	341	95.29	2.590	466	118.04	2.875
91	49.79	1.580	217	72.72	2.169	342	95.47	2.593	467	118.22	2.878
92	49.97	1.584	218	72.90	2.175	343	95.65	2.596	468	118.40	2.880
93	50.15	1.588	219	73.08	2.180	344	95.83	2.599	469	118.58	2.883
94	50.33	1.591	220	73.27	2.186	345	96.02	2.601	470	118.77	2.885
95	50.52	1.594	221	73.45	2.192	346	96.20	2.604	471	118.95	2.888
96	50.70	1.598	222	73.63	2.198	347	96.38	2.607	472	119.13	2.891
97	50.88	1.602	223	73.81	2.204	348	96.56	2.610	473	119.31	2.893
98	51.06	1.605	224	73.99	2.210	349	96.74	2.612	474	119.49	2.896
99	51.24	1.609	225	74.18	2.216	350	96.93	2.615	475	119.68	2.899
100	51.43	1.613	226	74.36	2.222	351	97.11	2.618	476	119.86	2.902
101	51.61	1.616	227	74.54	2.228	352	97.29	2.621	477	120.04	2.905
102	51.79	1.620	228	74.72	2.234	353	97.47	2.623	478	120.22	2.907
103	51.97	1.624	229	74.90	2.240	354	97.65	2.626	479	120.40	2.910
104	52.15	1.628	230	75.09	2.246	355	97.84	2.629	480	120.59	2.913
105	52.34	1.632	231	75.27	2.252	356	98.02	2.632	481	120.77	2.916
106	52.52	1.636	232	75.45	2.258	357	98.20	2.635	482	120.95	2.919
107	52.70	1.640	233	75.63	2.264	358	98.38	2.637	483	121.13	2.922
108	52.88	1.644	234	75.81	2.270	359	98.56	2.638	484	121.31	2.925
109	53.06	1.649	235	76.00	2.276	360	98.75	2.640	485	121.50	2.928
110	53.25	1.653	236	76.18	2.282	361	98.93	2.643	486	121.68	2.931
111	53.43	1.657	237	76.36	2.287	362	99.11	2.646	487	121.86	2.934
112	53.61	1.661	238	76.54	2.293	363	99.29	2.649	488	122.04	2.937
113	53.79	1.665	239	76.72	2.298	364	99.47	2.651	489	122.22	2.941
114	53.97	1.669	240	76.91	2.304	365	99.66	2.654	490	122.41	2.944
115	54.16	1.673	241	77.09	2.309	366	99.84	2.657	491	122.59	2.947
116	54.34	1.677	242	77.27	2.315	367	100.02	2.659	492	122.77	2.950
117	54.52	1.681	243	77.45	2.320	368	100.20	2.662	493	122.95	2.954
118	54.70	1.684	244	77.63	2.217	369	100.38	2.665	494	123.13	2.957
119	54.88	1.688	245	77.82	2.212	370	100.57	2.668	495	123.32	2.960
120	55.07	1.701	246	78.00	2.216	371	100.75	2.670	496	123.50	2.964
121	55.25	1.706	247	78.18	2.221	372	100.93	2.673	497	123.68	2.967
122	55.43	1.711	248	78.36	2.226	373	101.11	2.676	498	123.86	2.971
123	55.61	1.715	249	78.54	2.231	374	101.29	2.678	499	124.04	2.916
124	55.79	1.720	250	78.73	2.236	375	101.48	2.681	500	124.23	2.917
125	55.98	1.724	251	78.91	2.241	376	101.66	2.684	501	124.41	2.920
126	56.16	1.728									

1**********

****

****

********** STEADY STATE CBOD INPUT CONDITIONS **********

****

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0

JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000

2	33.59	23.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	11.500	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	103.500	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	69.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000
37	39.96	.000	163	62.89	103.500	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	23.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	69.000	429	111.30	.000

54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	69.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	69.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	103.500	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	69.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	6.700	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	103.500	212	71.81	.000	337	94.56	103.500	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	69.000
89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	23.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	103.500	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000

106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	69.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.060	243	77.45	11.500	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	41.400	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	23.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	4.360
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Summer Projections (Mar-Nov), 5 DO criterion **********

****

********** STEADY STATE CBOD CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 319.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.549	127	56.34	1.021	252	79.09	1.995	377	101.84	3.264
2	33.59	.553	128	56.52	1.028	253	79.27	2.007	378	102.02	3.273
3	33.77	.539	129	56.70	1.035	254	79.45	2.019	379	102.20	3.282
4	33.95	.541	130	56.89	1.043	255	79.64	2.031	380	102.39	3.290
5	34.14	.545	131	57.07	1.050	256	79.82	2.044	381	102.57	3.299
6	34.32	.549	132	57.25	1.058	257	80.00	2.056	382	102.75	3.308
7	34.50	.552	133	57.43	1.065	258	80.18	2.069	383	102.93	3.317
8	34.68	.556	134	57.61	1.073	259	80.36	2.081	384	103.11	3.326
9	34.86	.560	135	57.80	1.081	260	80.55	2.093	385	103.30	3.335
10	35.05	.564	136	57.98	.986	261	80.73	2.106	386	103.48	3.343
11	35.23	.568	137	58.16	.973	262	80.91	2.118	387	103.66	3.352
12	35.41	.572	138	58.34	.976	263	81.09	2.131	388	103.84	3.361
13	35.59	.576	139	58.52	.983	264	81.27	2.143	389	104.02	3.370
14	35.77	.580	140	58.71	.991	265	81.46	2.156	390	104.21	3.379
15	35.96	.584	141	58.89	.998	266	81.64	2.168	391	104.39	3.388
16	36.14	.588	142	59.07	1.006	267	81.82	2.181	392	104.57	3.397
17	36.32	.592	143	59.25	1.014	268	82.00	2.193	393	104.75	3.406

18	36.50	.596	144	59.43	1.022	269	82.18	2.206	394	104.93	3.415
19	36.68	.601	145	59.62	1.031	270	82.37	2.218	395	105.12	3.425
20	36.87	.605	146	59.80	1.039	271	82.55	2.231	396	105.30	3.434
21	37.05	.609	147	59.98	1.047	272	82.73	2.244	397	105.48	3.443
22	37.23	.613	148	60.16	1.056	273	82.91	2.256	398	105.66	3.450
23	37.41	.618	149	60.34	1.064	274	83.09	2.269	399	105.84	3.457
24	37.59	.622	150	60.53	1.073	275	83.28	2.281	400	106.03	3.463
25	37.78	.626	151	60.71	1.082	276	83.46	2.294	401	106.21	3.470
26	37.96	.631	152	60.89	1.091	277	83.64	2.307	402	106.39	3.477
27	38.14	.635	153	61.07	1.100	278	83.82	2.319	403	106.57	3.484
28	38.32	.638	154	61.25	1.110	279	84.00	2.332	404	106.75	3.490
29	38.50	.643	155	61.44	1.119	280	84.19	2.345	405	106.94	3.497
30	38.69	.648	156	61.62	1.129	281	84.37	2.357	406	107.12	3.504
31	38.87	.652	157	61.80	1.138	282	84.55	2.370	407	107.30	3.511
32	39.05	.657	158	61.98	1.148	283	84.73	2.383	408	107.48	3.518
33	39.23	.663	159	62.16	1.152	284	84.91	2.395	409	107.66	3.526
34	39.41	.668	160	62.35	1.160	285	85.10	2.408	410	107.85	3.533
35	39.60	.673	161	62.53	1.170	286	85.28	2.421	411	108.03	3.540
36	39.78	.678	162	62.71	1.180	287	85.46	2.433	412	108.21	3.547
37	39.96	.683	163	62.89	1.190	288	85.64	2.446	413	108.39	3.555
38	40.14	.689	164	63.07	1.199	289	85.82	2.459	414	108.57	3.562
39	40.32	.694	165	63.26	1.209	290	86.01	2.471	415	108.76	3.570
40	40.51	.699	166	63.44	1.219	291	86.19	2.484	416	108.94	3.577
41	40.69	.705	167	63.62	1.230	292	86.37	2.497	417	109.12	3.585
42	40.87	.710	168	63.80	1.240	293	86.55	2.510	418	109.30	3.592
43	41.05	.716	169	63.98	1.239	294	86.73	2.523	419	109.48	3.600
44	41.23	.721	170	64.17	1.247	295	86.92	2.535	420	109.67	3.608
45	41.42	.727	171	64.35	1.257	296	87.10	2.548	421	109.85	3.616
46	41.60	.732	172	64.53	1.267	297	87.28	2.561	422	110.03	3.624
47	41.78	.738	173	64.71	1.278	298	87.46	2.574	423	110.21	3.631
48	41.96	.743	174	64.89	1.288	299	87.64	2.587	424	110.39	3.639
49	42.14	.749	175	65.08	1.298	300	87.83	2.599	425	110.58	3.647
50	42.33	.755	176	65.26	1.309	301	88.01	2.608	426	110.76	3.655
51	42.51	.761	177	65.44	1.319	302	88.19	2.617	427	110.94	3.663
52	42.69	.767	178	65.62	1.329	303	88.37	2.626	428	111.12	3.670
53	42.87	.774	179	65.80	1.340	304	88.55	2.635	429	111.30	3.678
54	43.05	.780	180	65.99	1.350	305	88.74	2.638	430	111.49	3.686
55	43.24	.786	181	66.17	1.361	306	88.92	2.647	431	111.67	3.693
56	43.42	.792	182	66.35	1.371	307	89.10	2.656	432	111.85	3.701
57	43.60	.798	183	66.53	1.382	308	89.28	2.664	433	112.03	3.709
58	43.78	.804	184	66.71	1.392	309	89.46	2.673	434	112.21	3.716
59	43.96	.810	185	66.90	1.403	310	89.65	2.681	435	112.40	3.724
60	44.15	.816	186	67.08	1.414	311	89.83	2.690	436	112.58	3.731
61	44.33	.822	187	67.26	1.424	312	90.01	2.699	437	112.76	3.739
62	44.51	.828	188	67.44	1.435	313	90.19	2.707	438	112.94	3.746
63	44.69	.834	189	67.62	1.445	314	90.37	2.716	439	113.12	3.753
64	44.87	.840	190	67.81	1.456	315	90.56	2.724	440	113.31	3.759
65	45.06	.846	191	67.99	1.467	316	90.74	2.733	441	113.49	3.766
66	45.24	.852	192	68.17	1.477	317	90.92	2.744	442	113.67	3.773
67	45.42	.858	193	68.35	1.488	318	91.10	2.752	443	113.85	3.780
68	45.60	.859	194	68.53	1.499	319	91.28	2.761	444	114.03	3.787
69	45.78	.865	195	68.72	1.509	320	91.47	2.770	445	114.22	3.794

70	45.97	.870	196	68.90	1.520	321	91.65	2.778	446	114.40	3.802
71	46.15	.876	197	69.08	1.531	322	91.83	2.787	447	114.58	3.809
72	46.33	.882	198	69.26	1.542	323	92.01	2.795	448	114.76	3.816
73	46.51	.888	199	69.44	1.552	324	92.19	2.803	449	114.94	3.824
74	46.69	.894	200	69.63	1.563	325	92.38	2.812	450	115.13	3.831
75	46.88	.897	201	69.81	1.574	326	92.56	2.820	451	115.31	3.839
76	47.06	.902	202	69.99	1.585	327	92.74	2.829	452	115.49	3.847
77	47.24	.908	203	70.17	1.596	328	92.92	2.838	453	115.67	3.855
78	47.42	.915	204	70.35	1.607	329	93.10	2.846	454	115.85	3.863
79	47.60	.921	205	70.54	1.618	330	93.29	2.855	455	116.04	3.871
80	47.79	.928	206	70.72	1.630	331	93.47	2.864	456	116.22	3.879
81	47.97	.935	207	70.90	1.641	332	93.65	2.872	457	116.40	3.887
82	48.15	.942	208	71.08	1.653	333	93.83	2.881	458	116.58	3.895
83	48.33	.949	209	71.26	1.664	334	94.01	2.890	459	116.76	3.904
84	48.51	.957	210	71.45	1.675	335	94.20	2.898	460	116.95	3.912
85	48.70	.965	211	71.63	1.653	336	94.38	2.907	461	117.13	3.921
86	48.88	.972	212	71.81	1.661	337	94.56	2.916	462	117.31	3.930
87	49.06	.980	213	71.99	1.672	338	94.74	2.923	463	117.49	3.939
88	49.24	.988	214	72.17	1.683	339	94.92	2.932	464	117.67	3.948
89	49.42	.996	215	72.36	1.694	340	95.11	2.941	465	117.86	3.954
90	49.61	1.003	216	72.54	1.706	341	95.29	2.949	466	118.04	3.961
91	49.79	1.011	217	72.72	1.718	342	95.47	2.958	467	118.22	3.970
92	49.97	1.019	218	72.90	1.730	343	95.65	2.967	468	118.40	3.980
93	50.15	1.027	219	73.08	1.742	344	95.83	2.975	469	118.58	3.990
94	50.33	1.031	220	73.27	1.754	345	96.02	2.984	470	118.77	3.999
95	50.52	1.038	221	73.45	1.767	346	96.20	2.993	471	118.95	4.009
96	50.70	1.044	222	73.63	1.780	347	96.38	3.002	472	119.13	4.019
97	50.88	1.051	223	73.81	1.793	348	96.56	3.010	473	119.31	4.030
98	51.06	1.057	224	73.99	1.807	349	96.74	3.019	474	119.49	4.040
99	51.24	1.064	225	74.18	1.820	350	96.93	3.028	475	119.68	4.051
100	51.43	1.070	226	74.36	1.834	351	97.11	3.037	476	119.86	4.061
101	51.61	1.077	227	74.54	1.848	352	97.29	3.045	477	120.04	4.072
102	51.79	1.084	228	74.72	1.862	353	97.47	3.054	478	120.22	4.083
103	51.97	1.091	229	74.90	1.876	354	97.65	3.063	479	120.40	4.094
104	52.15	1.098	230	75.09	1.890	355	97.84	3.072	480	120.59	4.105
105	52.34	1.105	231	75.27	1.903	356	98.02	3.081	481	120.77	4.117
106	52.52	1.113	232	75.45	1.917	357	98.20	3.089	482	120.95	4.128
107	52.70	1.121	233	75.63	1.931	358	98.38	3.098	483	121.13	4.140
108	52.88	1.129	234	75.81	1.944	359	98.56	3.105	484	121.31	4.151
109	53.06	1.137	235	76.00	1.958	360	98.75	3.114	485	121.50	4.163
110	53.25	1.145	236	76.18	1.971	361	98.93	3.122	486	121.68	4.175
111	53.43	1.152	237	76.36	1.985	362	99.11	3.131	487	121.86	4.187
112	53.61	1.160	238	76.54	1.998	363	99.29	3.140	488	122.04	4.200
113	53.79	1.167	239	76.72	2.011	364	99.47	3.149	489	122.22	4.212
114	53.97	1.175	240	76.91	2.025	365	99.66	3.158	490	122.41	4.224
115	54.16	1.182	241	77.09	2.038	366	99.84	3.166	491	122.59	4.237
116	54.34	1.190	242	77.27	2.051	367	100.02	3.175	492	122.77	4.250
117	54.52	1.198	243	77.45	2.064	368	100.20	3.184	493	122.95	4.263
118	54.70	1.203	244	77.63	1.914	369	100.38	3.193	494	123.13	4.276
119	54.88	1.210	245	77.82	1.911	370	100.57	3.202	495	123.32	4.290
120	55.07	1.016	246	78.00	1.922	371	100.75	3.211	496	123.50	4.303
121	55.25	.987	247	78.18	1.934	372	100.93	3.219	497	123.68	4.317

122	55.43	.987	248	78.36	1.946	373	101.11	3.228	498	123.86	4.331
123	55.61	.993	249	78.54	1.958	374	101.29	3.237	499	124.04	4.318
124	55.79	1.000	250	78.73	1.970	375	101.48	3.246	500	124.23	4.331
125	55.98	1.007	251	78.91	1.982	376	101.66	3.255	501	124.41	4.345
126	56.16	1.014									

1**********

****

********** **********

********** STEADY STATE DO INPUT CONDITIONS **********

********** **********

****

****

0

0********** POINT SOURCE INFLOW CONCENTRATIONS (PPM) **********

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE
1	33.41	.000	127	56.34	.000	252	79.09	.000	377	101.84	.000
2	33.59	2.000	128	56.52	.000	253	79.27	.000	378	102.02	.000
3	33.77	.000	129	56.70	.000	254	79.45	.000	379	102.20	.000
4	33.95	.000	130	56.89	.000	255	79.64	.000	380	102.39	.000
5	34.14	.000	131	57.07	.000	256	79.82	.000	381	102.57	.000
6	34.32	.000	132	57.25	.000	257	80.00	.000	382	102.75	.000
7	34.50	.000	133	57.43	.000	258	80.18	.000	383	102.93	.000
8	34.68	.000	134	57.61	.000	259	80.36	.000	384	103.11	.000
9	34.86	.000	135	57.80	5.000	260	80.55	.000	385	103.30	.000
10	35.05	.000	136	57.98	.000	261	80.73	.000	386	103.48	.000
11	35.23	.000	137	58.16	.000	262	80.91	.000	387	103.66	.000
12	35.41	.000	138	58.34	.000	263	81.09	.000	388	103.84	.000
13	35.59	.000	139	58.52	.000	264	81.27	.000	389	104.02	.000
14	35.77	.000	140	58.71	.000	265	81.46	.000	390	104.21	.000
15	35.96	.000	141	58.89	.000	266	81.64	.000	391	104.39	.000
16	36.14	.000	142	59.07	.000	267	81.82	.000	392	104.57	.000
17	36.32	.000	143	59.25	.000	268	82.00	.000	393	104.75	.000
18	36.50	.000	144	59.43	.000	269	82.18	.000	394	104.93	.000
19	36.68	.000	145	59.62	.000	270	82.37	.000	395	105.12	.000
20	36.87	.000	146	59.80	.000	271	82.55	.000	396	105.30	.000
21	37.05	.000	147	59.98	.000	272	82.73	.000	397	105.48	.000
22	37.23	.000	148	60.16	.000	273	82.91	.000	398	105.66	.000
23	37.41	.000	149	60.34	.000	274	83.09	.000	399	105.84	.000
24	37.59	.000	150	60.53	.000	275	83.28	.000	400	106.03	.000
25	37.78	.000	151	60.71	.000	276	83.46	.000	401	106.21	.000
26	37.96	.000	152	60.89	.000	277	83.64	.000	402	106.39	.000
27	38.14	2.000	153	61.07	.000	278	83.82	.000	403	106.57	.000
28	38.32	.000	154	61.25	.000	279	84.00	.000	404	106.75	.000
29	38.50	.000	155	61.44	.000	280	84.19	.000	405	106.94	.000
30	38.69	.000	156	61.62	.000	281	84.37	.000	406	107.12	.000
31	38.87	.000	157	61.80	.000	282	84.55	.000	407	107.30	.000
32	39.05	.000	158	61.98	2.000	283	84.73	.000	408	107.48	.000
33	39.23	.000	159	62.16	.000	284	84.91	.000	409	107.66	.000
34	39.41	.000	160	62.35	.000	285	85.10	.000	410	107.85	.000
35	39.60	.000	161	62.53	.000	286	85.28	.000	411	108.03	.000
36	39.78	.000	162	62.71	.000	287	85.46	.000	412	108.21	.000

37	39.96	.000	163	62.89	2.000	288	85.64	.000	413	108.39	.000
38	40.14	.000	164	63.07	.000	289	85.82	.000	414	108.57	.000
39	40.32	.000	165	63.26	.000	290	86.01	.000	415	108.76	.000
40	40.51	.000	166	63.44	.000	291	86.19	.000	416	108.94	.000
41	40.69	.000	167	63.62	.000	292	86.37	.000	417	109.12	.000
42	40.87	.000	168	63.80	2.000	293	86.55	.000	418	109.30	.000
43	41.05	.000	169	63.98	.000	294	86.73	.000	419	109.48	.000
44	41.23	.000	170	64.17	.000	295	86.92	.000	420	109.67	.000
45	41.42	.000	171	64.35	.000	296	87.10	.000	421	109.85	.000
46	41.60	.000	172	64.53	.000	297	87.28	.000	422	110.03	.000
47	41.78	.000	173	64.71	.000	298	87.46	.000	423	110.21	.000
48	41.96	.000	174	64.89	.000	299	87.64	.000	424	110.39	.000
49	42.14	.000	175	65.08	.000	300	87.83	.000	425	110.58	.000
50	42.33	.000	176	65.26	.000	301	88.01	.000	426	110.76	.000
51	42.51	.000	177	65.44	.000	302	88.19	.000	427	110.94	.000
52	42.69	.000	178	65.62	.000	303	88.37	.000	428	111.12	.000
53	42.87	.000	179	65.80	.000	304	88.55	2.000	429	111.30	.000
54	43.05	.000	180	65.99	.000	305	88.74	.000	430	111.49	.000
55	43.24	.000	181	66.17	.000	306	88.92	.000	431	111.67	.000
56	43.42	.000	182	66.35	.000	307	89.10	.000	432	111.85	.000
57	43.60	.000	183	66.53	.000	308	89.28	.000	433	112.03	.000
58	43.78	.000	184	66.71	.000	309	89.46	.000	434	112.21	.000
59	43.96	.000	185	66.90	.000	310	89.65	.000	435	112.40	.000
60	44.15	.000	186	67.08	.000	311	89.83	.000	436	112.58	.000
61	44.33	.000	187	67.26	.000	312	90.01	.000	437	112.76	.000
62	44.51	.000	188	67.44	.000	313	90.19	.000	438	112.94	.000
63	44.69	.000	189	67.62	.000	314	90.37	.000	439	113.12	2.000
64	44.87	.000	190	67.81	.000	315	90.56	.000	440	113.31	.000
65	45.06	.000	191	67.99	.000	316	90.74	2.000	441	113.49	.000
66	45.24	.000	192	68.17	.000	317	90.92	.000	442	113.67	.000
67	45.42	2.000	193	68.35	.000	318	91.10	.000	443	113.85	.000
68	45.60	.000	194	68.53	.000	319	91.28	.000	444	114.03	.000
69	45.78	.000	195	68.72	.000	320	91.47	.000	445	114.22	.000
70	45.97	.000	196	68.90	.000	321	91.65	.000	446	114.40	.000
71	46.15	.000	197	69.08	.000	322	91.83	2.000	447	114.58	.000
72	46.33	.000	198	69.26	.000	323	92.01	.000	448	114.76	.000
73	46.51	.000	199	69.44	.000	324	92.19	.000	449	114.94	.000
74	46.69	2.000	200	69.63	.000	325	92.38	.000	450	115.13	.000
75	46.88	.000	201	69.81	.000	326	92.56	.000	451	115.31	.000
76	47.06	.000	202	69.99	.000	327	92.74	.000	452	115.49	.000
77	47.24	.000	203	70.17	.000	328	92.92	.000	453	115.67	.000
78	47.42	.000	204	70.35	.000	329	93.10	.000	454	115.85	.000
79	47.60	.000	205	70.54	.000	330	93.29	.000	455	116.04	.000
80	47.79	.000	206	70.72	.000	331	93.47	.000	456	116.22	.000
81	47.97	.000	207	70.90	.000	332	93.65	.000	457	116.40	.000
82	48.15	.000	208	71.08	.000	333	93.83	.000	458	116.58	.000
83	48.33	.000	209	71.26	.000	334	94.01	.000	459	116.76	.000
84	48.51	.000	210	71.45	5.000	335	94.20	.000	460	116.95	.000
85	48.70	.000	211	71.63	.000	336	94.38	.000	461	117.13	.000
86	48.88	2.000	212	71.81	.000	337	94.56	2.000	462	117.31	.000
87	49.06	.000	213	71.99	.000	338	94.74	.000	463	117.49	.000
88	49.24	.000	214	72.17	.000	339	94.92	.000	464	117.67	2.000

89	49.42	.000	215	72.36	.000	340	95.11	.000	465	117.86	2.000
90	49.61	.000	216	72.54	.000	341	95.29	.000	466	118.04	.000
91	49.79	.000	217	72.72	.000	342	95.47	.000	467	118.22	.000
92	49.97	.000	218	72.90	.000	343	95.65	.000	468	118.40	.000
93	50.15	2.000	219	73.08	.000	344	95.83	.000	469	118.58	.000
94	50.33	.000	220	73.27	.000	345	96.02	.000	470	118.77	.000
95	50.52	.000	221	73.45	.000	346	96.20	.000	471	118.95	.000
96	50.70	.000	222	73.63	.000	347	96.38	.000	472	119.13	.000
97	50.88	.000	223	73.81	.000	348	96.56	.000	473	119.31	.000
98	51.06	.000	224	73.99	.000	349	96.74	.000	474	119.49	.000
99	51.24	.000	225	74.18	.000	350	96.93	.000	475	119.68	.000
100	51.43	.000	226	74.36	.000	351	97.11	.000	476	119.86	.000
101	51.61	.000	227	74.54	.000	352	97.29	.000	477	120.04	.000
102	51.79	.000	228	74.72	.000	353	97.47	.000	478	120.22	.000
103	51.97	.000	229	74.90	.000	354	97.65	.000	479	120.40	.000
104	52.15	.000	230	75.09	.000	355	97.84	.000	480	120.59	.000
105	52.34	.000	231	75.27	.000	356	98.02	.000	481	120.77	.000
106	52.52	.000	232	75.45	.000	357	98.20	.000	482	120.95	.000
107	52.70	.000	233	75.63	.000	358	98.38	2.000	483	121.13	.000
108	52.88	.000	234	75.81	.000	359	98.56	.000	484	121.31	.000
109	53.06	.000	235	76.00	.000	360	98.75	.000	485	121.50	.000
110	53.25	.000	236	76.18	.000	361	98.93	.000	486	121.68	.000
111	53.43	.000	237	76.36	.000	362	99.11	.000	487	121.86	.000
112	53.61	.000	238	76.54	.000	363	99.29	.000	488	122.04	.000
113	53.79	.000	239	76.72	.000	364	99.47	.000	489	122.22	.000
114	53.97	.000	240	76.91	.000	365	99.66	.000	490	122.41	.000
115	54.16	.000	241	77.09	.000	366	99.84	.000	491	122.59	.000
116	54.34	.000	242	77.27	.000	367	100.02	.000	492	122.77	.000
117	54.52	2.000	243	77.45	2.000	368	100.20	.000	493	122.95	.000
118	54.70	.000	244	77.63	.000	369	100.38	.000	494	123.13	.000
119	54.88	2.000	245	77.82	.000	370	100.57	.000	495	123.32	.000
120	55.07	.000	246	78.00	.000	371	100.75	.000	496	123.50	.000
121	55.25	.000	247	78.18	.000	372	100.93	.000	497	123.68	.000
122	55.43	.000	248	78.36	.000	373	101.11	.000	498	123.86	2.000
123	55.61	.000	249	78.54	.000	374	101.29	.000	499	124.04	.000
124	55.79	.000	250	78.73	.000	375	101.48	.000	500	124.23	.000
125	55.98	.000	251	78.91	.000	376	101.66	.000	501	124.41	5.170
126	56.16	.000									

0********** NONPOINT SOURCE LOADS (LBS/DAY) **********

ALL VALUES = 0.000E+00

1**********

****

********** Bayou Teche--Summer Projections (Mar-Nov), 5 DO criterion **********

****

********** STEADY STATE DO CONCENTRATIONS (PPM) **********

****

********** OUTFLOW AT DOWNSTREAM END = 319.3 CFS **********

****

****

0 CONCENTRATIONS (PPM)

0 JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE	JUNC NO	RIVER MILE	VALUE

1	33.41	5.084	127	56.34	5.123	252	79.09	5.823	377	101.84	6.186
2	33.59	5.083	128	56.52	5.125	253	79.27	5.831	378	102.02	6.182
3	33.77	5.084	129	56.70	5.127	254	79.45	5.839	379	102.20	6.177
4	33.95	5.082	130	56.89	5.130	255	79.64	5.846	380	102.39	6.173
5	34.14	5.080	131	57.07	5.132	256	79.82	5.854	381	102.57	6.168
6	34.32	5.078	132	57.25	5.134	257	80.00	5.862	382	102.75	6.163
7	34.50	5.075	133	57.43	5.137	258	80.18	5.870	383	102.93	6.158
8	34.68	5.073	134	57.61	5.139	259	80.36	5.879	384	103.11	6.153
9	34.86	5.071	135	57.80	5.142	260	80.55	5.887	385	103.30	6.148
10	35.05	5.069	136	57.98	5.147	261	80.73	5.895	386	103.48	6.143
11	35.23	5.066	137	58.16	5.149	262	80.91	5.904	387	103.66	6.138
12	35.41	5.064	138	58.34	5.152	263	81.09	5.912	388	103.84	6.132
13	35.59	5.062	139	58.52	5.154	264	81.27	5.921	389	104.02	6.127
14	35.77	5.059	140	58.71	5.156	265	81.46	5.929	390	104.21	6.122
15	35.96	5.057	141	58.89	5.159	266	81.64	5.938	391	104.39	6.117
16	36.14	5.055	142	59.07	5.162	267	81.82	5.946	392	104.57	6.112
17	36.32	5.053	143	59.25	5.164	268	82.00	5.955	393	104.75	6.107
18	36.50	5.050	144	59.43	5.167	269	82.18	5.964	394	104.93	6.102
19	36.68	5.048	145	59.62	5.170	270	82.37	5.972	395	105.12	6.097
20	36.87	5.046	146	59.80	5.173	271	82.55	5.981	396	105.30	6.092
21	37.05	5.044	147	59.98	5.177	272	82.73	5.990	397	105.48	6.087
22	37.23	5.041	148	60.16	5.180	273	82.91	6.000	398	105.66	6.080
23	37.41	5.039	149	60.34	5.183	274	83.09	6.009	399	105.84	6.073
24	37.59	5.037	150	60.53	5.187	275	83.28	6.018	400	106.03	6.066
25	37.78	5.035	151	60.71	5.191	276	83.46	6.027	401	106.21	6.060
26	37.96	5.034	152	60.89	5.195	277	83.64	6.037	402	106.39	6.053
27	38.14	5.032	153	61.07	5.199	278	83.82	6.046	403	106.57	6.047
28	38.32	5.030	154	61.25	5.203	279	84.00	6.056	404	106.75	6.040
29	38.50	5.029	155	61.44	5.208	280	84.19	6.065	405	106.94	6.034
30	38.69	5.028	156	61.62	5.212	281	84.37	6.075	406	107.12	6.028
31	38.87	5.026	157	61.80	5.217	282	84.55	6.084	407	107.30	6.022
32	39.05	5.025	158	61.98	5.222	283	84.73	6.093	408	107.48	6.015
33	39.23	5.024	159	62.16	5.227	284	84.91	6.103	409	107.66	6.009
34	39.41	5.023	160	62.35	5.232	285	85.10	6.112	410	107.85	6.003
35	39.60	5.022	161	62.53	5.237	286	85.28	6.121	411	108.03	5.997
36	39.78	5.021	162	62.71	5.242	287	85.46	6.130	412	108.21	5.992
37	39.96	5.020	163	62.89	5.246	288	85.64	6.139	413	108.39	5.986
38	40.14	5.020	164	63.07	5.251	289	85.82	6.148	414	108.57	5.980
39	40.32	5.019	165	63.26	5.256	290	86.01	6.157	415	108.76	5.974
40	40.51	5.018	166	63.44	5.261	291	86.19	6.166	416	108.94	5.968
41	40.69	5.017	167	63.62	5.266	292	86.37	6.175	417	109.12	5.963
42	40.87	5.017	168	63.80	5.271	293	86.55	6.184	418	109.30	5.957
43	41.05	5.016	169	63.98	5.277	294	86.73	6.193	419	109.48	5.952
44	41.23	5.015	170	64.17	5.283	295	86.92	6.202	420	109.67	5.946
45	41.42	5.015	171	64.35	5.287	296	87.10	6.211	421	109.85	5.941
46	41.60	5.014	172	64.53	5.292	297	87.28	6.220	422	110.03	5.935
47	41.78	5.014	173	64.71	5.297	298	87.46	6.229	423	110.21	5.929
48	41.96	5.013	174	64.89	5.302	299	87.64	6.238	424	110.39	5.923
49	42.14	5.013	175	65.08	5.306	300	87.83	6.247	425	110.58	5.917
50	42.33	5.013	176	65.26	5.311	301	88.01	6.249	426	110.76	5.910
51	42.51	5.013	177	65.44	5.316	302	88.19	6.252	427	110.94	5.903
52	42.69	5.013	178	65.62	5.320	303	88.37	6.254	428	111.12	5.896

53	42.87	5.013	179	65.80	5.325	304	88.55	6.256	429	111.30	5.888
54	43.05	5.014	180	65.99	5.330	305	88.74	6.258	430	111.49	5.880
55	43.24	5.014	181	66.17	5.334	306	88.92	6.259	431	111.67	5.871
56	43.42	5.014	182	66.35	5.339	307	89.10	6.261	432	111.85	5.862
57	43.60	5.014	183	66.53	5.343	308	89.28	6.263	433	112.03	5.852
58	43.78	5.014	184	66.71	5.348	309	89.46	6.264	434	112.21	5.842
59	43.96	5.014	185	66.90	5.352	310	89.65	6.265	435	112.40	5.831
60	44.15	5.014	186	67.08	5.357	311	89.83	6.266	436	112.58	5.820
61	44.33	5.014	187	67.26	5.361	312	90.01	6.267	437	112.76	5.808
62	44.51	5.014	188	67.44	5.366	313	90.19	6.268	438	112.94	5.796
63	44.69	5.014	189	67.62	5.370	314	90.37	6.269	439	113.12	5.782
64	44.87	5.014	190	67.81	5.374	315	90.56	6.270	440	113.31	5.768
65	45.06	5.013	191	67.99	5.379	316	90.74	6.270	441	113.49	5.753
66	45.24	5.013	192	68.17	5.383	317	90.92	6.274	442	113.67	5.737
67	45.42	5.013	193	68.35	5.387	318	91.10	6.275	443	113.85	5.721
68	45.60	5.012	194	68.53	5.391	319	91.28	6.275	444	114.03	5.704
69	45.78	5.012	195	68.72	5.395	320	91.47	6.276	445	114.22	5.688
70	45.97	5.011	196	68.90	5.399	321	91.65	6.276	446	114.40	5.672
71	46.15	5.011	197	69.08	5.403	322	91.83	6.277	447	114.58	5.655
72	46.33	5.010	198	69.26	5.407	323	92.01	6.277	448	114.76	5.639
73	46.51	5.009	199	69.44	5.411	324	92.19	6.277	449	114.94	5.623
74	46.69	5.009	200	69.63	5.415	325	92.38	6.277	450	115.13	5.607
75	46.88	5.008	201	69.81	5.420	326	92.56	6.277	451	115.31	5.591
76	47.06	5.008	202	69.99	5.424	327	92.74	6.277	452	115.49	5.575
77	47.24	5.008	203	70.17	5.428	328	92.92	6.277	453	115.67	5.559
78	47.42	5.008	204	70.35	5.433	329	93.10	6.276	454	115.85	5.544
79	47.60	5.009	205	70.54	5.437	330	93.29	6.276	455	116.04	5.528
80	47.79	5.010	206	70.72	5.442	331	93.47	6.276	456	116.22	5.514
81	47.97	5.011	207	70.90	5.447	332	93.65	6.275	457	116.40	5.499
82	48.15	5.012	208	71.08	5.451	333	93.83	6.275	458	116.58	5.485
83	48.33	5.014	209	71.26	5.455	334	94.01	6.275	459	116.76	5.471
84	48.51	5.016	210	71.45	5.459	335	94.20	6.274	460	116.95	5.457
85	48.70	5.018	211	71.63	5.467	336	94.38	6.274	461	117.13	5.444
86	48.88	5.020	212	71.81	5.471	337	94.56	6.273	462	117.31	5.431
87	49.06	5.023	213	71.99	5.474	338	94.74	6.273	463	117.49	5.418
88	49.24	5.025	214	72.17	5.479	339	94.92	6.272	464	117.67	5.406
89	49.42	5.028	215	72.36	5.483	340	95.11	6.271	465	117.86	5.394
90	49.61	5.030	216	72.54	5.488	341	95.29	6.270	466	118.04	5.383
91	49.79	5.033	217	72.72	5.492	342	95.47	6.269	467	118.22	5.371
92	49.97	5.035	218	72.90	5.498	343	95.65	6.268	468	118.40	5.360
93	50.15	5.037	219	73.08	5.503	344	95.83	6.267	469	118.58	5.349
94	50.33	5.038	220	73.27	5.509	345	96.02	6.265	470	118.77	5.339
95	50.52	5.039	221	73.45	5.515	346	96.20	6.264	471	118.95	5.328
96	50.70	5.039	222	73.63	5.522	347	96.38	6.262	472	119.13	5.319
97	50.88	5.040	223	73.81	5.529	348	96.56	6.261	473	119.31	5.309
98	51.06	5.040	224	73.99	5.536	349	96.74	6.259	474	119.49	5.300
99	51.24	5.041	225	74.18	5.544	350	96.93	6.258	475	119.68	5.291
100	51.43	5.041	226	74.36	5.551	351	97.11	6.256	476	119.86	5.282
101	51.61	5.042	227	74.54	5.559	352	97.29	6.254	477	120.04	5.274
102	51.79	5.042	228	74.72	5.568	353	97.47	6.253	478	120.22	5.266
103	51.97	5.043	229	74.90	5.576	354	97.65	6.251	479	120.40	5.259
104	52.15	5.045	230	75.09	5.584	355	97.84	6.249	480	120.59	5.251

105	52.34	5.046	231	75.27	5.592	356	98.02	6.247	481	120.77	5.244
106	52.52	5.048	232	75.45	5.600	357	98.20	6.245	482	120.95	5.238
107	52.70	5.051	233	75.63	5.608	358	98.38	6.244	483	121.13	5.231
108	52.88	5.053	234	75.81	5.616	359	98.56	6.242	484	121.31	5.225
109	53.06	5.056	235	76.00	5.624	360	98.75	6.240	485	121.50	5.219
110	53.25	5.058	236	76.18	5.632	361	98.93	6.237	486	121.68	5.213
111	53.43	5.060	237	76.36	5.640	362	99.11	6.235	487	121.86	5.207
112	53.61	5.062	238	76.54	5.647	363	99.29	6.232	488	122.04	5.202
113	53.79	5.064	239	76.72	5.655	364	99.47	6.230	489	122.22	5.197
114	53.97	5.066	240	76.91	5.663	365	99.66	6.227	490	122.41	5.193
115	54.16	5.068	241	77.09	5.670	366	99.84	6.224	491	122.59	5.188
116	54.34	5.070	242	77.27	5.678	367	100.02	6.221	492	122.77	5.185
117	54.52	5.072	243	77.45	5.686	368	100.20	6.217	493	122.95	5.181
118	54.70	5.085	244	77.63	5.757	369	100.38	6.214	494	123.13	5.178
119	54.88	5.089	245	77.82	5.770	370	100.57	6.211	495	123.32	5.175
120	55.07	5.108	246	78.00	5.778	371	100.75	6.207	496	123.50	5.173
121	55.25	5.112	247	78.18	5.786	372	100.93	6.204	497	123.68	5.171
122	55.43	5.114	248	78.36	5.793	373	101.11	6.201	498	123.86	5.169
123	55.61	5.116	249	78.54	5.801	374	101.29	6.197	499	124.04	5.172
124	55.79	5.118	250	78.73	5.808	375	101.48	6.193	500	124.23	5.171
125	55.98	5.120	251	78.91	5.816	376	101.66	6.190	501	124.41	5.170
126	56.16	5.121									

Appendix I - TMDLs

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 3 DO CRITERION

Bayou Teche

Point Source Loading Calculations

Pt. Source / Facility Description	Modeled flow: Flow*1.25 (cfs)	Modeled flow: Flow*1.25 (mgd)	Proposed Permit Limits				UCBOD				UNBOD				Sub-total of Point Source Loads		
			$CBOD_5$ (mg/l)	$CBOD_5$ (2) (lbs/day)	NH_3N (mg/l)	NH_3N (3) (lbs/day)	Ultimate Conc. (mg/l) (4)	Loads (lbs/day) (1)	WLA (lbs/day) (6)	Reserve/ MOS Load (lbs/day) (7)	Ultimate Conc. (mg/l) (4)	Loads (lbs/day) (1)	WLA (lbs/day) (6)	Reserve/ MOS Load (lbs/day) (7)	**Loads (lbs/day)**	**WLA (lbs/day)**	**Reserve/ MOS (lbs/day)**
Port Barre, Town of; Port Barre Wastewater Treatment Plant	0.967	0.625	10	52.16	10	52.16	23.0	119.96	95.97	23.99	43.0	224.27	179.42	44.85	**344.23**	**275.39**	**68.85**
St. Landry Parish Sewer District #1, Linwood Subdivision	0.0928	0.060	10	5.01	10	5.01	23.0	11.51	9.21	2.30	43.0	21.52	17.22	4.30	**33.03**	**26.43**	**6.61**
CBS Enterprises, CBS Mobile Home Park (east pond)	0.0302	0.020	30	4.89	15	2.44	69.0	11.24	8.99	2.25	64.5	10.51	8.40	2.10	**21.75**	**17.40**	**4.35**
St. Landry Parish School Board, Leonville High School	0.0152	0.010	30	2.46	15	1.23	69.0	5.66	4.53	1.13	64.5	5.29	4.23	1.06	**10.94**	**8.76**	**2.19**
St. Martin Parish School Board, Teche Elementary School	0.0174	0.011	30	2.82	15	1.41	69.0	6.48	5.18	1.30	64.5	6.05	4.84	1.21	**12.53**	**10.02**	**2.51**
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	0.0058	0.004	45	1.41	15	0.47	103.5	3.24	2.59	0.65	64.5	2.02	1.61	0.40	**5.26**	**4.20**	**1.05**
Dallas Trailer Park	0.00464	0.003	45	1.13	15	0.38	103.5	2.59	2.07	0.52	64.5	1.61	1.29	0.32	**4.20**	**3.36**	**0.84**
LA Sugar Cane Coop Inc, Breaux Bridge Branch	0.3481	0.225	0	0.00	0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**
Bent Oak Trailer Park	0.0342	0.022	30	5.53	15	2.77	69.0	12.73	10.18	2.55	64.5	11.90	9.52	2.38	**24.63**	**19.70**	**4.93**
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	5.802	3.750	10	312.94	10	312.94	23.0	719.76	575.81	143.95	43.0	1,345.63	1,076.51	269.13	**2,065.39**	**1,652.31**	**413.08**
Loreauville, Village of	0.1934	0.125	10	10.43	10	10.43	23.0	23.99	19.19	4.80	43.0	44.85	35.88	8.97	**68.85**	**55.08**	**13.77**
Breaux's Bay Craft Inc	0.0025	0.002	45	0.61	15	0.20	103.5	1.40	1.12	0.28	64.5	0.87	0.70	0.17	**2.27**	**1.81**	**0.45**
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	0.0367	0.024	30	5.94	15	2.97	69.0	13.66	10.93	2.73	64.5	12.77	10.21	2.55	**26.43**	**21.14**	**5.29**
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	3.868	2.500	15	312.94	0	0.00	34.5	719.76	575.81	143.95	0.0	0.00	0.00	0.00	**719.76**	**575.81**	**143.95**
Iberia Sugar Coop., Inc. continued; outfall 004	1.934	1.250	18	187.76	0	0.00	41.4	431.85	345.48	86.37	0.0	0.00	0.00	0.00	**431.85**	**345.48**	**86.37**
Louisiana Water Co.-New Iberia Water Treatment Plant	0.5802	0.375	2	6.26	0.96	3.00	4.6	14.40	11.52	2.88	4.1	12.92	10.33	2.58	**27.31**	**21.85**	**5.46**
Iberia Sugar Coop., Inc. continued; outfall 006	0.7156	0.463	0	0.00	0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**
Bayou Side Trailer Park	0.0093	0.006	45	2.26	15	0.75	103.5	5.19	4.15	1.04	64.5	3.24	2.59	0.65	**8.43**	**6.74**	**1.69**
Mosquito Control Contractors Inc. (MCCI)	0.0019	0.001	45	0.46	15	0.15	103.5	1.06	0.85	0.21	64.5	0.66	0.53	0.13	**1.72**	**1.38**	**0.34**
Iberia Parish Government, Rosedale Subdivision	0.0167	0.011	30	2.70	15	1.35	69.0	6.22	4.97	1.24	64.5	5.81	4.65	1.16	**12.02**	**9.62**	**2.40**
Iberia Parish School Board, Jeanerette Sr. High School	0.0231	0.015	30	3.74	15	1.87	69.0	8.60	6.88	1.72	64.5	8.04	6.43	1.61	**16.63**	**13.31**	**3.33**
Yellow Bowl Restaurant	0.0070	0.005	45	1.70	15	0.57	103.5	3.91	3.13	0.78	64.5	2.44	1.95	0.49	**6.34**	**5.07**	**1.27**
Cypress Bayou Casino	0.2901	0.188	10	15.65	10	15.65	23.0	35.99	28.79	7.20	43.0	67.28	53.83	13.46	**103.27**	**82.62**	**20.65**
SUB-TOTAL Loads				**939**		**416**		**2,159**	**1,727**	**432**		**1,788**	**1,430**	**358**	**3,947**	**3,157**	**789**

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 3 DO CRITERION

Bayou Teche

Headwater / Tributary load determinations

Headwater / Tributary Description	Seasonal Critical Headwater flow (cfs)	Seasonal Critical Headwater flow (mgd)	UCBOD (mg/l)	UCBOD LA (lbs/day) (1)	UNBOD (mg/l)	UNBOD LA (lbs/day) (1)	**Total LA (lbs/day)**
Bayou Teche headwater	634	409.772	4.36	14,909	2.924	9,999	**24,908**
Bayou Tortue	2.3	1.487	6.70	83	8.8	109	**192**
SUB-TOTAL TMDL LOADING				**14,992**		**10,108**	**25,100**

Benthic load determinations

		SOD load determinations				
Junction number	Rivermile	Surface Area (ft^2)	Surface Area (m^2)	SOD @ seasonal crit. temp (gm O_2/m^2-day) (8)	SOD LA (lbs/day) (5)	**Subtotal Benthic LA loading (lbs/day)**
1	33.41	96,100	8,928.0	1.883	37.062	**37.062**
2	33.59	96,100	8,928.0	1.88	37.062	**37.062**
3	33.77	96,100	8,928.0	1.88	37.062	**37.062**
4	33.95	96,100	8,928.0	1.88	37.062	**37.062**
5	34.14	96,100	8,928.0	1.88	37.062	**37.062**
6	34.32	96,100	8,928.0	1.88	37.062	**37.062**
7	34.5	96,100	8,928.0	1.88	37.062	**37.062**
8	34.68	96,100	8,928.0	1.88	37.062	**37.062**
9	34.86	96,100	8,928.0	1.88	37.062	**37.062**
10	35.05	96,100	8,928.0	1.88	37.062	**37.062**
11	35.23	96,100	8,928.0	1.88	37.062	**37.062**
12	35.41	96,100	8,928.0	1.88	37.062	**37.062**
13	35.59	96,100	8,928.0	1.88	37.062	**37.062**
14	35.77	96,100	8,928.0	1.88	37.062	**37.062**
15	35.96	96,100	8,928.0	1.88	37.062	**37.062**
16	36.14	96,100	8,928.0	1.88	37.062	**37.062**
17	36.32	96,100	8,928.0	1.88	37.062	**37.062**
18	36.5	96,100	8,928.0	1.88	37.062	**37.062**
19	36.68	96,100	8,928.0	1.88	37.062	**37.062**
20	36.87	96,100	8,928.0	1.88	37.062	**37.062**
21	37.05	96,100	8,928.0	1.88	37.062	**37.062**
22	37.23	96,100	8,928.0	1.88	37.062	**37.062**
23	37.41	96,100	8,928.0	1.88	37.062	**37.062**
24	37.59	96,100	8,928.0	1.88	37.062	**37.062**
25	37.78	96,100	8,928.0	1.88	37.062	**37.062**
26	37.96	96,100	8,928.0	1.88	37.062	**37.062**
27	38.14	96,100	8,928.0	1.88	37.062	**37.062**
28	38.32	96,100	8,928.0	1.88	37.062	**37.062**
29	38.5	96,100	8,928.0	1.88	37.062	**37.062**
30	38.69	96,100	8,928.0	1.88	37.062	**37.062**
31	38.87	96,100	8,928.0	1.88	37.062	**37.062**
32	39.05	96,100	8,928.0	1.88	37.062	**37.062**
33	39.23	96,100	8,928.0	1.88	37.062	**37.062**
34	39.41	96,100	8,928.0	1.88	37.062	**37.062**
35	39.6	96,100	8,928.0	1.88	37.062	**37.062**
36	39.78	96,100	8,928.0	1.88	37.062	**37.062**
37	39.96	96,100	8,928.0	1.88	37.062	**37.062**
38	40.14	96,100	8,928.0	1.88	37.062	**37.062**
39	40.32	96,100	8,928.0	1.88	37.062	**37.062**
40	40.51	96,100	8,928.0	1.88	37.062	**37.062**
41	40.69	96,100	8,928.0	1.88	37.062	**37.062**
42	40.87	96,100	8,928.0	1.88	37.062	**37.062**
43	41.05	96,100	8,928.0	1.88	37.062	**37.062**
44	41.23	96,100	8,928.0	1.88	37.062	**37.062**

45	41.42	96,100	8,928.0	1.88	37.062	37.062
46	41.6	96,100	8,928.0	1.88	37.062	37.062
47	41.78	96,100	8,928.0	1.88	37.062	37.062
48	41.96	96,100	8,928.0	1.88	37.062	37.062
49	42.14	96,100	8,928.0	1.88	37.062	37.062
50	42.33	96,100	8,928.0	1.88	37.062	37.062
51	42.51	96,100	8,928.0	1.88	37.062	37.062
52	42.69	96,100	8,928.0	1.88	37.062	37.062
53	42.87	96,100	8,928.0	1.88	37.062	37.062
54	43.05	96,100	8,928.0	1.88	37.062	37.062
55	43.24	96,100	8,928.0	1.88	37.062	37.062
56	43.42	96,100	8,928.0	1.88	37.062	37.062
57	43.6	96,100	8,928.0	1.88	37.062	37.062
58	43.78	96,100	8,928.0	1.88	37.062	37.062
59	43.96	96,100	8,928.0	1.88	37.062	37.062
60	44.15	96,100	8,928.0	1.88	37.062	37.062
61	44.33	96,100	8,928.0	1.88	37.062	37.062
62	44.51	96,100	8,928.0	1.88	37.062	37.062
63	44.69	96,100	8,928.0	1.88	37.062	37.062
64	44.87	96,100	8,928.0	1.88	37.062	37.062
65	45.06	96,100	8,928.0	1.88	37.062	37.062
66	45.24	96,100	8,928.0	1.88	37.062	37.062
67	45.42	96,100	8,928.0	1.88	37.062	37.062
68	45.6	96,100	8,928.0	1.88	37.062	37.062
69	45.78	96,100	8,928.0	1.88	37.062	37.062
70	45.97	96,100	8,928.0	1.88	37.062	37.062
71	46.15	96,100	8,928.0	1.88	37.062	37.062
72	46.33	96,100	8,928.0	1.88	37.062	37.062
73	46.51	96,100	8,928.0	1.88	37.062	37.062
74	46.69	96,100	8,928.0	1.88	37.062	37.062
75	46.88	96,100	8,928.0	1.88	37.062	37.062
76	47.06	96,100	8,928.0	1.88	37.062	37.062
77	47.24	96,100	8,928.0	1.88	37.062	37.062
78	47.42	96,100	8,928.0	1.88	37.062	37.062
79	47.6	96,100	8,928.0	1.88	37.062	37.062
80	47.79	96,100	8,928.0	1.88	37.062	37.062
81	47.97	96,100	8,928.0	1.88	37.062	37.062
82	48.15	96,100	8,928.0	1.88	37.062	37.062
83	48.33	96,100	8,928.0	1.88	37.062	37.062
84	48.51	96,100	8,928.0	1.88	37.062	37.062
85	48.7	96,100	8,928.0	1.88	37.062	37.062
86	48.88	96,100	8,928.0	1.88	37.062	37.062
87	49.06	96,100	8,928.0	1.88	37.062	37.062
88	49.24	96,100	8,928.0	1.88	37.062	37.062
89	49.42	96,100	8,928.0	1.88	37.062	37.062
90	49.61	96,100	8,928.0	1.88	37.062	37.062
91	49.79	96,100	8,928.0	1.88	37.062	37.062
92	49.97	96,100	8,928.0	1.88	37.062	37.062
93	50.15	96,100	8,928.0	1.88	37.062	37.062
94	50.33	96,100	8,928.0	1.88	37.062	37.062
95	50.52	96,100	8,928.0	1.88	37.062	37.062
96	50.7	96,100	8,928.0	1.88	37.062	37.062
97	50.88	96,100	8,928.0	1.88	37.062	37.062
98	51.06	96,100	8,928.0	1.88	37.062	37.062

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 3 DO CRITERION

Bayou Teche

99	51.24	96,100	8,928.0	1.88	37.062	**37.062**
100	51.43	96,100	8,928.0	1.88	37.062	**37.062**
101	51.61	96,100	8,928.0	1.88	37.062	**37.062**
102	51.79	96,100	8,928.0	1.88	37.062	**37.062**
103	51.97	96,100	8,928.0	1.88	37.062	**37.062**
104	52.15	96,100	8,928.0	1.88	37.062	**37.062**
105	52.34	96,100	8,928.0	1.88	37.062	**37.062**
106	52.52	96,100	8,928.0	1.88	37.062	**37.062**
107	52.7	96,100	8,928.0	1.88	37.062	**37.062**
108	52.88	96,100	8,928.0	1.88	37.062	**37.062**
109	53.06	96,100	8,928.0	1.88	37.062	**37.062**
110	53.25	96,100	8,928.0	1.88	37.062	**37.062**
111	53.43	96,100	8,928.0	1.88	37.062	**37.062**
112	53.61	96,160	8,933.6	1.88	37.086	**37.086**
113	53.79	96,260	8,942.8	1.88	37.124	**37.124**
114	53.97	96,370	8,953.1	1.88	37.167	**37.167**
115	54.16	96,470	8,962.4	1.88	37.205	**37.205**
116	54.34	96,580	8,972.6	1.88	37.248	**37.248**
117	54.52	96,700	8,983.7	1.88	37.294	**37.294**
118	54.7	96,980	9,009.7	1.88	37.402	**37.402**
119	54.88	97,260	9,035.7	1.88	37.510	**37.510**
120	55.07	97,540	9,061.8	1.88	37.578	**37.578**
121	55.25	97,820	9,087.8	1.88	37.585	**37.585**
122	55.43	98,100	9,113.8	1.87	37.593	**37.593**
123	55.61	98,390	9,140.7	1.87	37.603	**37.603**
124	55.79	98,690	9,168.6	1.86	37.617	**37.617**
125	55.98	98,990	9,196.5	1.86	37.630	**37.630**
126	56.16	99,290	9,224.3	1.85	37.642	**37.642**
127	56.34	99,580	9,251.3	1.85	37.650	**37.650**
128	56.52	99,880	9,279.2	1.84	37.681	**37.681**
129	56.7	100,200	9,308.9	1.84	37.700	**37.700**
130	56.89	100,400	9,327.5	1.83	37.672	**37.672**
131	57.07	100,700	9,355.3	1.83	37.681	**37.681**
132	57.25	101,000	9,383.2	1.82	37.690	**37.690**
133	57.43	101,300	9,411.1	1.82	37.699	**37.699**
134	57.61	101,600	9,438.9	1.81	37.706	**37.706**
135	57.8	101,800	9,457.5	1.81	37.676	**37.676**
136	57.98	102,100	9,485.4	1.80	37.683	**37.683**
137	58.16	102,400	9,513.3	1.80	37.688	**37.688**
138	58.34	102,700	9,541.1	1.79	37.694	**37.694**
139	58.52	103,000	9,569.0	1.79	37.698	**37.698**
140	58.71	103,200	9,587.6	1.78	37.666	**37.666**
141	58.89	103,500	9,615.5	1.78	37.669	**37.669**
142	59.07	103,800	9,643.3	1.77	37.672	**37.672**
143	59.25	104,100	9,671.2	1.77	37.696	**37.696**
144	59.43	104,400	9,699.1	1.76	37.697	**37.697**
145	59.62	104,600	9,717.7	1.76	37.663	**37.663**
146	59.8	104,900	9,745.5	1.75	37.663	**37.663**
147	59.98	105,200	9,773.4	1.75	37.663	**37.663**
148	60.16	105,500	9,801.3	1.74	37.663	**37.663**
149	60.34	105,800	9,829.1	1.74	37.661	**37.661**
150	60.53	106,000	9,847.7	1.73	37.624	**37.624**
151	60.71	106,300	9,875.6	1.73	37.622	**37.622**
152	60.89	106,600	9,903.5	1.72	37.619	**37.619**

153	61.07	106,900	9,931.3	1.72	37.615	**37.615**
154	61.25	107,200	9,959.2	1.71	37.611	**37.611**
155	61.44	107,400	9,977.8	1.71	37.571	**37.571**
156	61.62	107,700	10,005.7	1.70	37.566	**37.566**
157	61.8	108,100	10,042.8	1.70	37.617	**37.617**
158	61.98	108,400	10,070.7	1.69	37.610	**37.610**
159	62.16	108,700	10,098.6	1.69	37.603	**37.603**
160	62.35	109,000	10,126.4	1.68	37.595	**37.595**
161	62.53	109,300	10,154.3	1.68	37.586	**37.586**
162	62.71	109,700	10,191.5	1.67	37.612	**37.612**
163	62.89	110,000	10,219.3	1.67	37.602	**37.602**
164	63.07	110,400	10,256.5	1.66	37.625	**37.625**
165	63.26	110,700	10,284.4	1.66	37.614	**37.614**
166	63.44	111,100	10,321.5	1.65	37.637	**37.637**
167	63.62	111,400	10,349.4	1.65	37.624	**37.624**
168	63.8	111,700	10,377.3	1.64	37.611	**37.611**
169	63.98	112,100	10,414.4	1.64	37.631	**37.631**
170	64.17	112,400	10,442.3	1.63	37.616	**37.616**
171	64.35	112,700	10,470.2	1.63	37.625	**37.625**
172	64.53	113,100	10,507.3	1.63	37.642	**37.642**
173	64.71	113,400	10,535.2	1.62	37.626	**37.626**
174	64.89	113,700	10,563.1	1.62	37.609	**37.609**
175	65.08	114,100	10,600.2	1.61	37.625	**37.625**
176	65.26	114,400	10,628.1	1.61	37.606	**37.606**
177	65.44	114,700	10,656.0	1.60	37.587	**37.587**
178	65.62	115,100	10,693.1	1.60	37.601	**37.601**
179	65.8	115,400	10,721.0	1.59	37.581	**37.581**
180	65.99	115,700	10,748.9	1.59	37.560	**37.560**
181	66.17	116,100	10,786.0	1.58	37.571	**37.571**
182	66.35	116,400	10,813.9	1.58	37.549	**37.549**
183	66.53	116,700	10,841.8	1.57	37.526	**37.526**
184	66.71	117,100	10,878.9	1.57	37.535	**37.535**
185	66.9	117,400	10,906.8	1.56	37.510	**37.510**
186	67.08	117,700	10,934.7	1.56	37.510	**37.510**
187	67.26	118,000	10,962.6	1.55	37.485	**37.485**
188	67.44	118,400	10,999.7	1.55	37.490	**37.490**
189	67.62	118,700	11,027.6	1.54	37.464	**37.464**
190	67.81	119,000	11,055.5	1.54	37.437	**37.437**
191	67.99	119,400	11,092.6	1.53	37.440	**37.440**
192	68.17	119,700	11,120.5	1.53	37.412	**37.412**
193	68.35	120,000	11,148.4	1.52	37.383	**37.383**
194	68.53	120,300	11,176.2	1.52	37.353	**37.353**
195	68.72	120,500	11,194.8	1.51	37.292	**37.292**
196	68.9	120,700	11,213.4	1.51	37.230	**37.230**
197	69.08	120,900	11,232.0	1.50	37.168	**37.168**
198	69.26	121,000	11,241.3	1.50	37.075	**37.075**
199	69.44	121,200	11,259.8	1.49	37.012	**37.012**
200	69.63	121,300	11,269.1	1.49	36.943	**36.943**
201	69.81	121,300	11,269.1	1.48	36.819	**36.819**
202	69.99	121,300	11,269.1	1.48	36.695	**36.695**
203	70.17	121,300	11,269.1	1.47	36.570	**36.570**
204	70.35	121,300	11,269.1	1.47	36.446	**36.446**
205	70.54	121,400	11,278.4	1.46	36.352	**36.352**
206	70.72	121,900	11,324.9	1.46	36.377	**36.377**

207	70.9	122,500	11,380.6	1.45	36.430	**36.430**
208	71.08	123,100	11,436.4	1.45	36.483	**36.483**
209	71.26	123,600	11,482.8	1.44	36.504	**36.504**
210	71.45	124,200	11,538.6	1.44	36.554	**36.554**
211	71.63	124,300	11,547.8	1.43	36.456	**36.456**
212	71.81	124,200	11,538.6	1.43	36.300	**36.300**
213	71.99	124,100	11,529.3	1.42	36.144	**36.144**
214	72.17	124,000	11,520.0	1.42	35.987	**35.987**
215	72.36	123,900	11,510.7	1.41	35.857	**35.857**
216	72.54	123,700	11,492.1	1.41	35.672	**35.672**
217	72.72	123,600	11,482.8	1.40	35.517	**35.517**
218	72.9	123,400	11,464.2	1.40	35.333	**35.333**
219	73.08	123,300	11,454.9	1.39	35.178	**35.178**
220	73.27	123,100	11,436.4	1.39	34.995	**34.995**
221	73.45	123,000	11,427.1	1.38	34.841	**34.841**
222	73.63	122,800	11,408.5	1.38	34.658	**34.658**
223	73.81	122,600	11,389.9	1.37	34.476	**34.476**
224	73.99	122,500	11,380.6	1.37	34.323	**34.323**
225	74.18	122,300	11,362.0	1.36	34.141	**34.141**
226	74.36	122,200	11,352.8	1.36	33.988	**33.988**
227	74.54	122,000	11,334.2	1.35	33.808	**33.808**
228	74.72	121,800	11,315.6	1.35	33.628	**33.628**
229	74.9	121,600	11,297.0	1.34	33.473	**33.473**
230	75.09	121,400	11,278.4	1.34	33.293	**33.293**
231	75.27	121,200	11,259.8	1.33	33.114	**33.114**
232	75.45	121,000	11,241.3	1.33	32.936	**32.936**
233	75.63	120,800	11,222.7	1.32	32.758	**32.758**
234	75.81	120,700	11,213.4	1.32	32.607	**32.607**
235	76	120,500	11,194.8	1.31	32.430	**32.430**
236	76.18	120,300	11,176.2	1.31	32.253	**32.253**
237	76.36	120,100	11,157.7	1.30	32.076	**32.076**
238	76.54	119,900	11,139.1	1.30	31.900	**31.900**
239	76.72	119,700	11,120.5	1.29	31.724	**31.724**
240	76.91	119,500	11,101.9	1.29	31.549	**31.549**
241	77.09	119,400	11,092.6	1.28	31.400	**31.400**
242	77.27	119,200	11,074.0	1.28	31.225	**31.225**
243	77.45	119,000	11,055.5	1.28	31.075	**31.075**
244	77.63	118,900	11,046.2	1.27	30.928	**30.928**
245	77.82	118,700	11,027.6	1.27	30.754	**30.754**
246	78	118,600	11,018.3	1.26	30.607	**30.607**
247	78.18	118,400	10,999.7	1.26	30.434	**30.434**
248	78.36	118,300	10,990.4	1.25	30.287	**30.287**
249	78.54	118,200	10,981.1	1.25	30.140	**30.140**
250	78.73	118,000	10,962.6	1.24	29.968	**29.968**
251	78.91	117,900	10,953.3	1.24	29.822	**29.822**
252	79.09	117,700	10,934.7	1.23	29.651	**29.651**
253	79.27	117,600	10,925.4	1.23	29.506	**29.506**
254	79.45	117,500	10,916.1	1.22	29.360	**29.360**
255	79.64	117,300	10,897.5	1.22	29.190	**29.190**
256	79.82	117,200	10,888.2	1.21	29.045	**29.045**
257	80	117,000	10,869.7	1.21	28.876	**28.876**
258	80.18	116,900	10,860.4	1.20	28.755	**28.755**
259	80.36	116,800	10,851.1	1.20	28.611	**28.611**
260	80.55	116,600	10,832.5	1.19	28.443	**28.443**

261	80.73	116,500	10,823.2	1.19	28.299	**28.299**
262	80.91	116,400	10,813.9	1.18	28.155	**28.155**
263	81.09	116,300	10,804.6	1.18	28.012	**28.012**
264	81.27	116,100	10,786.0	1.17	27.845	**27.845**
265	81.46	116,000	10,776.8	1.17	27.702	**27.702**
266	81.64	115,900	10,767.5	1.16	27.560	**27.560**
267	81.82	115,700	10,748.9	1.16	27.394	**27.394**
268	82	115,600	10,739.6	1.15	27.252	**27.252**
269	82.18	115,500	10,730.3	1.15	27.110	**27.110**
270	82.37	115,300	10,711.7	1.14	26.945	**26.945**
271	82.55	115,200	10,702.4	1.14	26.803	**26.803**
272	82.73	115,000	10,683.8	1.13	26.663	**26.663**
273	82.91	114,900	10,674.6	1.13	26.522	**26.522**
274	83.09	114,800	10,665.3	1.12	26.381	**26.381**
275	83.28	114,600	10,646.7	1.12	26.218	**26.218**
276	83.46	114,500	10,637.4	1.11	26.078	**26.078**
277	83.64	114,300	10,618.8	1.11	25.915	**25.915**
278	83.82	114,200	10,609.5	1.10	25.776	**25.776**
279	84	114,100	10,600.2	1.10	25.636	**25.636**
280	84.19	113,900	10,581.7	1.09	25.475	**25.475**
281	84.37	113,800	10,572.4	1.09	25.336	**25.336**
282	84.55	113,600	10,553.8	1.08	25.175	**25.175**
283	84.73	113,500	10,544.5	1.08	25.036	**25.036**
284	84.91	113,400	10,535.2	1.07	24.898	**24.898**
285	85.1	113,200	10,516.6	1.07	24.738	**24.738**
286	85.28	113,100	10,507.3	1.06	24.624	**24.624**
287	85.46	112,900	10,488.8	1.06	24.465	**24.465**
288	85.64	112,800	10,479.5	1.05	24.327	**24.327**
289	85.82	112,700	10,470.2	1.05	24.191	**24.191**
290	86.01	112,600	10,460.9	1.04	24.054	**24.054**
291	86.19	112,400	10,442.3	1.04	23.896	**23.896**
292	86.37	112,300	10,433.0	1.03	23.760	**23.760**
293	86.55	112,200	10,423.7	1.03	23.624	**23.624**
294	86.73	112,000	10,405.1	1.02	23.467	**23.467**
295	86.92	111,900	10,395.9	1.02	23.331	**23.331**
296	87.1	111,700	10,377.3	1.01	23.175	**23.175**
297	87.28	111,600	10,368.0	1.01	23.040	**23.040**
298	87.46	111,400	10,349.4	1.00	22.885	**22.885**
299	87.64	111,300	10,340.1	1.00	22.750	**22.750**
300	87.83	111,100	10,321.5	0.99	22.596	**22.596**
301	88.01	111,000	10,312.2	0.99	22.484	**22.484**
302	88.19	110,800	10,293.7	0.98	22.330	**22.330**
303	88.37	110,700	10,284.4	0.98	22.197	**22.197**
304	88.55	110,600	10,275.1	0.97	22.063	**22.063**
305	88.74	110,400	10,256.5	0.97	21.911	**21.911**
306	88.92	110,200	10,237.9	0.96	21.758	**21.758**
307	89.1	110,100	10,228.6	0.96	21.625	**21.625**
308	89.28	109,900	10,210.0	0.95	21.474	**21.474**
309	89.46	109,800	10,200.8	0.95	21.342	**21.342**
310	89.65	109,600	10,182.2	0.94	21.191	**21.191**
311	89.83	109,500	10,172.9	0.94	21.059	**21.059**
312	90.01	109,300	10,154.3	0.93	20.909	**20.909**
313	90.19	109,100	10,135.7	0.93	20.759	**20.759**
314	90.37	109,000	10,126.4	0.92	20.628	**20.628**

315	90.56	108,800	10,107.9	0.92	20.501	**20.501**
316	90.74	108,700	10,098.6	0.92	20.371	**20.371**
317	90.92	108,500	10,080.0	0.91	20.222	**20.222**
318	91.1	108,400	10,070.7	0.91	20.093	**20.093**
319	91.28	108,200	10,052.1	0.90	19.945	**19.945**
320	91.47	108,000	10,033.5	0.90	19.797	**19.797**
321	91.65	107,900	10,024.2	0.89	19.668	**19.668**
322	91.83	107,800	10,014.9	0.89	19.540	**19.540**
323	92.01	107,600	9,996.4	0.88	19.393	**19.393**
324	92.19	107,500	9,987.1	0.88	19.265	**19.265**
325	92.38	107,300	9,968.5	0.87	19.120	**19.120**
326	92.56	107,200	9,959.2	0.87	18.992	**18.992**
327	92.74	107,000	9,940.6	0.86	18.847	**18.847**
328	92.92	106,900	9,931.3	0.86	18.720	**18.720**
329	93.1	106,700	9,912.8	0.85	18.597	**18.597**
330	93.29	106,600	9,903.5	0.85	18.471	**18.471**
331	93.47	106,400	9,884.9	0.84	18.327	**18.327**
332	93.65	106,300	9,875.6	0.84	18.201	**18.201**
333	93.83	106,100	9,857.0	0.83	18.058	**18.058**
334	94.01	106,000	9,847.7	0.83	17.933	**17.933**
335	94.2	105,800	9,829.1	0.82	17.791	**17.791**
336	94.38	105,700	9,819.9	0.82	17.665	**17.665**
337	94.56	105,600	9,810.6	0.81	17.541	**17.541**
338	94.74	105,400	9,792.0	0.81	17.399	**17.399**
339	94.92	105,200	9,773.4	0.80	17.259	**17.259**
340	95.11	105,100	9,764.1	0.80	17.135	**17.135**
341	95.29	104,900	9,745.5	0.79	16.995	**16.995**
342	95.47	104,800	9,736.2	0.79	16.871	**16.871**
343	95.65	104,600	9,717.7	0.78	16.732	**16.732**
344	95.83	104,500	9,708.4	0.78	16.630	**16.630**
345	96.02	104,300	9,689.8	0.77	16.492	**16.492**
346	96.2	104,200	9,680.5	0.77	16.369	**16.369**
347	96.38	104,100	9,671.2	0.76	16.247	**16.247**
348	96.56	103,900	9,652.6	0.76	16.109	**16.109**
349	96.74	103,800	9,643.3	0.75	15.987	**15.987**
350	96.93	103,600	9,624.8	0.75	15.850	**15.850**
351	97.11	103,400	9,606.2	0.74	15.714	**15.714**
352	97.29	103,300	9,596.9	0.74	15.593	**15.593**
353	97.47	103,100	9,578.3	0.73	15.457	**15.457**
354	97.65	103,000	9,569.0	0.73	15.337	**15.337**
355	97.84	102,900	9,559.7	0.72	15.216	**15.216**
356	98.02	102,700	9,541.1	0.72	15.082	**15.082**
357	98.2	102,600	9,531.9	0.71	14.962	**14.962**
358	98.38	102,400	9,513.3	0.71	14.849	**14.849**
359	98.56	102,300	9,504.0	0.70	14.730	**14.730**
360	98.75	102,100	9,485.4	0.70	14.596	**14.596**
361	98.93	102,000	9,476.1	0.69	14.477	**14.477**
362	99.11	101,800	9,457.5	0.69	14.345	**14.345**
363	99.29	101,700	9,448.2	0.68	14.227	**14.227**
364	99.47	101,500	9,429.7	0.68	14.095	**14.095**
365	99.66	101,400	9,420.4	0.67	13.977	**13.977**
366	99.84	101,200	9,401.8	0.67	13.846	**13.846**
367	100.02	101,100	9,392.5	0.66	13.729	**13.729**
368	100.2	100,900	9,373.9	0.66	13.598	**13.598**

369	100.38	100,800	9,364.6	0.65	13.481	**13.481**
370	100.57	100,700	9,355.3	0.65	13.365	**13.365**
371	100.75	100,500	9,336.8	0.64	13.235	**13.235**
372	100.93	100,300	9,318.2	0.64	13.106	**13.106**
373	101.11	100,200	9,308.9	0.63	13.011	**13.011**
374	101.29	100,000	9,290.3	0.63	12.883	**12.883**
375	101.48	99,860	9,277.3	0.62	12.763	**12.763**
376	101.66	99,710	9,263.4	0.62	12.641	**12.641**
377	101.84	99,550	9,248.5	0.61	12.519	**12.519**
378	102.02	99,390	9,233.6	0.61	12.397	**12.397**
379	102.2	99,230	9,218.8	0.60	12.276	**12.276**
380	102.39	99,080	9,204.8	0.60	12.155	**12.155**
381	102.57	98,930	9,190.9	0.59	12.036	**12.036**
382	102.75	98,790	9,177.9	0.59	11.918	**11.918**
383	102.93	98,650	9,164.9	0.58	11.800	**11.800**
384	103.11	98,510	9,151.9	0.58	11.682	**11.682**
385	103.3	98,370	9,138.9	0.57	11.565	**11.565**
386	103.48	98,230	9,125.9	0.57	11.448	**11.448**
387	103.66	98,120	9,115.6	0.57	11.354	**11.354**
388	103.84	98,010	9,105.4	0.56	11.241	**11.241**
389	104.02	97,910	9,096.1	0.56	11.130	**11.130**
390	104.21	97,800	9,085.9	0.55	11.017	**11.017**
391	104.39	97,700	9,076.6	0.55	10.906	**10.906**
392	104.57	97,600	9,067.3	0.54	10.795	**10.795**
393	104.75	97,510	9,059.0	0.54	10.685	**10.685**
394	104.93	97,420	9,050.6	0.53	10.575	**10.575**
395	105.12	97,340	9,043.2	0.53	10.467	**10.467**
396	105.3	97,250	9,034.8	0.52	10.357	**10.357**
397	105.48	97,160	9,026.5	0.52	10.248	**10.248**
398	105.66	97,140	9,024.6	0.51	10.147	**10.147**
399	105.84	97,120	9,022.7	0.51	10.045	**10.045**
400	106.03	97,100	9,020.9	0.50	9.944	**9.944**
401	106.21	97,080	9,019.0	0.50	9.862	**9.862**
402	106.39	97,070	9,018.1	0.49	9.762	**9.762**
403	106.57	97,150	9,025.5	0.49	9.670	**9.670**
404	106.75	97,400	9,048.8	0.48	9.595	**9.595**
405	106.94	97,640	9,071.1	0.48	9.519	**9.519**
406	107.12	97,890	9,094.3	0.47	9.443	**9.443**
407	107.3	98,130	9,116.6	0.47	9.366	**9.366**
408	107.48	98,380	9,139.8	0.46	9.289	**9.289**
409	107.66	98,620	9,162.1	0.46	9.211	**9.211**
410	107.85	98,870	9,185.3	0.45	9.133	**9.133**
411	108.03	99,110	9,207.6	0.45	9.053	**9.053**
412	108.21	99,360	9,230.8	0.44	8.974	**8.974**
413	108.39	99,600	9,253.1	0.44	8.894	**8.894**
414	108.57	99,850	9,276.4	0.43	8.814	**8.814**
415	108.76	100,100	9,299.6	0.43	8.734	**8.734**
416	108.94	100,300	9,318.2	0.42	8.669	**8.669**
417	109.12	100,600	9,346.0	0.42	8.592	**8.592**
418	109.3	100,800	9,364.6	0.41	8.506	**8.506**
419	109.48	101,100	9,392.5	0.41	8.428	**8.428**
420	109.67	101,300	9,411.1	0.40	8.341	**8.341**
421	109.85	101,600	9,438.9	0.40	8.261	**8.261**
422	110.03	101,800	9,457.5	0.39	8.173	**8.173**

423	110.21	102,100	9,485.4	0.39	8.093	**8.093**
424	110.39	102,300	9,504.0	0.38	8.004	**8.004**
425	110.58	102,500	9,522.6	0.38	7.915	**7.915**
426	110.76	102,800	9,550.4	0.37	7.832	**7.832**
427	110.94	103,000	9,569.0	0.37	7.742	**7.742**
428	111.12	103,300	9,596.9	0.36	7.659	**7.659**
429	111.3	103,500	9,615.5	0.36	7.568	**7.568**
430	111.49	103,800	9,643.3	0.35	7.505	**7.505**
431	111.67	104,000	9,661.9	0.35	7.413	**7.413**
432	111.85	104,300	9,689.8	0.34	7.327	**7.327**
433	112.03	104,500	9,708.4	0.34	7.234	**7.234**
434	112.21	104,700	9,726.9	0.33	7.141	**7.141**
435	112.4	105,000	9,754.8	0.33	7.054	**7.054**
436	112.58	105,200	9,773.4	0.32	6.959	**6.959**
437	112.76	105,500	9,801.3	0.32	6.871	**6.871**
438	112.94	105,700	9,819.9	0.31	6.776	**6.776**
439	113.12	106,000	9,847.7	0.31	6.687	**6.687**
440	113.31	106,200	9,866.3	0.30	6.591	**6.591**
441	113.49	106,500	9,894.2	0.30	6.500	**6.500**
442	113.67	106,700	9,912.8	0.29	6.403	**6.403**
443	113.85	106,900	9,931.3	0.29	6.306	**6.306**
444	114.03	107,200	9,959.2	0.28	6.236	**6.236**
445	114.22	107,400	9,977.8	0.28	6.137	**6.137**
446	114.4	107,700	10,005.7	0.27	6.044	**6.044**
447	114.58	107,900	10,024.2	0.27	5.945	**5.945**
448	114.76	108,200	10,052.1	0.26	5.850	**5.850**
449	114.94	108,400	10,070.7	0.26	5.750	**5.750**
450	115.13	108,700	10,098.6	0.25	5.655	**5.655**
451	115.31	108,900	10,117.1	0.25	5.554	**5.554**
452	115.49	109,200	10,145.0	0.24	5.457	**5.457**
453	115.67	109,400	10,163.6	0.24	5.355	**5.355**
454	115.85	109,600	10,182.2	0.23	5.253	**5.253**
455	116.04	109,900	10,210.0	0.23	5.155	**5.155**
456	116.22	110,100	10,228.6	0.22	5.051	**5.051**
457	116.4	110,400	10,256.5	0.22	4.952	**4.952**
458	116.58	110,600	10,275.1	0.21	4.848	**4.848**
459	116.76	110,900	10,302.9	0.21	4.770	**4.770**
460	116.95	111,100	10,321.5	0.21	4.665	**4.665**
461	117.13	111,400	10,349.4	0.20	4.563	**4.563**
462	117.31	111,600	10,368.0	0.20	4.457	**4.457**
463	117.49	111,800	10,386.6	0.19	4.351	**4.351**
464	117.67	112,100	10,414.4	0.19	4.248	**4.248**
465	117.86	112,300	10,433.0	0.18	4.140	**4.140**
466	118.04	112,600	10,460.9	0.18	4.036	**4.036**
467	118.22	112,800	10,479.5	0.17	3.928	**3.928**
468	118.4	113,100	10,507.3	0.17	3.822	**3.822**
469	118.58	113,300	10,525.9	0.16	3.713	**3.713**
470	118.77	113,600	10,553.8	0.16	3.606	**3.606**
471	118.95	113,800	10,572.4	0.15	3.496	**3.496**
472	119.13	114,100	10,600.2	0.15	3.389	**3.389**
473	119.31	114,400	10,628.1	0.14	3.304	**3.304**
474	119.49	114,600	10,646.7	0.14	3.192	**3.192**
475	119.68	114,900	10,674.6	0.13	3.083	**3.083**
476	119.86	115,100	10,693.1	0.13	2.970	**2.970**

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 3 DO CRITERION

Bayou Teche

477	120.04	115,400	10,721.0	0.12	2.860	2.860
478	120.22	115,600	10,739.6	0.12	2.746	2.746
479	120.4	115,900	10,767.5	0.11	2.635	2.635
480	120.59	116,100	10,786.0	0.11	2.521	2.521
481	120.77	116,300	10,804.6	0.10	2.406	2.406
482	120.95	116,600	10,832.5	0.10	2.293	2.293
483	121.13	116,800	10,851.1	0.09	2.177	2.177
484	121.31	117,100	10,878.9	0.09	2.063	2.063
485	121.5	117,300	10,897.5	0.08	1.946	1.946
486	121.68	117,600	10,925.4	0.08	1.831	1.831
487	121.86	117,800	10,944.0	0.07	1.737	1.737
488	122.04	118,100	10,971.8	0.07	1.621	1.621
489	122.22	118,300	10,990.4	0.06	1.502	1.502
490	122.41	118,600	11,018.3	0.06	1.385	1.385
491	122.59	118,800	11,036.9	0.05	1.265	1.265
492	122.77	119,000	11,055.5	0.05	1.146	1.146
493	122.95	119,300	11,083.3	0.04	1.026	1.026
494	123.13	119,500	11,101.9	0.04	0.906	0.906
495	123.32	119,800	11,129.8	0.03	0.785	0.785
496	123.5	120,000	11,148.4	0.03	0.664	0.664
497	123.68	120,300	11,176.2	0.02	0.542	0.542
498	123.86	120,500	11,194.8	0.02	0.420	0.420
499	124.04	120,800	11,222.7	0.01	0.297	0.297
500	124.23	121,000	11,241.3	0.01	0.173	0.173
501	124.41	121,200	11,259.8	0.00	0.050	0.050
Sub-Total benthic loading					**12,589**	**12,589**

Calculation of the TMDL

Load description	WLA (lbs/day) (6)	LA (lbs/day)	Reserve/ MOS Load (lbs/day) (7)
Point Source loads	3,157		789
Headwater / Tributary loads		25,100	
Benthic loads		12,589	
SUB-TOTAL	**3,157**	**37,689**	**789**
TMDL = WLA + LA + MOS		***41,636***	

Notes:

(1) - Load(lbs/day) = 8.345 x Ultimate Conc.(mg/l) x Modeled Flow(mgd)

(2) - CBOD5 Load = 8.345 x CBOD5 Conc.(mg/l) x Modeled Flow(mgd)

(3) - NH3N Load = 8.345 x NH3N Conc.(mg/l) x Modeled Flow(mgd)

(4) - [UCBOD conc. = CBOD5(mg/l) x 2.3] and [UNBOD conc. = NH3N(mg/l) x 4.3]

(5) - SOD Load = Distributed Load(gm/(m2*day)) x 0.0022046(lbs/gm) x Junc. Surface Area(m2)

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 3 DO CRITERION

Bayou Teche

- WLA = UBOD x 80%

(7) - Reserve/Margin of Safety(MOS) = UBOD x 20%

(8) - SOD is the only parameter that must be temperature corrected to perform the TMDL

WINTER TMDL LOADING CALCULATIONS, DEC-FEB, 5 DO CRITERION

Bayou Teche

Point Source Loading Calculations

Pt. Source / Facility Description	Modeled flow: Flow*1.25 (cfs)	Modeled flow: Flow*1.25 (mgd)	Proposed Permit Limits				UCBOD				UNBOD				Sub-total of Point Source Loads		
			$CBOD_5$ (mg/l)	$CBOD_5$ (2) (lbs/day)	NH_3N (mg/l)	NH_3N (3) (lbs/day)	Ultimate Conc. (mg/l) (4)	Loads (lbs/day) (1)	WLA (lbs/day) (6)	Reserve/ MOS Load (lbs/day) (7)	Ultimate Conc. (mg/l) (4)	Loads (lbs/day) (1)	WLA (lbs/day) (6)	Reserve/ MOS Load (lbs/day) (7)	**Loads (lbs/day)**	**WLA (lbs/day)**	**Reserve/ MOS (lbs/day)**
Port Barre, Town of; Port Barre Wastewater Treatment Plant	0.967	0.625	10	52.16	10	52.16	23.0	119.96	95.97	23.99	43.0	224.27	179.42	44.85	**344.23**	**275.39**	**68.85**
St. Landry Parish Sewer District #1, Linwood Subdivision	0.0928	0.060	10	5.01	10	5.01	23.0	11.51	9.21	2.30	43.0	21.52	17.22	4.30	**33.03**	**26.43**	**6.61**
CBS Enterprises, CBS Mobile Home Park (east pond)	0.0302	0.020	30	4.89	15	2.44	69.0	11.24	8.99	2.25	64.5	10.51	8.40	2.10	**21.75**	**17.40**	**4.35**
St. Landry Parish School Board, Leonville High School	0.0152	0.010	30	2.46	15	1.23	69.0	5.66	4.53	1.13	64.5	5.29	4.23	1.06	**10.94**	**8.76**	**2.19**
St. Martin Parish School Board, Teche Elementary School	0.0174	0.011	30	2.82	15	1.41	69.0	6.48	5.18	1.30	64.5	6.05	4.84	1.21	**12.53**	**10.02**	**2.51**
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	0.0058	0.004	45	1.41	15	0.47	103.5	3.24	2.59	0.65	64.5	2.02	1.61	0.40	**5.26**	**4.20**	**1.05**
Dallas Trailer Park	0.00464	0.003	45	1.13	15	0.38	103.5	2.59	2.07	0.52	64.5	1.61	1.29	0.32	**4.20**	**3.36**	**0.84**
LA Sugar Cane Coop Inc, Breaux Bridge Branch	0.3481	0.225	0	0.00	0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**
Bent Oak Trailer Park	0.0342	0.022	30	5.53	15	2.77	69.0	12.73	10.18	2.55	64.5	11.90	9.52	2.38	**24.63**	**19.70**	**4.93**
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	5.802	3.750	10	312.94	10	312.94	23.0	719.76	575.81	143.95	43.0	1,345.63	1,076.51	269.13	**2,065.39**	**1,652.31**	**413.08**
Loreauville, Village of	0.1934	0.125	10	10.43	10	10.43	23.0	23.99	19.19	4.80	43.0	44.85	35.88	8.97	**68.85**	**55.08**	**13.77**
Breaux's Bay Craft Inc	0.0025	0.002	45	0.61	15	0.20	103.5	1.40	1.12	0.28	64.5	0.87	0.70	0.17	**2.27**	**1.81**	**0.45**
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	0.0367	0.024	30	5.94	15	2.97	69.0	13.66	10.93	2.73	64.5	12.77	10.21	2.55	**26.43**	**21.14**	**5.29**
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	3.868	2.500	15	312.94	0	0.00	34.5	719.76	575.81	143.95	0.0	0.00	0.00	0.00	**719.76**	**575.81**	**143.95**
Iberia Sugar Coop., Inc. continued; outfall 004	1.934	1.250	18	187.76	0	0.00	41.4	431.85	345.48	86.37	0.0	0.00	0.00	0.00	**431.85**	**345.48**	**86.37**
Louisiana Water Co.-New Iberia Water Treatment Plant	0.5802	0.375	2	6.26	0.96	3.00	4.6	14.40	11.52	2.88	4.1	12.92	10.33	2.58	**27.31**	**21.85**	**5.46**
Iberia Sugar Coop., Inc. continued; outfall 006	0.7156	0.463	0	0.00	0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**
Bayou Side Trailer Park	0.0093	0.006	45	2.26	15	0.75	103.5	5.19	4.15	1.04	64.5	3.24	2.59	0.65	**8.43**	**6.74**	**1.69**
Mosquito Control Contractors Inc. (MCCI)	0.0019	0.001	45	0.46	15	0.15	103.5	1.06	0.85	0.21	64.5	0.66	0.53	0.13	**1.72**	**1.38**	**0.34**
Iberia Parish Government, Rosedale Subdivision	0.0167	0.011	30	2.70	15	1.35	69.0	6.22	4.97	1.24	64.5	5.81	4.65	1.16	**12.02**	**9.62**	**2.40**
Iberia Parish School Board, Jeanerette Sr. High School	0.0231	0.015	30	3.74	15	1.87	69.0	8.60	6.88	1.72	64.5	8.04	6.43	1.61	**16.63**	**13.31**	**3.33**
Yellow Bowl Restaurant	0.0070	0.005	45	1.70	15	0.57	103.5	3.91	3.13	0.78	64.5	2.44	1.95	0.49	**6.34**	**5.07**	**1.27**
Cypress Bayou Casino	0.2901	0.188	10	15.65	10	15.65	23.0	35.99	28.79	7.20	43.0	67.28	53.83	13.46	**103.27**	**82.62**	**20.65**
SUB-TOTAL Loads				**939**		**416**		**2,159**	**1,727**	**432**		**1,788**	**1,430**	**358**	**3,947**	**3,157**	**789**

WINTER TMDL LOADING CALCULATIONS, DEC-FEB, 5 DO CRITERION

Bayou Teche

Headwater / Tributary load determinations							
Headwater / Tributary Description	Seasonal Critical Headwater flow (cfs)	Seasonal Critical Headwater flow (mgd)	UCBOD (mg/l)	UCBOD LA (lbs/day) (1)	UNBOD (mg/l)	UNBOD LA (lbs/day) (1)	**Total LA (lbs/day)**
Bayou Teche headwater	604	390 383	4.36	14,204	2.924	9,526	**23,729**
Bayou Tortue	2.3	1.487	6.70	83	8.8	109	**192**
SUB-TOTAL TMDL LOADING				**14,287**		**9,635**	**23,922**

WINTER TMDL LOADING CALCULATIONS, DEC-FEB, 5 DO CRITERION

Bayou Teche

enthic load determinations

		SOD load determinations				
Junction number	Rivermile	Surface Area (ft^2)	Surface Area (m^2)	SOD @ seasonal crit. temp (gm O_2/m^2 day) (8)	SOD LA (lbs/day) (5)	**Subtotal Benthic LA loading (lbs/day)**
1	33.41	114,800	10,665.3	0.769	18.081	**18.081**
2	33.59	114,800	10,665.3	0.77	18.081	**18.081**
3	33.77	114,600	10,646.7	0.77	18.050	**18.050**
4	33.95	114,400	10,628.1	0 77	18.018	**18.018**
5	34.14	114,300	10,618 8	0.77	18.002	**18.002**
6	34.32	114,100	10,600.2	0.77	17.971	**17.971**
7	34 5	114,000	10,590 9	0.77	17 955	**17.955**
8	34.68	113,800	10,572.4	0.77	17.924	**17.924**
9	34.86	113,600	10,553.8	0.77	17.892	**17.892**
10	35.05	113,400	10,535.2	0.77	17.861	**17.861**
11	35.23	113,300	10,525.9	0 77	17.845	**17.845**
12	35.41	113,100	10,507.3	0.77	17.813	**17.813**
13	35 59	112,900	10,488.8	0.77	17.782	**17.782**
14	35.77	112,800	10,479.5	0.77	17.766	**17.766**
15	35.96	112,600	10,460.9	0.77	17.735	**17.735**
16	36 14	112,500	10,451.6	0.77	17.719	**17.719**
17	36.32	112,300	10,433.0	0.77	17.687	**17.687**
18	36.5	112,100	10,414.4	0.77	17.656	**17.656**
19	36.68	112,000	10,405.1	0.77	17.640	**17.640**
20	36.87	111,800	10,386 6	0.77	17 609	**17.609**
21	37.05	111,600	10,368.0	0.77	17.577	**17.577**
22	37.23	111,400	10,349.4	0.77	17.546	**17.546**
23	37.41	111,300	10,340.1	0.77	17.530	**17.530**
24	37.59	111,100	10,321.5	0.77	17.498	**17.498**
25	37.78	110,900	10,302.9	0.77	17.467	**17.467**
26	37.96	110,800	10,293.7	0.77	17.451	**17.451**
27	38 14	110,600	10,275.1	0 77	17.420	**17.420**
28	38 32	110,500	10,265.8	0.77	17.404	**17.404**
29	38.5	110,300	10,247 2	0.77	17.372	**17.372**
30	38.69	110,100	10,228.6	0.77	17.341	**17.341**
31	38.87	110,000	10,219.3	0.77	17.325	**17.325**
32	39.05	109,800	10,200.8	0.77	17.294	**17.294**
33	39.23	109,600	10,182.2	0 77	17.262	**17.262**
34	39.41	109,400	10,163.6	0.77	17.231	**17.231**
35	39.6	109,300	10,154 3	0.77	17.215	**17.215**
36	39.78	109,100	10,135.7	0.77	17.183	**17.183**
37	39.96	109,000	10,126.4	0.77	17.168	**17.168**
38	40.14	108,800	10,107.9	0.77	17.136	**17.136**
39	40.32	108,600	10,089.3	0 77	17.105	**17.105**
40	40.51	108,500	10,080.0	0.77	17.089	**17.089**
41	40 69	108,300	10,061.4	0.77	17.057	**17.057**
42	40.87	108,100	10,042.8	0.77	17.026	**17.026**

43	41.05	108.000	10.033.5	0.77	17 010	**17.010**
44	41.23	107.800	10.014.9	0.77	16.979	**16.979**
45	41.42	107.600	9.996.4	0.77	16.947	**16.947**
46	41.6	107,400	9.977.8	0.77	16.916	**16.916**
47	41.78	107.300	9.968.5	0.77	16.900	**16.900**
48	41.96	107.100	9.949.9	0.77	16.868	**16.868**
49	42.14	107.000	9.940.6	0.77	16.853	**16.853**
50	42.33	106.800	9.922.0	0.77	16.821	**16.821**
51	42.51	106.700	9.912.8	0.77	16.805	**16.805**
52	42.69	106.500	9.894.2	0.77	16.774	**16.774**
53	42 87	106.300	9.875 6	0.77	16.742	**16.742**
54	43.05	106.100	9.857.0	0.77	16.711	**16.711**
55	43.24	106.000	9.847.7	0.77	16.695	**16.695**
56	43.42	105.800	9.829.1	0.77	16.664	**16.664**
57	43.6	105.600	9.810.6	0.77	16.632	**16.632**
58	43.78	105.500	9.801.3	0.77	16.616	**16.616**
59	43.96	105.300	9.782.7	0.77	16.585	**16.585**
60	44.15	105.100	9.764 1	0.77	16.553	**16.553**
61	44.33	105.000	9.754 8	0.77	16.538	**16.538**
62	44.51	104.800	9.736 2	0.77	16.506	**16.506**
63	44.69	104.700	9.726.9	0.77	16.490	**16.490**
64	44.87	104.500	9.708.4	0.77	16.459	**16.459**
65	45.06	104.400	9.699.1	0.77	16 443	**16.443**
66	45.24	104.200	9.680.5	0 77	16.412	**16.412**
67	45.42	104.000	9.661.9	0 77	16.380	**16.380**
68	45 6	103.900	9.652.6	0.77	16.364	**16.364**
69	45.78	103.700	9.634.0	0.77	16.333	**16.333**
70	45.97	103.500	9.615.5	0.77	16.301	**16.301**
71	46.15	103.400	9.606.2	0.77	16.286	**16.286**
72	46.33	103.200	9.587.6	0.77	16.254	**16.254**
73	46.51	103.000	9.569.0	0.77	16.223	**16.223**
74	46.69	102.900	9.559.7	0.77	16.207	**16.207**
75	46.88	102.800	9.550.4	0.77	16.191	**16.191**
76	47.06	102.700	9.541.1	0.77	16.175	**16.175**
77	47.24	102.700	9.541.1	0.77	16.175	**16.175**
78	47 42	102.600	9.531.9	0.77	16.160	**16.160**
79	47.6	102.400	9.513.3	0.77	16.128	**16.128**
80	47.79	102,300	9.504.0	0.77	16.112	**16.112**
81	47.97	102,100	9.485.4	0.77	16.081	**16.081**
82	48.15	101.900	9.466.8	0.77	16.049	**16.049**
83	48.33	101.700	9.448.2	0.77	16.018	**16.018**
84	48.51	101.600	9.438.9	0.77	16.002	**16.002**
85	48.7	101,300	9.411.1	0.77	15.955	**15.955**
86	48.88	101.100	9.392.5	0.77	15.923	**15.923**
87	49.06	100.900	9.373.9	0 77	15.892	**15.892**
88	49.24	100.600	9.346.0	0.77	15.845	**15.845**
89	49.42	100,400	9.327 5	0.77	15.813	**15.813**
90	49 61	100.200	9.308 9	0.77	15 782	**15.782**
91	49.79	100,000	9.290.3	0.77	15.750	**15.750**
92	49.97	99.870	9.278.2	0.77	15.730	**15.730**
93	50.15	99.700	9.262.4	0.77	15.703	**15.703**

94	50.33	99,520	9,245.7	0.77	15.675	**15.675**
95	50.52	99,350	9,229.9	0.77	15.648	**15.648**
96	50.7	99,190	9,215.1	0.77	15 623	**15.623**
97	50.88	99,030	9,200.2	0 77	15 597	**15.597**
98	51.06	98.880	9,186 3	0.77	15.574	**15.574**
99	51 24	98,720	9,171 4	0.77	15.549	**15.549**
100	51.43	98,560	9,156 5	0.77	15.523	**15.523**
101	51.61	98,390	9,140.7	0.77	15.497	**15.497**
102	51.79	98,220	9,124.9	0.77	15.470	**15.470**
103	51.97	98,040	9,108.2	0 77	15.441	**15.441**
104	52.15	97,870	9,092 4	0.77	15.415	**15.415**
105	52.34	97,690	9,075 7	0.77	15.386	**15.386**
106	52.52	97,520	9,059.9	0.77	15.360	**15.360**
107	52.7	97,360	9,045.0	0.77	15.334	**15.334**
108	52.88	97,210	9,031.1	0.77	15.311	**15.311**
109	53 06	97,050	9,016 2	0.77	15.286	**15.286**
110	53.25	96.890	9,001.4	0.77	15.260	**15.260**
111	53.43	96,730	8,986.5	0.77	15.235	**15.235**
112	53.61	96,670	8,980.9	0 77	15.226	**15.226**
113	53.79	96,670	8,980.9	0.77	15.226	**15.226**
114	53.97	96,670	8,980 9	0.77	15.226	**15.226**
115	54.16	96,670	8,980.9	0.77	15.226	**15.226**
116	54.34	96,670	8,980.9	0 77	15.226	**15.226**
117	54.52	96,700	8,983.7	0 77	15.230	**15.230**
118	54.7	96,980	9,009 7	0.77	15.275	**15.275**
119	54.88	97,260	9,035.7	0.77	15 319	**15.319**
120	55.07	97,540	9,061.8	0.77	15.363	**15.363**
121	55.25	97,820	9,087.8	0.77	15.367	**15.367**
122	55.43	98,100	9,113.8	0.77	15.371	**15.371**
123	55.61	98,390	9,140.7	0.76	15 376	**15.376**
124	55.79	98,690	9,168.6	0.76	15.382	**15.382**
125	55.98	98,990	9,196.5	0.76	15.388	**15.388**
126	56.16	99,290	9,224.3	0.76	15.394	**15.394**
127	56.34	99,580	9,251.3	0.76	15.399	**15.399**
128	56.52	99,880	9,279.2	0.75	15.404	**15.404**
129	56.7	100,200	9,308.9	0 75	15.412	**15.412**
130	56.89	100,400	9,327.5	0.75	15.402	**15.402**
131	57.07	100,700	9,355.3	0.75	15.407	**15.407**
132	57 25	101,000	9,383.2	0.75	15.411	**15.411**
133	57.43	101,300	9,411.1	0 74	15.416	**15.416**
134	57.61	101,600	9,438.9	0.74	15.420	**15.420**
135	57.8	101,800	9,457.5	0.74	15.408	**15.408**
136	57.98	102,100	9,485 4	0.74	15.391	**15.391**
137	58 16	102,400	9,513.3	0.73	15.394	**15.394**
138	58.34	102,700	9,541.1	0.73	15.397	**15.397**
139	58.52	103,000	9,569.0	0.73	15.400	**15.400**
140	58.71	103,200	9,587.6	0.73	15.388	**15.388**
141	58.89	103,500	9,615.5	0.73	15.390	**15.390**
142	59.07	103,800	9,643 3	0.72	15.392	**15.392**
143	59.25	104,100	9,671.2	0.72	15.394	**15.394**
144	59.43	104,400	9,699.1	0.72	15.395	**15.395**

145	59 62	104,600	9,717.7	0.72	15.382	**15.382**
146	59.8	104,900	9,745 5	0.72	15.383	**15.383**
147	59.98	105,200	9,773.4	0.71	15.384	**15.384**
148	60.16	105,500	9,801.3	0.71	15.385	**15.385**
149	60.34	105,800	9,829.1	0.71	15.385	**15.385**
150	60.53	106,000	9,847.7	0.71	15.371	**15.371**
151	60.71	106,300	9,875.6	0.71	15.371	**15.371**
152	60.89	106,600	9,903 5	0.70	15.371	**15.371**
153	61 07	106,900	9,931 3	0.70	15.370	**15.370**
154	61.25	107,200	9,959 2	0.70	15.369	**15.369**
155	61 44	107,400	9,977.8	0.70	15 354	**15.354**
156	61 62	107,700	10,005 7	0.70	15.353	**15.353**
157	61.8	108,100	10,042.8	0.69	15.365	**15.365**
158	61.98	108,400	10,070.7	0.69	15.364	**15.364**
159	62.16	108,700	10,098.6	0.69	15.362	**15.362**
160	62.35	109,000	10,126.4	0 69	15.359	**15.359**
161	62.53	109,300	10,154.3	0 69	15.357	**15.357**
162	62.71	109,700	10,191.5	0.68	15.368	**15.368**
163	62.89	110,000	10,219.3	0.68	15.365	**15.365**
164	63 07	110,400	10,256.5	0.68	15.376	**15.376**
165	63 26	110,700	10,284.4	0.68	15 372	**15.372**
166	63.44	111,100	10,321.5	0.68	15.382	**15.382**
167	63.62	111,400	10,349 4	0.67	15.378	**15.378**
168	63 8	111,700	10,377.3	0.67	15.374	**15.374**
169	63.98	112,100	10,414.4	0.67	15.383	**15.383**
170	64.17	112,400	10,442.3	0.67	15.378	**15.378**
171	64 35	112,700	10,470.2	0.67	15.373	**15.373**
172	64.53	113,100	10,507.3	0.66	15.381	**15.381**
173	64.71	113,400	10,535.2	0.66	15.376	**15.376**
174	64.89	113,700	10,563.1	0.66	15.370	**15.370**
175	65.08	114,100	10,600.2	0.66	15.377	**15.377**
176	65.26	114,400	10,628.1	0.66	15.371	**15.371**
177	65.44	114,700	10,656.0	0.65	15.364	**15.364**
178	65 62	115,100	10,693.1	0.65	15.370	**15.370**
179	65.8	115,400	10,721 0	0.65	15.363	**15.363**
180	65.99	115,700	10,748.9	0 65	15.356	**15.356**
181	66.17	116,100	10,786.0	0.65	15.361	**15.361**
182	66.35	116,400	10,813.9	0.64	15.353	**15.353**
183	66.53	116,700	10,841.8	0.64	15.345	**15.345**
184	66.71	117,100	10,878.9	0.64	15.350	**15.350**
185	66.9	117,400	10,906.8	0.64	15 341	**15.341**
186	67.08	117,700	10,934.7	0 64	15.332	**15.332**
187	67.26	118,000	10,962.6	0.63	15.323	**15.323**
188	67.44	118,400	10,999 7	0.63	15.326	**15.326**
189	67 62	118,700	11,027.6	0.63	15.316	**15.316**
190	67 81	119,000	11,055.5	0.63	15.306	**15.306**
191	67.99	119,400	11,092.6	0.63	15.309	**15.309**
192	68.17	119,700	11,120.5	0.62	15.298	**15.298**
193	68.35	120,000	11,148.4	0.62	15.287	**15.287**
194	68.53	120,300	11,176.2	0.62	15.276	**15.276**
195	68.72	120,500	11,194.8	0.62	15.252	**15.252**

196	68.9	120,700	11,213.4	0.62	15.228	**15.228**
197	69.08	120,900	11,232.0	0.61	15.204	**15.204**
198	69.26	121,000	11,241.3	0.61	15.167	**15.167**
199	69.44	121,200	11,259.8	0.61	15.142	**15.142**
200	69.63	121,300	11,269.1	0.61	15.105	**15.105**
201	69.81	121,300	11,269.1	0.61	15.055	**15.055**
202	69.99	121,300	11,269.1	0.60	15.006	**15.006**
203	70.17	121,300	11,269.1	0.60	14.931	**14.931**
204	70.35	121,300	11,269.1	0.60	14.882	**14.882**
205	70.54	121,400	11,278.4	0.60	14.844	**14.844**
206	70.72	121,900	11,324.9	0.60	14.855	**14.855**
207	70.9	122,500	11,380.6	0.59	14.878	**14.878**
208	71.08	123,100	11,436.4	0.59	14.901	**14.901**
209	71.26	123,600	11,482.8	0.59	14.911	**14.911**
210	71.45	124,200	11,538.6	0.59	14.932	**14.932**
211	71.63	124,300	11,547.8	0.59	14.893	**14.893**
212	71.81	124,200	11,538.6	0.58	14.830	**14.830**
213	71.99	124,100	11,529.3	0.58	14.768	**14.768**
214	72.17	124,000	11,520.0	0.58	14.705	**14.705**
215	72.36	123,900	11,510.7	0.58	14.642	**14.642**
216	72.54	123,700	11,492.1	0.58	14.568	**14.568**
217	72.72	123,600	11,482.8	0.57	14.506	**14.506**
218	72.9	123,400	11,464.2	0.57	14.431	**14.431**
219	73.08	123,300	11,454.9	0.57	14.369	**14.369**
220	73.27	123,100	11,436.4	0.57	14.296	**14.296**
221	73.45	123,000	11,427.1	0.57	14.234	**14.234**
222	73.63	122,800	11,408.5	0.56	14.160	**14.160**
223	73.81	122,600	11,389.9	0.56	14.087	**14.087**
224	73.99	122,500	11,380.6	0.56	14.025	**14.025**
225	74.18	122,300	11,362.0	0.56	13.952	**13.952**
226	74.36	122,200	11,352.8	0.56	13.891	**13.891**
227	74.54	122,000	11,334.2	0.55	13.818	**13.818**
228	74.72	121,800	11,315.6	0.55	13.745	**13.745**
229	74.9	121,600	11,297.0	0.55	13.673	**13.673**
230	75.09	121,400	11,278.4	0.55	13.601	**13.601**
231	75.27	121,200	11,259.8	0.55	13.529	**13.529**
232	75.45	121,000	11,241.3	0.54	13.457	**13.457**
233	75.63	120,800	11,222.7	0.54	13.385	**13.385**
234	75.81	120,700	11,213.4	0.54	13.325	**13.325**
235	76	120,500	11,194.8	0.54	13.253	**13.253**
236	76.18	120,300	11,176.2	0.54	13.182	**13.182**
237	76.36	120,100	11,157.7	0.53	13.111	**13.111**
238	76.54	119,900	11,139.1	0.53	13.040	**13.040**
239	76.72	119,700	11,120.5	0.53	12.969	**12.969**
240	76.91	119,500	11,101.9	0.53	12.898	**12.898**
241	77.09	119,400	11,092.6	0.53	12.839	**12.839**
242	77.27	119,200	11,074.0	0.52	12.768	**12.768**
243	77.45	119,000	11,055.5	0.52	12.698	**12.698**
244	77.63	118,900	11,046.2	0.52	12.639	**12.639**
245	77.82	118,700	11,027.6	0.52	12.569	**12.569**
246	78	118,600	11,018.3	0.52	12.510	**12.510**

247	78.18	118,400	10,999.7	0.51	12 440	**12.440**
248	78 36	118,300	10,990 4	0.51	12.381	**12.381**
249	78.54	118,200	10,981.1	0.51	12.322	**12.322**
250	78.73	118,000	10,962.6	0.51	12.253	**12.253**
251	78.91	117,900	10,953.3	0.51	12 195	**12.195**
252	79 09	117,700	10,934.7	0.50	12.126	**12.126**
253	79.27	117,600	10,925.4	0.50	12.067	**12.067**
254	79.45	117,500	10,916.1	0.50	12 009	**12.009**
255	79 64	117,300	10,897.5	0.50	11.940	**11.940**
256	79.82	117,200	10,888.2	0.50	11.882	**11.882**
257	80	117,000	10,869.7	0.49	11.814	**11.814**
258	80.18	116,900	10,860.4	0.49	11.756	**11.756**
259	80.36	116,800	10,851.1	0.49	11.698	**11.698**
260	80.55	116,600	10,832.5	0.49	11.630	**11.630**
261	80.73	116,500	10,823.2	0 49	11.573	**11.573**
262	80.91	116,400	10,813 9	0.48	11.515	**11.515**
263	81.09	116,300	10,804.6	0.48	11.457	**11.457**
264	81.27	116,100	10,786.0	0.48	11.390	**11.390**
265	81.46	116,000	10,776.8	0.48	11.333	**11.333**
266	81.64	115,900	10,767.5	0.48	11.276	**11.276**
267	81.82	115,700	10,748.9	0.47	11.209	**11.209**
268	82	115,600	10,739.6	0 47	11.152	**11.152**
269	82.18	115,500	10,730.3	0.47	11.071	**11.071**
270	82.37	115,300	10,711.7	0.47	11.005	**11.005**
271	82.55	115,200	10,702.4	0.46	10.948	**10.948**
272	82.73	115,000	10,683 8	0.46	10 882	**10.882**
273	82.91	114,900	10,674.6	0.46	10 825	**10.825**
274	83.09	114,800	10,665.3	0.46	10.769	**10.769**
275	83.28	114,600	10,646.7	0.46	10.703	**10.703**
276	83.46	114,500	10,637.4	0.45	10.647	**10.647**
277	83.64	114,300	10,618.8	0.45	10.581	**10.581**
278	83.82	114,200	10,609.5	0.45	10.525	**10.525**
279	84	114,100	10,600.2	0.45	10.469	**10.469**
280	84.19	113,900	10,581.7	0.45	10.404	**10.404**
281	84.37	113,800	10,572.4	0.44	10.349	**10.349**
282	84.55	113,600	10,553.8	0.44	10.284	**10.284**
283	84.73	113,500	10,544.5	0.44	10.228	**10.228**
284	84.91	113,400	10,535.2	0.44	10.173	**10.173**
285	85.1	113,200	10,516.6	0.44	10.109	**10.109**
286	85 28	113,100	10,507.3	0 43	10.053	**10.053**
287	85 46	112,900	10,488.8	0 43	9.989	**9.989**
288	85.64	112,800	10,479.5	0.43	9 934	**9.934**
289	85.82	112,700	10,470.2	0.43	9.879	**9.879**
290	86.01	112,600	10,460.9	0.43	9.824	**9.824**
291	86.19	112,400	10,442.3	0.42	9.761	**9.761**
292	86.37	112,300	10,433.0	0.42	9.706	**9.706**
293	86.55	112,200	10,423.7	0.42	9.652	**9.652**
294	86.73	112,000	10,405.1	0.42	9.589	**9.589**
295	86.92	111,900	10,395.9	0.42	9.534	**9.534**
296	87.1	111,700	10,377.3	0.41	9.471	**9.471**
297	87.28	111,600	10,368.0	0.41	9.417	**9.417**

298	87.46	111,400	10,349.4	0.41	9.355	**9.355**
299	87.64	111,300	10,340.1	0.41	9.301	**9.301**
300	87.83	111,100	10,321.5	0.41	9.238	**9.238**
301	88.01	111,000	10,312.2	0.40	9.185	**9.185**
302	88.19	110,800	10,293.7	0.40	9.123	**9.123**
303	88.37	110,700	10,284.4	0.40	9.069	**9.069**
304	88.55	110,600	10,275.1	0.40	9.016	**9.016**
305	88.74	110,400	10,256.5	0.40	8.954	**8.954**
306	88.92	110,200	10,237.9	0.39	8.893	**8.893**
307	89.1	110,100	10,228.6	0.39	8.840	**8.840**
308	89.28	109,900	10,210.0	0.39	8.779	**8.779**
309	89.46	109,800	10,200.8	0.39	8.726	**8.726**
310	89.65	109,600	10,182.2	0.39	8.665	**8.665**
311	89.83	109,500	10,172.9	0.38	8.612	**8.612**
312	90.01	109,300	10,154.3	0.38	8.552	**8.552**
313	90.19	109,100	10,135.7	0.38	8.491	**8.491**
314	90.37	109,000	10,126.4	0.38	8.439	**8.439**
315	90.56	108,800	10,107.9	0.38	8.379	**8.379**
316	90.74	108,700	10,098.6	0.37	8.326	**8.326**
317	90.92	108,500	10,080.0	0.37	8.267	**8.267**
318	91.1	108,400	10,070.7	0.37	8.215	**8.215**
319	91.28	108,200	10,052.1	0.37	8.155	**8.155**
320	91.47	108,000	10,033.5	0.37	8.096	**8.096**
321	91.65	107,900	10,024.2	0.36	8.044	**8.044**
322	91.83	107,800	10,014.9	0.36	7.993	**7.993**
323	92.01	107,600	9,996.4	0.36	7.934	**7.934**
324	92.19	107,500	9,987.1	0.36	7.882	**7.882**
325	92.38	107,300	9,968.5	0.36	7.824	**7.824**
326	92.56	107,200	9,959.2	0.35	7.772	**7.772**
327	92.74	107,000	9,940.6	0.35	7.714	**7.714**
328	92.92	106,900	9,931.3	0.35	7.663	**7.663**
329	93.1	106,700	9,912.8	0.35	7.605	**7.605**
330	93.29	106,600	9,903.5	0.35	7.554	**7.554**
331	93.47	106,400	9,884.9	0.34	7.497	**7.497**
332	93.65	106,300	9,875.6	0.34	7.446	**7.446**
333	93.83	106,100	9,857.0	0.34	7.388	**7.388**
334	94.01	106,000	9,847.7	0.34	7.338	**7.338**
335	94.2	105,800	9,829.1	0.34	7.281	**7.281**
336	94.38	105,700	9,819.9	0.33	7.209	**7.209**
337	94.56	105,600	9,810.6	0.33	7.159	**7.159**
338	94.74	105,400	9,792.0	0.33	7.102	**7.102**
339	94.92	105,200	9,773.4	0.33	7.046	**7.046**
340	95.11	105,100	9,764.1	0.33	6.996	**6.996**
341	95.29	104,900	9,745.5	0.32	6.940	**6.940**
342	95.47	104,800	9,736.2	0.32	6.890	**6.890**
343	95.65	104,600	9,717.7	0.32	6.834	**6.834**
344	95.83	104,500	9,708.4	0.32	6.785	**6.785**
345	96.02	104,300	9,689.8	0.32	6.729	**6.729**
346	96.2	104,200	9,680.5	0.31	6.680	**6.680**
347	96.38	104,100	9,671.2	0.31	6.631	**6.631**
348	96.56	103,900	9,652.6	0.31	6.576	**6.576**

349	96.74	103,800	9,643.3	0.31	6.527	**6.527**
350	96.93	103,600	9,624.8	0.31	6.472	**6.472**
351	97.11	103,400	9,606.2	0.30	6.417	**6.417**
352	97.29	103,300	9,596.9	0.30	6.368	**6.368**
353	97.47	103,100	9,578.3	0.30	6.314	**6.314**
354	97.65	103,000	9,569.0	0.30	6.265	**6.265**
355	97.84	102,900	9,559.7	0.30	6.217	**6.217**
356	98.02	102,700	9,541.1	0.29	6.163	**6.163**
357	98.2	102,600	9,531.9	0.29	6.115	**6.115**
358	98.38	102,400	9,513.3	0.29	6.061	**6.061**
359	98.56	102,300	9,504.0	0.29	6.013	**6.013**
360	98.75	102,100	9,485.4	0.29	5.960	**5.960**
361	98.93	102,000	9,476.1	0.28	5.912	**5.912**
362	99.11	101,800	9,457.5	0.28	5.859	**5.859**
363	99.29	101,700	9,448.2	0.28	5.811	**5.811**
364	99.47	101,500	9,429.7	0.28	5.758	**5.758**
365	99.66	101,400	9,420.4	0.28	5.711	**5.711**
366	99.84	101,200	9,401.8	0.27	5.659	**5.659**
367	100.02	101,100	9,392.5	0.27	5.612	**5.612**
368	100.2	100,900	9,373.9	0.27	5.559	**5.559**
369	100.38	100,800	9,364.6	0.27	5.512	**5.512**
370	100.57	100,700	9,355.3	0.27	5.466	**5.466**
371	100.75	100,500	9,336.8	0.26	5.414	**5.414**
372	100.93	100,300	9,318.2	0.26	5.362	**5.362**
373	101.11	100,200	9,308.9	0.26	5.315	**5.315**
374	101.29	100,000	9,290.3	0.26	5.264	**5.264**
375	101.48	99,860	9,277.3	0.26	5.215	**5.215**
376	101.66	99,710	9,263.4	0.25	5.167	**5.167**
377	101.84	99,550	9,248.5	0.25	5.118	**5.118**
378	102.02	99,390	9,233.6	0.25	5.069	**5.069**
379	102.2	99,230	9,218.8	0.25	5.020	**5.020**
380	102.39	99,080	9,204.8	0.25	4.972	**4.972**
381	102.57	98,930	9,190.9	0.24	4.924	**4.924**
382	102.75	98,790	9,177.9	0.24	4.876	**4.876**
383	102.93	98,650	9,164.9	0.24	4.829	**4.829**
384	103.11	98,510	9,151.9	0.24	4.782	**4.782**
385	103.3	98,370	9,138.9	0.24	4.735	**4.735**
386	103.48	98,230	9,125.9	0.23	4.688	**4.688**
387	103.66	98,120	9,115.6	0.23	4.642	**4.642**
388	103.84	98,010	9,105.4	0.23	4.597	**4.597**
389	104.02	97,910	9,096.1	0.23	4.552	**4.552**
390	104.21	97,800	9,085.9	0.23	4.507	**4.507**
391	104.39	97,700	9,076.6	0.22	4.462	**4.462**
392	104.57	97,600	9,067.3	0.22	4.418	**4.418**
393	104.75	97,510	9,059.0	0.22	4.374	**4.374**
394	104.93	97,420	9,050.6	0.22	4.330	**4.330**
395	105.12	97,340	9,043.2	0.22	4.286	**4.286**
396	105.3	97,250	9,034.8	0.21	4.243	**4.243**
397	105.48	97,160	9,026.5	0.21	4.199	**4.199**
398	105.66	97,140	9,024.6	0.21	4.158	**4.158**
399	105.84	97,120	9,022.7	0.21	4.118	**4.118**

400	106.03	97,100	9,020.9	0.21	4.077	**4.077**
401	106.21	97,080	9,019.0	0.20	4.036	**4.036**
402	106.39	97,070	9,018.1	0.20	3.976	**3.976**
403	106.57	97,150	9,025.5	0.20	3.940	**3.940**
404	106.75	97,400	9,048.8	0.20	3.910	**3.910**
405	106.94	97,640	9,071.1	0.19	3.880	**3.880**
406	107.12	97,890	9,094.3	0.19	3.849	**3.849**
407	107.3	98,130	9,116.6	0.19	3.819	**3.819**
408	107.48	98,380	9,139.8	0.19	3.788	**3.788**
409	107.66	98,620	9,162.1	0.19	3.757	**3.757**
410	107.85	98,870	9,185.3	0.18	3.726	**3.726**
411	108.03	99,110	9,207.6	0.18	3.694	**3.694**
412	108.21	99,360	9,230.8	0.18	3.663	**3.663**
413	108.39	99,600	9,253.1	0.18	3.631	**3.631**
414	108.57	99,850	9,276.4	0.18	3.599	**3.599**
415	108.76	100,100	9,299.6	0.17	3.567	**3.567**
416	108.94	100,300	9,318.2	0.17	3.533	**3.533**
417	109.12	100,600	9,346.0	0.17	3.503	**3.503**
418	109.3	100,800	9,364.6	0.17	3.468	**3.468**
419	109.48	101,100	9,392.5	0.17	3.437	**3.437**
420	109.67	101,300	9,411.1	0.16	3.403	**3.403**
421	109.85	101,600	9,438.9	0.16	3.371	**3.371**
422	110.03	101,800	9,457.5	0.16	3.336	**3.336**
423	110.21	102,100	9,485.4	0.16	3.304	**3.304**
424	110.39	102,300	9,504.0	0.16	3.269	**3.269**
425	110.58	102,500	9,522.6	0.15	3.233	**3.233**
426	110.76	102,800	9,550.4	0.15	3.200	**3.200**
427	110.94	103,000	9,569.0	0.15	3.164	**3.164**
428	111.12	103,300	9,596.9	0.15	3.131	**3.131**
429	111.3	103,500	9,615.5	0.15	3.095	**3.095**
430	111.49	103,800	9,643.3	0.14	3.061	**3.061**
431	111.67	104,000	9,661.9	0.14	3.025	**3.025**
432	111.85	104,300	9,689.8	0.14	2.991	**2.991**
433	112.03	104,500	9,708.4	0.14	2.954	**2.954**
434	112.21	104,700	9,726.9	0.14	2.916	**2.916**
435	112.4	105,000	9,754.8	0.13	2.882	**2.882**
436	112.58	105,200	9,773.4	0.13	2.844	**2.844**
437	112.76	105,500	9,801.3	0.13	2.809	**2.809**
438	112.94	105,700	9,819.9	0.13	2.771	**2.771**
439	113.12	106,000	9,847.7	0.13	2.735	**2.735**
440	113.31	106,200	9,866.3	0.12	2.697	**2.697**
441	113.49	106,500	9,894.2	0.12	2.661	**2.661**
442	113.67	106,700	9,912.8	0.12	2.622	**2.622**
443	113.85	106,900	9,931.3	0.12	2.584	**2.584**
444	114.03	107,200	9,959.2	0.12	2.547	**2.547**
445	114.22	107,400	9,977.8	0.11	2.508	**2.508**
446	114.4	107,700	10,005.7	0.11	2.471	**2.471**
447	114.58	107,900	10,024.2	0.11	2.431	**2.431**
448	114.76	108,200	10,052.1	0.11	2.393	**2.393**
449	114.94	108,400	10,070.7	0.11	2.353	**2.353**
450	115.13	108,700	10,098.6	0.10	2.315	**2.315**

451	115.31	108,900	10,117.1	0.10	2 275	**2.275**
452	115.49	109,200	10,145.0	0 10	2.237	**2.237**
453	115.67	109,400	10,163 6	0.10	2.196	**2.196**
454	115.85	109,600	10.182 2	0.10	2.155	**2.155**
455	116.04	109,900	10,210.0	0.09	2.116	**2.116**
456	116.22	110,100	10,228.6	0.09	2.075	**2.075**
457	116.4	110,400	10,256.5	0.09	2.035	**2.035**
458	116.58	110,600	10,275.1	0.09	1.993	**1.993**
459	116.76	110,900	10,302 9	0.09	1.953	**1.953**
460	116.95	111,100	10,321.5	0.08	1.911	**1.911**
461	117.13	111,400	10,349.4	0.08	1.871	**1.871**
462	117 31	111,600	10,368.0	0 08	1.829	**1.829**
463	117.49	111,800	10,386.6	0.08	1.786	**1.786**
464	117.67	112,100	10,414.4	0.08	1.745	**1.745**
465	117.86	112,300	10,433.0	0.07	1.702	**1.702**
466	118.04	112,600	10,460.9	0.07	1 660	**1.660**
467	118.22	112,800	10,479.5	0.07	1.617	**1.617**
468	118.4	113,100	10,507.3	0.07	1.575	**1.575**
469	118.58	113,300	10,525 9	0.07	1.508	**1.508**
470	118.77	113,600	10,553.8	0.06	1.466	**1.466**
471	118.95	113,800	10,572.4	0.06	1.422	**1.422**
472	119.13	114,100	10,600.2	0.06	1.379	**1.379**
473	119.31	114,400	10,628 1	0.06	1.336	**1.336**
474	119.49	114,600	10,646.7	0.06	1.291	**1.291**
475	119.68	114,900	10,674.6	0.05	1.247	**1.247**
476	119.86	115,100	10,693.1	0.05	1.202	**1.202**
477	120.04	115,400	10,721.0	0.05	1.158	**1.158**
478	120.22	115,600	10,739.6	0.05	1.113	**1.113**
479	120.4	115,900	10,767.5	0.05	1.068	**1.068**
480	120.59	116,100	10,786.0	0.04	1.022	**1.022**
481	120.77	116,300	10,804.6	0.04	0.977	**0.977**
482	120.95	116,600	10,832.5	0.04	0.931	**0.931**
483	121.13	116,800	10,851.1	0.04	0.885	**0.885**
484	121.31	117,100	10,878.9	0.04	0.839	**0.839**
485	121.5	117,300	10,897.5	0.03	0.793	**0.793**
486	121.68	117,600	10,925.4	0.03	0.747	**0.747**
487	121.86	117,800	10,944.0	0.03	0.700	**0.700**
488	122.04	118,100	10,971.8	0.03	0.653	**0.653**
489	122.22	118,300	10,990.4	0.03	0 606	**0.606**
490	122.41	118,600	11,018.3	0.02	0.559	**0.559**
491	122.59	118,800	11,036.9	0 02	0.511	**0.511**
492	122.77	119,000	11,055.5	0.02	0.463	**0.463**
493	122.95	119,300	11,083.3	0.02	0.415	**0.415**
494	123.13	119,500	11,101.9	0.02	0.367	**0.367**
495	123.32	119,800	11,129.8	0.01	0.319	**0.319**
496	123.5	120,000	11,148.4	0.01	0.270	**0.270**
497	123.68	120,300	11,176.2	0 01	0.222	**0.222**
498	123.86	120,500	11,194.8	0 01	0.173	**0.173**
499	124.04	120,800	11,222.7	0.01	0.124	**0.124**
500	124.23	121,000	11,241.3	0.00	0.074	**0.074**
501	124.41	121,200	11,259.8	0.00	0.025	**0.025**

Sub-Total benthic loading				**5,314**	**5,314**

Calculation of the TMDL			
Load description	WLA (lbs/day) (6)	LA (lbs/day)	Reserve/ MOS Load (lbs/day) (7)
Point Source loads	3,157		789
Headwater / Tributary loads		23,922	
Benthic loads		5,314	
SUB-TOTAL	**3,157**	**29,236**	**789**
TMDL = WLA + LA + MOS		***33,183***	

Notes:

(1) - Load(lbs/day) = 8.345 x Ultimate Conc.(mg/l) x Modeled Flow(mgd)

(2) - CBOD5 Load = 8.345 x CBOD5 Conc.(mg/l) x Modeled Flow(mgd)

(3) - NH3N Load = 8.345 x NH3N Conc.(mg/l) x Modeled Flow(mgd)

(4) - [UCBOD conc. = CBOD5(mg/l) x 2.3] and [UNBOD conc. = NH3N(mg/l) x 4.3]

(5) - SOD Load = Distributed Load(gm/(m2*day)) x 0.0022046(lbs/gm) x Cumulative Xlimn. Junc. Surface Area(m2)

(6) - WLA = UBOD x 80%

(7) - Reserve/Margin of Safety(MOS) = UBOD x 20%

(8) - SOD is the only parameter that must be temperature corrected to perform the TMDL

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 5 DO CRITERION

Bayou Teche

Point Source Loading Calculations

Pt. Source / Facility Description	Modeled flow: Flow*1.25 (cfs)	Modeled flow: Flow*1.25 (mgd)	Proposed Permit Limits				UCBOD				UNBOD				Sub-total of Point Source Loads		
			$CBOD_5$ (mg/l)	$CBOD_5$ (2) (lbs/day)	NH_3N (mg/l)	NH_3N (3) (lbs/day)	Ultimate Conc. (mg/l) (4)	Loads (lbs/day) (1)	WLA (lbs/day) (6)	Reserve/ MOS Load (lbs/day) (7)	Ultimate Conc. (mg/l) (4)	Loads (lbs/day) (1)	WLA (lbs/day) (6)	Reserve/ MOS Load (lbs/day) (7)	**Loads (lbs/day)**	**WLA (lbs/day)**	**Reserve/ MOS (lbs/day)**
Port Barre, Town of; Port Barre Wastewater Treatment Plant	0.967	0.625	10	52.16	10	52.16	23.0	119.96	95.97	23.99	43.0	224.27	179.42	44.85	**344.23**	**275.39**	**68.85**
St. Landry Parish Sewer District #1, Linwood Subdivision	0.0928	0.060	10	5.01	10	5.01	23.0	11.51	9.21	2.30	43.0	21.52	17.22	4.30	**33.03**	**26.43**	**6.61**
CBS Enterprises, CBS Mobile Home Park (east pond)	0.0302	0.020	30	4.89	15	2.44	69.0	11.24	8.99	2.25	64.5	10.51	8.40	2.10	**21.75**	**17.40**	**4.35**
St. Landry Parish School Board, Leonville High School	0.0152	0.010	30	2.46	15	1.23	69.0	5.66	4.53	1.13	64.5	5.29	4.23	1.06	**10.94**	**8.76**	**2.19**
St. Martin Parish School Board, Teche Elementary School	0.0174	0.011	30	2.82	15	1.41	69.0	6.48	5.18	1.30	64.5	6.05	4.84	1.21	**12.53**	**10.02**	**2.51**
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	0.0058	0.004	45	1.41	15	0.47	103.5	3.24	2.59	0.65	64.5	2.02	1.61	0.40	**5.26**	**4.20**	**1.05**
Dallas Trailer Park	0.00464	0.003	45	1.13	15	0.38	103.5	2.59	2.07	0.52	64.5	1.61	1.29	0.32	**4.20**	**3.36**	**0.84**
LA Sugar Cane Coop Inc, Breaux Bridge Branch	0.3481	0.225	0	0.00	0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**
Bent Oak Trailer Park	0.0342	0.022	30	5.53	15	2.77	69.0	12.73	10.18	2.55	64.5	11.90	9.52	2.38	**24.63**	**19.70**	**4.93**
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	5.802	3.750	5	156.47	2	62.59	11.5	359.88	287.90	71.98	8.6	269.13	215.30	53.83	**629.00**	**503.20**	**125.80**
Loreauville, Village of	0.1934	0.125	10	10.43	10	10.43	23.0	23.99	19.19	4.80	43.0	44.85	35.88	8.97	**68.85**	**55.08**	**13.77**
Breaux's Bay Craft Inc	0.0025	0.002	45	0.61	15	0.20	103.5	1.40	1.12	0.28	64.5	0.87	0.70	0.17	**2.27**	**1.81**	**0.45**
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	0.0367	0.024	30	5.94	15	2.97	69.0	13.66	10.93	2.73	64.5	12.77	10.21	2.55	**26.43**	**21.14**	**5.29**
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	3.868	2.500	5	104.31	0	0.00	11.5	239.92	191.94	47.98	0.0	0.00	0.00	0.00	**239.92**	**191.94**	**47.98**
Iberia Sugar Coop., Inc. continued; outfall 004	1.934	1.250	18	187.76	0	0.00	41.4	431.85	345.48	86.37	0.0	0.00	0.00	0.00	**431.85**	**345.48**	**86.37**
Louisiana Water Co.-New Iberia Water Treatment Plant	0.5802	0.375	2	6.26	0.96	3.00	4.6	14.40	11.52	2.88	4.1	12.92	10.33	2.58	**27.31**	**21.85**	**5.46**
Iberia Sugar Coop., Inc. continued; outfall 006	0.7156	0.463	0	0.00	0	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**
Bayou Side Trailer Park	0.0093	0.006	45	2.26	15	0.75	103.5	5.19	4.15	1.04	64.5	3.24	2.59	0.65	**8.43**	**6.74**	**1.69**
Mosquito Control Contractors Inc. (MCCI)	0.0019	0.001	45	0.46	15	0.15	103.5	1.06	0.85	0.21	64.5	0.66	0.53	0.13	**1.72**	**1.38**	**0.34**
Iberia Parish Government, Rosedale Subdivision	0.0167	0.011	30	2.70	15	1.35	69.0	6.22	4.97	1.24	64.5	5.81	4.65	1.16	**12.02**	**9.62**	**2.40**
Iberia Parish School Board, Jeanerette Sr. High School	0.0231	0.015	30	3.74	15	1.87	69.0	8.60	6.88	1.72	64.5	8.04	6.43	1.61	**16.63**	**13.31**	**3.33**
Yellow Bowl Restaurant	0.0070	0.005	45	1.70	15	0.57	103.5	3.91	3.13	0.78	64.5	2.44	1.95	0.49	**6.34**	**5.07**	**1.27**
Cypress Bayou Casino	0.2901	0.188	10	15.65	10	15.65	23.0	35.99	28.79	7.20	43.0	67.28	53.83	13.46	**103.27**	**82.62**	**20.65**
SUB-TOTAL Loads				**574**		**165**		**1,319**	**1,056**	**264**		**711**	**569**	**142**	**2,031**	**1,624**	**406**

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 5 DO CRITERION

Bayou Teche

Headwater / Tributary load determinations

Headwater / Tributary Description	Seasonal Critical Headwater flow (cfs)	Seasonal Critical Headwater flow (mgd)	UCBOD (mg/l)	UCBOD LA (lbs/day) (1)	UNBOD (mg/l)	UNBOD LA (lbs/day) (1)	**Total LA (lbs/day)**
Bayou Teche headwater	634	409.772	4.36	14.909	2.924	9.999	**24,908**
Bayou Tortue	2.3	1.487	6.70	83	8.8	109	**192**
SUB-TOTAL TMDL LOADING				**14,992**		**10,108**	**25,100**

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 5 DO CRITERION

Bayou Teche

enthic load determinations

		SOD load determinations				
Junction number	Rivermile	Surface Area (ft^2)	Surface Area (m^2)	SOD @ seasonal crit. temp (gm O_2/m^2 day) (8)	SOD LA (lbs/day) (5)	**Subtotal Benthic LA loading (lbs/day)**
1	33.41	96.100	8.928.0	1.412	27.792	**27.792**
2	33.59	96.100	8.928.0	1.412	27.792	**27.792**
3	33.77	96.100	8.928.0	1.412	27.792	**27.792**
4	33 95	96.100	8.928.0	1.412	27.792	**27.792**
5	34.14	96.100	8.928.0	1.412	27.792	**27.792**
6	34.32	96.100	8.928.0	1.412	27.792	**27.792**
7	34.5	96.100	8.928.0	1.412	27.792	**27.792**
8	34.68	96.100	8.928.0	1.412	27.792	**27.792**
9	34.86	96.100	8.928.0	1 412	27.792	**27.792**
10	35 05	96.100	8.928.0	1.412	27.792	**27.792**
11	35.23	96.100	8.928.0	1.412	27.792	**27.792**
12	35 41	96.100	8.928.0	1.412	27.792	**27.792**
13	35.59	96.100	8.928.0	1 412	27.792	**27.792**
14	35.77	96.100	8.928.0	1 412	27 792	**27.792**
15	35.96	96.100	8.928.0	1.412	27.792	**27.792**
16	36.14	96.100	8.928.0	1.412	27.792	**27.792**
17	36.32	96.100	8.928.0	1.412	27.792	**27.792**
18	36.5	96.100	8.928.0	1 412	27 792	**27.792**
19	36.68	96.100	8.928 0	1.412	27.792	**27.792**
20	36.87	96.100	8.928.0	1.412	27.792	**27.792**
21	37.05	96.100	8.928.0	1.412	27.792	**27.792**
22	37.23	96.100	8.928.0	1 412	27.792	**27.792**
23	37.41	96.100	8.928.0	1.412	27 792	**27.792**
24	37.59	96.100	8.928.0	1.412	27.792	**27.792**
25	37.78	96.100	8.928.0	1.412	27.792	**27.792**
26	37.96	96.100	8.928.0	1.412	27 792	**27.792**
27	38.14	96.100	8.928.0	1.412	27.792	**27.792**
28	38.32	96.100	8.928.0	1.412	27.792	**27.792**
29	38.5	96.100	8.928.0	1.412	27.792	**27.792**
30	38.69	96.100	8.928.0	1.412	27.792	**27.792**
31	38.87	96.100	8.928 0	1.412	27.792	**27.792**
32	39.05	96.100	8.928.0	1.412	27.792	**27.792**
33	39.23	96.100	8.928.0	1.412	27.792	**27.792**
34	39.41	96.100	8.928.0	1.412	27.792	**27.792**
35	39.6	96.100	8.928.0	1 412	27.792	**27.792**
36	39.78	96.100	8.928.0	1.412	27.792	**27.792**
37	39.96	96.100	8.928.0	1.412	27.792	**27.792**
38	40.14	96.100	8.928.0	1.412	27.792	**27.792**
39	40.32	96.100	8.928 0	1.412	27.792	**27.792**
40	40.51	96.100	8.928.0	1.412	27.792	**27.792**
41	40.69	96.100	8.928.0	1.412	27.792	**27.792**
42	40.87	96.100	8.928.0	1.412	27.792	**27.792**

43	41 05	96.100	8.928.0	1.412	27.792	27.792
44	41.23	96.100	8.928.0	1.412	27.792	27.792
45	41.42	96.100	8.928.0	1 412	27.792	27.792
46	41.6	96.100	8.928 0	1.412	27.792	27.792
47	41.78	96.100	8.928 0	1 412	27.792	27.792
48	41.96	96.100	8.928.0	1.412	27.792	27.792
49	42.14	96.100	8.928 0	1 412	27 792	27.792
50	42.33	96.100	8.928.0	1.412	27.792	27.792
51	42.51	96.100	8.928.0	1.412	27.792	27.792
52	42.69	96.100	8.928.0	1.412	27.792	27.792
53	42.87	96.100	8.928.0	1.412	27.792	27.792
54	43.05	96.100	8.928.0	1.412	27.792	27.792
55	43 24	96.100	8.928.0	1.412	27.792	27.792
56	43 42	96.100	8.928.0	1.412	27.792	27.792
57	43 6	96.100	8.928.0	1 412	27 792	27.792
58	43.78	96.100	8.928.0	1.412	27.792	27.792
59	43.96	96.100	8.928.0	1.412	27.792	27.792
60	44.15	96.100	8.928.0	1.412	27.792	27.792
61	44.33	96.100	8.928.0	1.412	27 792	27.792
62	44.51	96.100	8.928 0	1.412	27 792	27.792
63	44 69	96.100	8.928.0	1.412	27.792	27.792
64	44.87	96.100	8.928.0	1.412	27.792	27.792
65	45.06	96.100	8.928.0	1.412	27.792	27.792
66	45 24	96.100	8.928.0	1.412	27.792	27.792
67	45.42	96.100	8.928.0	1.412	27.792	27.792
68	45 6	96.100	8.928.0	1.412	27.792	27.792
69	45.78	96.100	8.928.0	1.412	27.792	27.792
70	45.97	96.100	8.928.0	1 412	27.792	27.792
71	46.15	96.100	8.928.0	1.412	27.792	27.792
72	46.33	96.100	8.928.0	1.412	27.792	27.792
73	46.51	96.100	8.928.0	1.412	27.792	27.792
74	46.69	96.100	8.928.0	1.412	27.792	27.792
75	46.88	96.100	8.928.0	1.412	27.792	27.792
76	47.06	96.100	8.928.0	1.412	27.792	27.792
77	47.24	96.100	8.928 0	1.412	27.792	27.792
78	47.42	96.100	8.928.0	1.412	27.792	27.792
79	47.6	96.100	8.928.0	1.412	27.792	27.792
80	47.79	96.100	8.928.0	1.412	27 792	27.792
81	47.97	96.100	8.928.0	1.412	27 792	27.792
82	48.15	96.100	8.928.0	1.412	27.792	27.792
83	48 33	96.100	8.928.0	1.412	27.792	27.792
84	48.51	96.100	8.928.0	1.412	27.792	27.792
85	48 7	96.100	8.928.0	1.412	27.792	27.792
86	48.88	96.100	8.928.0	1.412	27.792	27.792
87	49.06	96.100	8.928.0	1.412	27.792	27.792
88	49.24	96.100	8.928.0	1 412	27.792	27.792
89	49 42	96.100	8.928.0	1.412	27.792	27.792
90	49 61	96.100	8.928.0	1.412	27.792	27.792
91	49.79	96.100	8.928.0	1.412	27.792	27.792
92	49.97	96.100	8.928.0	1.412	27 792	27.792
93	50 15	96.100	8.928.0	1.412	27.792	27.792

94	50.33	96.100	8.928.0	1.412	27.792	**27.792**
95	50.52	96.100	8.928.0	1.412	27.792	**27.792**
96	50.7	96.100	8.928.0	1.412	27.792	**27.792**
97	50.88	96.100	8.928.0	1.412	27.792	**27.792**
98	51.06	96.100	8.928.0	1.412	27.792	**27.792**
99	51.24	96.100	8.928.0	1.412	27.792	**27.792**
100	51.43	96.100	8.928.0	1.412	27.792	**27.792**
101	51.61	96.100	8.928.0	1.412	27.792	**27.792**
102	51.79	96.100	8.928.0	1.412	27.792	**27.792**
103	51.97	96.100	8.928.0	1.412	27.792	**27.792**
104	52.15	96.100	8.928.0	1.412	27.792	**27.792**
105	52.34	96.100	8.928.0	1.412	27.792	**27.792**
106	52.52	96.100	8.928.0	1.412	27.792	**27.792**
107	52.7	96.100	8.928.0	1.412	27.792	**27.792**
108	52.88	96.100	8.928.0	1.412	27.792	**27.792**
109	53.06	96.100	8.928.0	1.412	27.792	**27.792**
110	53.25	96.100	8.928.0	1.412	27.792	**27.792**
111	53.43	96.100	8.928.0	1.412	27.792	**27.792**
112	53.61	96.160	8.933.6	1.412	27.809	**27.809**
113	53.79	96.260	8.942.8	1.412	27.838	**27.838**
114	53.97	96.370	8.953.1	1.412	27.870	**27.870**
115	54.16	96.470	8.962.4	1.412	27.899	**27.899**
116	54.34	96.580	8.972.6	1.412	27.931	**27.931**
117	54.52	96.700	8.983.7	1.412	27.965	**27.965**
118	54.7	96.980	9.009.7	1.412	28.046	**28.046**
119	54.88	97.260	9.035.7	1.412	28.127	**28.127**
120	55.07	97.540	9.061.8	1.411	28.188	**28.188**
121	55.25	97.820	9.087.8	1.407	28.189	**28.189**
122	55.43	98.100	9.113.8	1.403	28.189	**28.189**
123	55.61	98.390	9.140.7	1.400	28.212	**28.212**
124	55.79	98.690	9.168.6	1.396	28.217	**28.217**
125	55.98	98.990	9.196.5	1.392	28.222	**28.222**
126	56.16	99.290	9.224.3	1.389	28.247	**28.247**
127	56.34	99.580	9.251.3	1.385	28.248	**28.248**
128	56.52	99.880	9.279.2	1.381	28.251	**28.251**
129	56.7	100.200	9.308.9	1.377	28.259	**28.259**
130	56.89	100.400	9.327.5	1.374	28.254	**28.254**
131	57.07	100.700	9.355.3	1.370	28.256	**28.256**
132	57.25	101.000	9.383.2	1.366	28.257	**28.257**
133	57.43	101.300	9.411.1	1.363	28.279	**28.279**
134	57.61	101.600	9.438.9	1.359	28.280	**28.280**
135	57.8	101.800	9.457.5	1.355	28.252	**28.252**
136	57.98	102.100	9.485.4	1.352	28.272	**28.272**
137	58.16	102.400	9.513.3	1.348	28.272	**28.272**
138	58.34	102.700	9.541.1	1.344	28.270	**28.270**
139	58.52	103.000	9.569.0	1.340	28.268	**28.268**
140	58.71	103.200	9.587.6	1.337	28.260	**28.260**
141	58.89	103.500	9.615.5	1.333	28.257	**28.257**
142	59.07	103.800	9.643.3	1.329	28.254	**28.254**
143	59.25	104.100	9.671.2	1.326	28.272	**28.272**
144	59.43	104.400	9.699.1	1.322	28.268	**28.268**

145	59.62	104.600	9.717.7	1 318	28.236	**28.236**
146	59.8	104.900	9.745.5	1 315	28.253	**28.253**
147	59.98	105.200	9.773.4	1.311	28.247	**28.247**
148	60 16	105.500	9.801.3	1.307	28.242	**28.242**
149	60.34	105,800	9.829.1	1.303	28.235	**28.235**
150	60.53	106,000	9.847.7	1.300	28.223	**28.223**
151	60.71	106.300	9.875.6	1.296	28.216	**28.216**
152	60 89	106.600	9.903.5	1.292	28.208	**28.208**
153	61.07	106.900	9.931.3	1 289	28.222	**28.222**
154	61.25	107.200	9.959.2	1 285	28.214	**28.214**
155	61.44	107.400	9.977.8	1.281	28.178	**28.178**
156	61.62	107,700	10.005.7	1.278	28.191	**28.191**
157	61.8	108.100	10.042.8	1.274	28.207	**28.207**
158	61.98	108.400	10.070.7	1.270	28.196	**28.196**
159	62.16	108,700	10,098.6	1 267	28.208	**28.208**
160	62.35	109.000	10.126.4	1.263	28.196	**28.196**
161	62 53	109.300	10,154.3	1.259	28.184	**28.184**
162	62.71	109,700	10.191.5	1.255	28.197	**28.197**
163	62.89	110,000	10.219.3	1.252	28.207	**28.207**
164	63.07	110,400	10,256.5	1.248	28.219	**28.219**
165	63.26	110.700	10,284.4	1.244	28.205	**28.205**
166	63.44	111.100	10.321.5	1.241	28.239	**28.239**
167	63 62	111,400	10,349.4	1.237	28.224	**28.224**
168	63 8	111,700	10,377.3	1.233	28.208	**28.208**
169	63.98	112,100	10,414.4	1.230	28.240	**28.240**
170	64.17	112,400	10.442.3	1.226	28 224	**28.224**
171	64.35	112,700	10.470.2	1.222	28.207	**28.207**
172	64.53	113,100	10,507.3	1.218	28.214	**28.214**
173	64.71	113,400	10.535.2	1.215	28.219	**28.219**
174	64 89	113.700	10,563.1	1.211	28.201	**28.201**
175	65.08	114.100	10,600.2	1.207	28.207	**28.207**
176	65.26	114.400	10,628.1	1.204	28.211	**28.211**
177	65.44	114,700	10,656.0	1.200	28.191	**28.191**
178	65.62	115.100	10,693.1	1.196	28.195	**28.195**
179	65.8	115,400	10,721.0	1.193	28.197	**28.197**
180	65.99	115,700	10,748.9	1.189	28.176	**28.176**
181	66.17	116,100	10,786.0	1.185	28.178	**28.178**
182	66.35	116,400	10,813.9	1.181	28.155	**28.155**
183	66.53	116,700	10,841.8	1 178	28.156	**28.156**
184	66.71	117,100	10,878.9	1.174	28.157	**28.157**
185	66.9	117,400	10,906.8	1.170	28.133	**28.133**
186	67.08	117,700	10.934.7	1.167	28.132	**28.132**
187	67.26	118.000	10.962.6	1.163	28.107	**28.107**
188	67.44	118,400	10,999.7	1.159	28.106	**28.106**
189	67 62	118,700	11,027 6	1.156	28.104	**28.104**
190	67.81	119,000	11,055.5	1.152	28.078	**28.078**
191	67.99	119,400	11,092.6	1.148	28.074	**28.074**
192	68 17	119,700	11,120 5	1.144	28.047	**28.047**
193	68 35	120,000	11,148.4	1.141	28.043	**28.043**
194	68.53	120,300	11,176.2	1.137	28.015	**28.015**
195	68.72	120,500	11,194.8	1 133	27.963	**27.963**

196	68.9	120,700	11,213.4	1 130	27 935	**27.935**
197	69.08	120.900	11,232.0	1.126	27 882	**27.882**
198	69.26	121.000	11.241.3	1.122	27.806	**27.806**
199	69.44	121.200	11.259.8	1.119	27.777	**27.777**
200	69.63	121,300	11,269.1	1.115	27.701	**27.701**
201	69 81	121,300	11.269 1	1.111	27.602	**27.602**
202	69.99	121,300	11,269.1	1.107	27.502	**27.502**
203	70.17	121.300	11.269.1	1.104	27.428	**27.428**
204	70.35	121.300	11.269 1	1.100	27.328	**27.328**
205	70.54	121.400	11.278.4	1.096	27.251	**27.251**
206	70.72	121.900	11.324.9	1.093	27.289	**27.289**
207	70.9	122.500	11.380.6	1.089	27 323	**27.323**
208	71.08	123.100	11.436.4	1.085	27 356	**27.356**
209	71.26	123,600	11,482.8	1.082	27.391	**27.391**
210	71.45	124.200	11.538.6	1.078	27.422	**27.422**
211	71.63	124.300	11,547 8	1.074	27.342	**27.342**
212	71.81	124,200	11.538.6	1.071	27.244	**27.244**
213	71.99	124.100	11.529.3	1 067	27.120	**27.120**
214	72.17	124,000	11.520.0	1.063	26.997	**26.997**
215	72.36	123,900	11.510.7	1.059	26.874	**26.874**
216	72.54	123.700	11,492.1	1.056	26.754	**26.754**
217	72.72	123.600	11,482.8	1.052	26.631	**26.631**
218	72.9	123.400	11,464 2	1.048	26.487	**26.487**
219	73.08	123.300	11.454.9	1 045	26.390	**26.390**
220	73.27	123.100	11.436.4	1 041	26.246	**26.246**
221	73.45	123,000	11.427.1	1.037	26.124	**26.124**
222	73 63	122,800	11,408.5	1.034	26.006	**26.006**
223	73.81	122.600	11.389.9	1.030	25.864	**25.864**
224	73.99	122.500	11,380.6	1.026	25.742	**25.742**
225	74.18	122,300	11,362.0	1.022	25 600	**25.600**
226	74.36	122,200	11,352.8	1.019	25.504	**25.504**
227	74.54	122,000	11,334.2	1.015	25.362	**25.362**
228	74.72	121.800	11,315.6	1.011	25.221	**25.221**
229	74.9	121,600	11.297.0	1.008	25.105	**25.105**
230	75.09	121,400	11.278.4	1.004	24.964	**24.964**
231	75.27	121.200	11,259.8	1.000	24.823	**24.823**
232	75.45	121,000	11.241.3	0.997	24.708	**24.708**
233	75.63	120,800	11,222.7	0 993	24.568	**24.568**
234	75.81	120.700	11,213.4	0.989	24.449	**24.449**
235	76	120.500	11.194.8	0.985	24.310	**24.310**
236	76.18	120,300	11,176.2	0.982	24.196	**24.196**
237	76.36	120,100	11,157.7	0.978	24.057	**24.057**
238	76.54	119,900	11,139.1	0.974	23.919	**23.919**
239	76.72	119,700	11,120.5	0 971	23.805	**23.805**
240	76.91	119,500	11,101.9	0.967	23.668	**23.668**
241	77.09	119,400	11,092.6	0.963	23.550	**23.550**
242	77.27	119.200	11.074.0	0.960	23.437	**23.437**
243	77.45	119.000	11.055.5	0.956	23.300	**23.300**
244	77.63	118.900	11.046.2	0.952	23.183	**23.183**
245	77.82	118,700	11.027 6	0.948	23.047	**23.047**
246	78	118.600	11.018.3	0.945	22.955	**22.955**

SUMMER TMDL LOADING CALCULATIONS, MAR-NOV, 5 DO CRITERION

Bayou Teche

247	78.18	118.400	10.999.7	0.941	22.819	**22.819**
248	78.36	118.300	10.990.4	0 937	22.703	**22.703**
249	78.54	118.200	10.981.1	0.934	22.611	**22.611**
250	78.73	118,000	10.962.6	0.930	22 476	**22.476**
251	78.91	117.900	10.953.3	0.926	22.361	**22.361**
252	79.09	117.700	10.934 7	0.923	22.250	**22.250**
253	79 27	117.600	10.925.4	0.919	22.135	**22.135**
254	79.45	117,500	10.916.1	0 915	22.020	**22.020**
255	79.64	117.300	10.897.5	0.912	21.911	**21.911**
256	79.82	117.200	10.888.2	0.908	21.796	**21.796**
257	80	117.000	10.869.7	0.904	21 663	**21.663**
258	80.18	116.900	10.860.4	0.900	21 548	**21.548**
259	80.36	116.800	10.851.1	0.897	21.458	**21.458**
260	80.55	116.600	10.832.5	0.893	21.326	**21.326**
261	80.73	116.500	10.823.2	0 889	21.212	**21.212**
262	80.91	116.400	10.813.9	0.886	21.123	**21.123**
263	81.09	116.300	10.804.6	0.882	21.009	**21.009**
264	81.27	116.100	10.786.0	0.878	20.878	**20.878**
265	81.46	116.000	10.776 8	0.875	20.789	**20.789**
266	81.64	115.900	10.767.5	0.871	20 676	**20.676**
267	81.82	115.700	10.748.9	0 867	20 545	**20.545**
268	82	115.600	10.739.6	0.863	20.433	**20.433**
269	82 18	115.500	10.730.3	0.860	20.344	**20.344**
270	82 37	115,300	10.711.7	0.856	20.214	**20.214**
271	82.55	115.200	10.702.4	0.852	20.103	**20.103**
272	82.73	115.000	10.683.8	0 849	19 997	**19.997**
273	82.91	114.900	10.674.6	0.845	19.885	**19.885**
274	83.09	114.800	10.665.3	0.841	19.774	**19.774**
275	83 28	114.600	10.646.7	0.838	19.669	**19.669**
276	83.46	114.500	10.637.4	0.834	19.558	**19.558**
277	83.64	114.300	10.618.8	0 830	19 431	**19.431**
278	83.82	114.200	10.609.5	0.826	19.320	**19.320**
279	84	114.100	10.600.2	0.823	19.233	**19.233**
280	84.19	113.900	10.581.7	0.819	19.106	**19.106**
281	84.37	113.800	10.572.4	0.815	18.996	**18.996**
282	84.55	113.600	10.553.8	0.812	18 893	**18.893**
283	84 73	113,500	10.544 5	0.808	18.783	**18.783**
284	84.91	113.400	10.535.2	0.804	18.674	**18.674**
285	85.1	113,200	10.516.6	0.801	18.571	**18.571**
286	85.28	113.100	10.507.3	0.797	18.462	**18.462**
287	85.46	112.900	10.488.8	0.793	18.337	**18.337**
288	85 64	112.800	10.479.5	0.789	18.228	**18.228**
289	85 82	112,700	10.470.2	0.786	18.143	**18.143**
290	86.01	112,600	10.460.9	0.782	18.035	**18.035**
291	86.19	112,400	10.442.3	0.778	17.910	**17.910**
292	86.37	112,300	10.433.0	0.775	17.825	**17.825**
293	86.55	112,200	10.423.7	0.771	17.718	**17.718**
294	86.73	112.000	10.405.1	0 767	17.594	**17.594**
295	86 92	111.900	10.395.9	0.764	17.510	**17.510**
296	87 1	111.700	10.377.3	0.760	17.387	**17.387**
297	87.28	111.600	10.368.0	0.756	17 280	**17.280**

298	87 46	111,400	10,349.4	0.753	17.181	**17.181**
299	87 64	111,300	10,340.1	0 749	17.074	**17.074**
300	87.83	111,100	10,321.5	0 745	16.952	**16.952**
301	88.01	111,000	10.312.2	0 741	16.846	**16.846**
302	88.19	110.800	10.293.7	0.738	16.748	**16.748**
303	88.37	110.700	10.284.4	0.734	16.642	**16.642**
304	88.55	110.600	10.275.1	0.730	16.536	**16.536**
305	88.74	110.400	10.256.5	0.727	16 439	**16.439**
306	88.92	110.200	10,237.9	0.723	16.318	**16.318**
307	89.1	110.100	10.228.6	0.719	16.213	**16.213**
308	89.28	109.900	10,210.0	0.716	16.116	**16.116**
309	89.46	109.800	10.200.8	0.712	16.012	**16.012**
310	89.65	109.600	10.182.2	0.708	15.893	**15.893**
311	89.83	109,500	10,172.9	0.704.	15.789	**15.789**
312	90.01	109.300	10.154.3	0.701	15.693	**15.693**
313	90.19	109,100	10.135.7	0.697	15.575	**15.575**
314	90.37	109,000	10.126.4	0.693	15.471	**15.471**
315	90.56	108.800	10,107.9	0.690	15.376	**15.376**
316	90.74	108,700	10,098.6	0.686	15 273	**15.273**
317	90 92	108.500	10.080.0	0.682	15.156	**15.156**
318	91.1	108.400	10.070.7	0.679	15.075	**15.075**
319	91.28	108.200	10,052.1	0.675	14.959	**14.959**
320	91.47	108.000	10.033.5	0.671	14.842	**14.842**
321	91.65	107.900	10,024.2	0 667	14.740	**14.740**
322	91.83	107,800	10,014.9	0 664	14.660	**14.660**
323	92.01	107.600	9,996 4	0.660	14.545	**14.545**
324	92 19	107,500	9,987.1	0.656	14.443	**14.443**
325	92.38	107.300	9.968.5	0.653	14.351	**14.351**
326	92.56	107,200	9,959.2	0.649	14.249	**14.249**
327	92.74	107,000	9,940.6	0.645	14.135	**14.135**
328	92.92	106.900	9,931.3	0.642	14.056	**14.056**
329	93.1	106,700	9,912.8	0.638	13.943	**13.943**
330	93 29	106,600	9.903.5	0.634	13.842	**13.842**
331	93.47	106,400	9,884.9	0.630	13.729	**13.729**
332	93 65	106,300	9.875.6	0.627	13.651	**13.651**
333	93.83	106,100	9.857.0	0.623	13.538	**13.538**
334	94.01	106,000	9,847.7	0 619	13.439	**13.439**
335	94.2	105,800	9,829.1	0.616	13.348	**13.348**
336	94.38	105,700	9.819 9	0.612	13.249	**13.249**
337	94.56	105,600	9.810.6	0.608	13.150	**13.150**
338	94.74	105,400	9.792.0	0.605	13.060	**13.060**
339	94.92	105,200	9,773.4	0.601	12.949	**12.949**
340	95.11	105,100	9,764.1	0.597	12.851	**12.851**
341	95.29	104,900	9,745.5	0.594	12.762	**12.762**
342	95.47	104,800	9.736.2	0.590	12.664	**12.664**
343	95.65	104,600	9,717.7	0.586	12 554	**12.554**
344	95.83	104,500	9.708.4	0 582	12.457	**12.457**
345	96 02	104,300	9.689.8	0.579	12.369	**12.369**
346	96.2	104,200	9.680.5	0.575	12.271	**12.271**
347	96.38	104.100	9.671.2	0.571	12.174	**12.174**
348	96 56	103,900	9.652.6	0.568	12.087	**12.087**

349	96.74	103.800	9.643 3	0.564	11.990	**11.990**
350	96.93	103.600	9.624.8	0.560	11.882	**11.882**
351	97.11	103.400	9.606.2	0.557	11.796	**11.796**
352	97.29	103.300	9.596.9	0.553	11.700	**11.700**
353	97.47	103.100	9.578.3	0.549	11.593	**11.593**
354	97.65	103.000	9.569.0	0.545	11.497	**11.497**
355	97 84	102.900	9,559.7	0.542	11.423	**11.423**
356	98 02	102.700	9.541.1	0.538	11.317	**11.317**
357	98 2	102.600	9.531.9	0.534	11 221	**11.221**
358	98.38	102.400	9.513.3	0.531	11.137	**11.137**
359	98.56	102.300	9.504.0	0.527	11.042	**11.042**
360	98.75	102.100	9.485.4	0.523	10.937	**10.937**
361	98.93	102.000	9.476.1	0.520	10.863	**10.863**
362	99.11	101.800	9.457.5	0.516	10.759	**10.759**
363	99.29	101.700	9.448.2	0 512	10.665	**10.665**
364	99.47	101.500	9.429.7	0.508	10 561	**10.561**
365	99.66	101.400	9.420.4	0 505	10.488	**10.488**
366	99 84	101.200	9.401.8	0.501	10.384	**10.384**
367	100.02	101.100	9.392.5	0.497	10.291	**10.291**
368	100.2	100.900	9.373.9	0.494	10.209	**10.209**
369	100.38	100.800	9.364 6	0.490	10.116	**10.116**
370	100.57	100.700	9.355.3	0.486	10.024	**10.024**
371	100.75	100.500	9.336.8	0.483	9.942	**9.942**
372	100 93	100.300	9.318.2	0.479	9.840	**9.840**
373	101 11	100.200	9.308.9	0.475	9.748	**9.748**
374	101.29	100.000	9.290.3	0.471	9.647	**9.647**
375	101.48	99.860	9.277.3	0.468	9.572	**9.572**
376	101.66	99.710	9.263.4	0.464	9.476	**9.476**
377	101.84	99.550	9.248 5	0.460	9 379	**9.379**
378	102.02	99.390	9.233.6	0.457	9.303	**9.303**
379	102.2	99.230	9.218.8	0.453	9.207	**9.207**
380	102.39	99.080	9.204.8	0.449	9.112	**9.112**
381	102.57	98.930	9.190.9	0 446	9.037	**9.037**
382	102.75	98.790	9.177.9	0.442	8.943	**8.943**
383	102.93	98.650	9.164.9	0.438	8.850	**8.850**
384	103.11	98.510	9.151.9	0.434	8.756	**8.756**
385	103 3	98.370	9.138.9	0.431	8.684	**8.684**
386	103.48	98.230	9.125.9	0.427	8.591	**8.591**
387	103.66	98.120	9.115.6	0.423	8.501	**8.501**
388	103.84	98.010	9.105.4	0.420	8.431	**8.431**
389	104.02	97.910	9.096.1	0.416	8.342	**8.342**
390	104.21	97.800	9.085.9	0.412	8.253	**8.253**
391	104.39	97.700	9.076.6	0.409	8.184	**8.184**
392	104 57	97.600	9.067.3	0.405	8.096	**8.096**
393	104.75	97.510	9.059 0	0.401	8.009	**8.009**
394	104.93	97.420	9.050 6	0.398	7.941	**7.941**
395	105.12	97.340	9.043.2	0.394	7.855	**7.855**
396	105.3	97.250	9.034.8	0.390	7.768	**7.768**
397	105 48	97.160	9.026.5	0.386	7.681	**7.681**
398	105.66	97.140	9.024.6	0.383	7.620	**7.620**
399	105.84	97.120	9.022 7	0.379	7.539	**7.539**

400	106.03	97.100	9,020 9	0.375	7 458	**7.458**
401	106.21	97.080	9,019 0	0.372	7.397	**7.397**
402	106.39	97,070	9.018.1	0.368	7.316	**7.316**
403	106.57	97.150	9.025.5	0 364	7.243	**7.243**
404	106 75	97,400	9,048.8	0.361	7.202	**7.202**
405	106.94	97.640	9.071.1	0.357	7.139	**7.139**
406	107.12	97.890	9,094.3	0.353	7.077	**7.077**
407	107.3	98.130	9,116.6	0.349	7 014	**7.014**
408	107.48	98.380	9.139.8	0.346	6 972	**6.972**
409	107 66	98.620	9,162.1	0.342	6.908	**6.908**
410	107.85	98,870	9,185 3	0.338	6.844	**6.844**
411	108 03	99,110	9,207.6	0.335	6.800	**6.800**
412	108 21	99.360	9.230.8	0 331	6.736	**6.736**
413	108.39	99,600	9,253.1	0.327	6 671	**6.671**
414	108.57	99.850	9,276.4	0.324	6.626	**6.626**
415	108.76	100.100	9,299.6	0.320	6.561	**6.561**
416	108.94	100,300	9,318.2	0 316	6.492	**6.492**
417	109.12	100.600	9.346.0	0.312	6.429	**6.429**
418	109.3	100.800	9,364.6	0.309	6.379	**6.379**
419	109.48	101.100	9,392.5	0.305	6.316	**6.316**
420	109.67	101,300	9,411.1	0.301	6.245	**6.245**
421	109.85	101,600	9,438.9	0 298	6.201	**6.201**
422	110.03	101.800	9,457.5	0 294	6 130	**6.130**
423	110.21	102,100	9,485.4	0.290	6.064	**6.064**
424	110.39	102,300	9.504.0	0.287	6.013	**6.013**
425	110.58	102,500	9,522.6	0.283	5.941	**5.941**
426	110.76	102,800	9,550.4	0.279	5.874	**5.874**
427	110.94	103.000	9,569 0	0.275	5.801	**5.801**
428	111.12	103.300	9,596.9	0.272	5.755	**5.755**
429	111.3	103,500	9,615.5	0.268	5.681	**5.681**
430	111.49	103,800	9,643.3	0.264	5.613	**5.613**
431	111 67	104,000	9.661.9	0.261	5.559	**5.559**
432	111 85	104,300	9.689.8	0.257	5.490	**5.490**
433	112.03	104,500	9,708.4	0 253	5.415	**5.415**
434	112.21	104,700	9,726.9	0.250	5.361	**5.361**
435	112.4	105.000	9.754.8	0.246	5.290	**5.290**
436	112.58	105,200	9,773.4	0.242	5.214	**5.214**
437	112.76	105,500	9.801.3	0.239	5.164	**5.164**
438	112.94	105,700	9.819.9	0.235	5.087	**5.087**
439	113.12	106.000	9,847.7	0.231	5.015	**5.015**
440	113.31	106,200	9.866.3	0.227	4.938	**4.938**
441	113.49	106.500	9,894.2	0.224	4.886	**4.886**
442	113 67	106,700	9,912.8	0 220	4.808	**4.808**
443	113 85	106.900	9.931.3	0.216	4.729	**4.729**
444	114.03	107.200	9.959.2	0.213	4.677	**4.677**
445	114.22	107.400	9,977.8	0.209	4.597	**4.597**
446	114.4	107.700	10.005.7	0.205	4.522	**4.522**
447	114.58	107.900	10,024.2	0 202	4.464	**4.464**
448	114.76	108,200	10,052.1	0.198	4.388	**4.388**
449	114.94	108.400	10.070.7	0.194	4.307	**4.307**
450	115.13	108.700	10.098 6	0.190	4.230	**4.230**

451	115.31	108.900	10,117.1	0 187	4.171	**4.171**
452	115.49	109.200	10,145.0	0.183	4.093	**4.093**
453	115.67	109,400	10,163 6	0.179	4.011	**4.011**
454	115.85	109.600	10.182 2	0.176	3 951	**3.951**
455	116.04	109,900	10,210.0	0.172	3 872	**3.872**
456	116.22	110.100	10.228.6	0.168	3.788	**3.788**
457	116.4	110.400	10.256.5	0.165	3.731	**3.731**
458	116 58	110.600	10,275.1	0.161	3.647	**3.647**
459	116.76	110.900	10,302.9	0.157	3.566	**3.566**
460	116 95	111,100	10,321.5	0.153	3.481	**3.481**
461	117.13	111,400	10,349.4	0.150	3.422	**3.422**
462	117 31	111,600	10.368.0	0.146	3.337	**3.337**
463	117.49	111.800	10,386 6	0.142	3 252	**3.252**
464	117.67	112,100	10,414 4	0.139	3.191	**3.191**
465	117.86	112,300	10,433.0	0 135	3.105	**3.105**
466	118.04	112,600	10,460.9	0.131	3.021	**3.021**
467	118.22	112,800	10,479.5	0.128	2.957	**2.957**
468	118.4	113.100	10,507.3	0.124	2.872	**2.872**
469	118.58	113.300	10,525.9	0.120	2.785	**2.785**
470	118.77	113,600	10,553.8	0.116	2.699	**2.699**
471	118 95	113.800	10.572.4	0.113	2.634	**2.634**
472	119 13	114,100	10,600.2	0 109	2.547	**2.547**
473	119.31	114,400	10,628.1	0 105	2.460	**2.460**
474	119.49	114,600	10,646.7	0.102	2.394	**2.394**
475	119.68	114,900	10,674.6	0.098	2.306	**2.306**
476	119.86	115,100	10,693.1	0.094	2.216	**2.216**
477	120.04	115,400	10,721.0	0.091	2.151	**2.151**
478	120.22	115,600	10,739.6	0.087	2.060	**2.060**
479	120.4	115,900	10,767 5	0.083	1.970	**1.970**
480	120.59	116,100	10,786.0	0 080	1.902	**1.902**
481	120.77	116,300	10,804.6	0.076	1.810	**1.810**
482	120.95	116,600	10,832.5	0.072	1.719	**1.719**
483	121.13	116,800	10,851.1	0.068	1.627	**1.627**
484	121 31	117,100	10,878.9	0.065	1.559	**1.559**
485	121.5	117,300	10,897.5	0.061	1.466	**1.466**
486	121.68	117,600	10,925.4	0 057	1.373	**1.373**
487	121.86	117,800	10,944.0	0 054	1.303	**1.303**
488	122.04	118,100	10,971.8	0.050	1.209	**1.209**
489	122.22	118,300	10,990.4	0.046	1.115	**1.115**
490	122.41	118,600	11,018.3	0.043	1.045	**1.045**
491	122.59	118,800	11,036.9	0.039	0.949	**0.949**
492	122.77	119,000	11,055.5	0.035	0.853	**0.853**
493	122.95	119,300	11,083.3	0.031	0.757	**0.757**
494	123.13	119,500	11,101.9	0.028	0.685	**0.685**
495	123.32	119,800	11,129.8	0.024	0.589	**0.589**
496	123.5	120,000	11,148.4	0.020	0.492	**0.492**
497	123.68	120,300	11,176.2	0.017	0.419	**0.419**
498	123.86	120,500	11,194.8	0.013	0.321	**0.321**
499	124.04	120,800	11,222.7	0.009	0 223	**0.223**
500	124.23	121,000	11,241.3	0.006	0.149	**0.149**
501	124.41	121,200	11,259.8	0.002	0.050	**0.050**

Sub-Total benthic loading				9,441	**9,441**

Calculation of the TMDL			
Load description	WLA (lbs/day) (6)	LA (lbs/day)	Reserve/ MOS Load (lbs/day) (7)
Point Source loads	1,624		406
Headwater / Tributary loads		25,100	
Benthic loads		9,441	
SUB-TOTAL	**1,624**	**34,541**	**406**
TMDL = WLA + LA + MOS		***36,572***	

Notes:

(1) - Load(lbs/day) = 8.345 x Ultimate Conc.(mg/l) x Modeled Flow(mgd)

(2) - CBOD5 Load = 8.345 x CBOD5 Conc.(mg/l) x Modeled Flow(mgd)

(3) - NH3N Load = 8.345 x NH3N Conc.(mg/l) x Modeled Flow(mgd)

(4) - [UCBOD conc. = CBOD5(mg/l) x 2.3] and [UNBOD conc. = NH3N(mg/l) x 4.3]

(5) - SOD Load = Distributed Load(gm/(m2*day)) x 0.0022046(lbs/gm) x Junc. Surface Area(m2)

(6) - WLA = UBOD x 80%

(7) - Reserve/Margin of Safety(MOS) = UBOD x 20%

(8) - SOD is the only parameter that must be temperature corrected to perform the TMDL

Appendix J - Sensitivity Analysis

Bayou Teche
Sensitivity to variations in model parameters using calibration run

3.26 mg/L minimum DO

VARIABLE	DO Concentration, mg/L	DO Concentration, mg/L	% Deviation from DO=3.26 mg/L	% Deviation from DO=3.26 mg/L
	-30%	+30%	-30%	+30%
REAER	1.65	3.70	-49.39	13.50
DEPTH	3.83	2.78	17.48	-14.72
TEMP*/SATDO	3.55	2.84	8.90	-12.88
WIDTH	2.82	3.29	-13.50	0.92
NOXY	3.49	3.03	7.06	-7.06
COXY	3.40	2.95	4.29	-9.51
DISP	3.26	3.26	0.00	0.00
SEDI (SOD)	3.35	2.84	2.76	-12.88

* Temperature was varied +/- 2 degrees C, with corresponding SATDOs:
21 degrees C, SATDO=8.92 mg/L
22 degrees C, SATDO=8.74 mg/L
25 degrees C, SATDO=8.26 mg/L
26 degrees C, SATDO=8.11 mg/L

EXPANATORY NOTE:

After publication of this TMDL, Subsegments 060205 and 060301 were combined into one subsegment, 060301.

Previously, 060205 was described as: Bayou Teche – Headwaters at Bayou Courtableau to Interstate Hwy. 10.

Previously 060301 was described as: Bayou Teche - Interstate Hwy. 10 to Keystone Locks and Dam.

The combined subsegment 060301 is described as: Bayou Teche – Headwaters at Bayou Courtableau to Keystone Locks and Dam.