Impairment Verification Monitoring

Dissolved Oxygen

Segment 1806A Camp Meeting Creek

Volume 1

June 2005

Texas Engineering Experiment Station

Shoreline Environmental Research Facility

Impairment Verification Monitoring—Volume 1: Physical, and Chemical Components
Segment 1806A Camp Meeting Creek

Prepared for
Total Maximum Daily Load Program
Texas Commission on Environmental Quality
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Under Texas Engineering Experiment Station Project No. 32525-60880 CC
Texas Commission on Environmental Quality Contract No.582-4-58897, Amendment 1

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EXECUTIVE SUMMARY

This report describes water quality data collected on Camp Meeting Creek (Segment 1806A) during the period from August 2002 through August 2004. It has been prepared for the Texas Commission on Environmental Quality (TCEQ) by the Shoreline Environmental Research Facility at Texas A&M University under an inter-agency contract between the TCEQ and the Texas Engineering Experiment Station. Camp Meeting Creek is a 9-mile freshwater stream in the Guadalupe River Basin that extends from confluence of Flatrock Lake in southeast Kerrville in Kerr County to the upstream perennial portion of the stream west of Kerrville in Kerr County. Segment 1806A is an unclassified waterbody with a presumed use of limited based upon the intermittent with perennial pools flow regime as determined by the TCEQ. Camp Meeting Creek was included on the 2000 State of Texas Clean Water Act 303(d) (TNRCC 2000a) list as partially supporting due to low concentration of dissolved oxygen.

Volume 1 presents the water quality data for 24-hr dissolved oxygen, pH, water temperature, conductivity, and nutrients. Basic statistics are provided for each water quality constituent by station and sampling type. Data for dissolved oxygen are compared to aquatic life use criteria Volume 2, prepared by project partner Ecological Communications Corporation (ECOMM 2005), describes the biological sampling and analyses conducted by ECOMM.

Water quality assessment has evolved since the 2000 305(b) Water Quality Inventory (TNRCC 2000a) with the introduction of new methodologies. These include the development of hydrologically unique Assessment Units, use of the binomial approach for analysis, and the use of 24-hour dissolved oxygen measurements. Out of a total of 26 samples collected on Camp Meeting Creek, 3 samples had average dissolved oxygen values that fell below the TCEQ average of 3 mg/L. Similarly, 4 of the 24-hour minimum values for the 26 samples were below the TCEQ minimum criteria of 2 mg/L. As a result of these findings, Camp Meeting Creek (Segment 1806A) will remain on the 303(d) List of impaired waters due to non-support of aquatic life use resulting from depressed dissolved oxygen. The presumption that Camp Meeting Creek is an unclassified waterbody with limited aquatic use standards may need to be changed due to the fact that the flow within the stream appears to be perennial.

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INTRODUCTION

Camp Meeting Creek is a 9-mile freshwater stream in the Guadalupe River Basin that extends from confluence of Flatrock Lake in southeast Kerrville in Kerr County to the upstream perennial portion of the stream west of Kerrville in Kerr County. Primary land use in the watershed consists of evergreen forest and low intensity residential areas. (Figure 2).

Segment 1806A is an unclassified waterbody with a presumed use of limited based upon the intermittent with perennial pools flow regime Camp Meeting Creek was identified as impaired based on exceedances of the criteria associated with limited aquatic life use standards in the *2000 Water Quality Inventory* (TNRCC 2000a). The assessment found that some instantaneous dissolved oxygen samples collected in the stream exhibited concentrations lower than the criterion established to assure optimum conditions for aquatic life. The TCEQ determined that there was an insufficient number of 24-hour dissolved oxygen samples collected since 1999 to allow for a reassessment of standards attainment and in response, initiated a project to verify the impairment through the collection of additional physical, chemical, and biological data.

In 2001, TCEQ contracted the services of the South Texas Environmental Institute at Texas A&M University-Kingsville (TAMUK) to lead this effort, together with the Conrad Blucher Institute for Surveying and Science (CBI) at Texas A&M University-Corpus Christi and Ecological Communications Corporations (ECOMM). This team was tasked with the design and implementation of a monitoring plan to verify the impairment, make recommendations, and then take the necessary action to restore use where necessary. The TAMUK team conducted sampling at two stations on Camp Meeting Creek during August 2002 through August 2004 to provide the TCEQ with additional 24-hour dissolved oxygen, physical and chemical analyses, as well as biological assessments. In September of 2003 CBI took over as the project lead under a contract between the TCEQ and the Texas Engineering Experiment Station (TEES).

The information provided in this report is included in two volumes. Volume 1 describes the physical/chemical sampling and data analyses for water quality on Camp Meeting Creek. The 24-hour dissolved oxygen sampling results are presented in tabular and graphical formats with statistical summaries. Other measured constituents include pH, water temperature, conductivity, and nutrient data, for which basic statistics are provided by station and sampling type. Volume 2, prepared by ECOMM (2005), describes the biological sampling and data analyses conducted by ECOMM on Camp Meeting Creek.

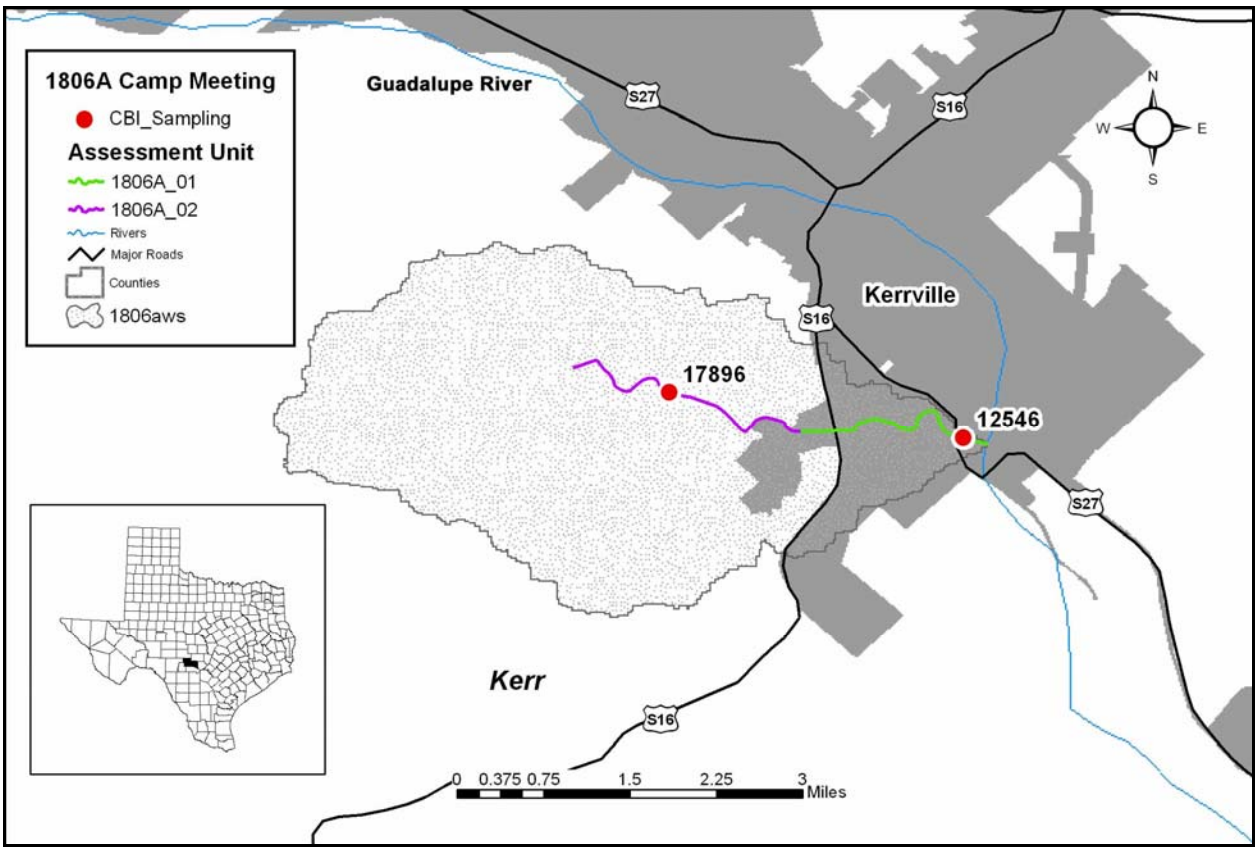
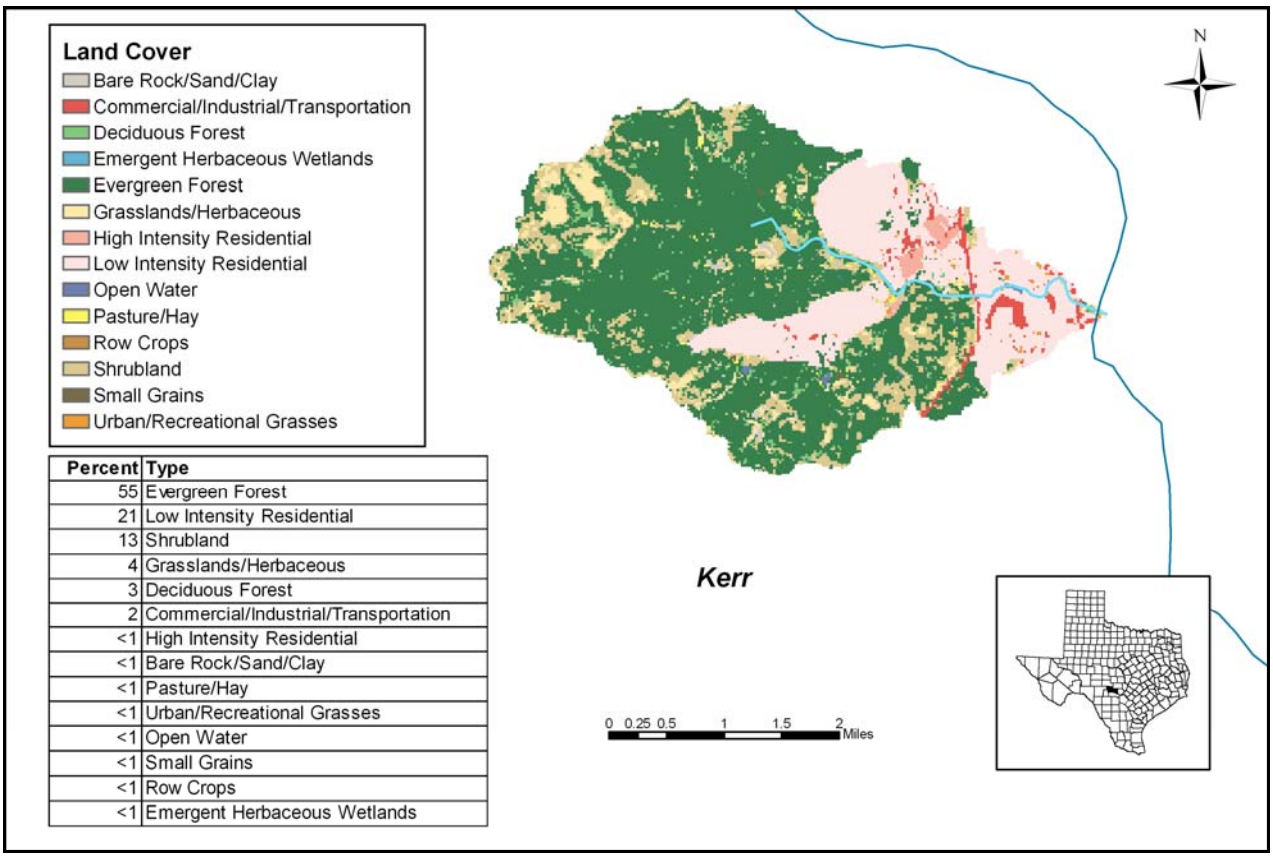


Figure 1. Map showing Sampling Station Locations on Camp Meeting Creek.



Percent	Type
55	Evergreen Forest
21	Low Intensity Residential
13	Shrubland
4	Grasslands/Herbaceous
3	Deciduous Forest
2	Commercial/Industrial/Transportation
<1	High Intensity Residential
<1	Bare Rock/Sand/Clay
<1	Pasture/Hay
<1	Urban/Recreational Grasses
<1	Open Water
<1	Small Grains
<1	Row Crops
<1	Emergent Herbaceous Wetlands

Figure 2. Land Use Map for Segment 1806A Camp Meeting Creek

HISTORICAL REVIEW

The segment specific uses and criteria for Camp Meeting Creek, as identified in the 2002 305(b) Assessment (TNRCC 2002a), are as follows:

- Limited Aquatic Life Use
- Contact Recreation Use
- Fish Consumption Use

The 2000 303(d) List (TNRCC 2000a) included Camp Meeting Creek as partially supporting for aquatic life use due to depressed dissolved oxygen levels in the stream. The results of the assessment of samples for the 2000 Water Quality Inventory are given in Table 1. Table 2 lists all TCEQ Monitoring Stations on this segment, and Figures 3 and 4 present photographs for the two Monitoring Stations from which samples were collected during this project.

Table 1. Assessment Samples for Segment 1806A Camp Meeting Creek for the 2000 and 2002 Inventory (Developed from water quality data collected between March 1, 1996 and February 28, 2001)

Segment ID	Year	Uses or Criteria	Level of Support	Method	Samples Taken	Exceeded	% Exceeded
1806A	2000	Limited Aquatic Life Use	Partially Supporting	DO	24	4	16.7

Table 2. All TCEQ Monitoring Stations on Segment 1806A. Green shading indicates Stations used in impairment verification monitoring. Photos for these 2 stations are indicated in the third column.

Station	Station Descriptions	Photograph
12546	Camp Meeting Creek 0.1km above confluence with Guadalupe River in Kerrville, TX	**Figure 3**
17896	Camp Meeting Creek at 1112 Monroe Dr in Kerrville, TX	**Figure 4**

Figure 3. Station 12546

Figure 4. Station 17896

PROBLEM DEFINITION

TAMUK and CBI led an effort for the TCEQ to assess the water quality in Camp Meeting Creek (Segment 1806A). This segment was included on the 2000 State of Texas Clean Water Act 303(d) (TNRCC 2000a) list as partially supporting for aquatic life use due to depressed levels of dissolved oxygen. The initial phase of the project required that the impairment first be verified through the collection of additional physical, chemical, and biological data to fill in data and knowledge gaps as well as determining what course of action, if any, needed to be taken to address the impairment. The additional data would result in one of four outcomes: 1) removal from the 303(d) List, 2) an evaluation of applicable water quality standards (aquatic life use impairments only), 3) establishing TMDL for the given constituent and the impairment, or 4) collect additional data. Figure 6 outlines this decision making procedure for aquatic life impairments in graphical form.

ASSESSMENT METHODOLOGY

The 2002 305(b) Water Quality Inventory implemented several changes to the guidance for assessing surface waters (Sullivan et al. 2004) and these changes were incorporated into the assessment methodologies for this project as described in this section:

- **Dissolved oxygen monitoring.** The 2000 Water Quality Inventory determined that aquatic life uses on Segment 1806A were impaired primarily based on instantaneous grab samples. This type of sample presents only a small snapshot of the existing water quality conditions. The 2002 Assessment Guidance (TNRCC 2002) specified that impairment determinations requiring restorative actions could only be made using 24-hour composite data, which gives a more accurate representation of the aquatic life uses for the stream. This requires the use of data logging equipment to obtain the specified type of data to make reliable use attainment determinations.
- **Development of Assessment Units.** The 2002 Water Quality Inventory also included the use of hydrologically similar portions of entire segments to characterize better the extent of specific use impairment. This approach combines data from several nearby stations to increase the data quantity and, thus, the certainty with respect to the results (Table 3). Previous assessments considered data from the entire water body to be representative of ambient conditions.
- **Binomial Approach.** The 305(b) Water Quality Assessment has incorporated the binomial approach, a statistically-based method for the determination of impairment using varying exceedance percentages based upon the number of samples collected. The binomial approach results in a Type I statistical error that is significantly smaller than that of the previous approach of using a single percent exceedance.

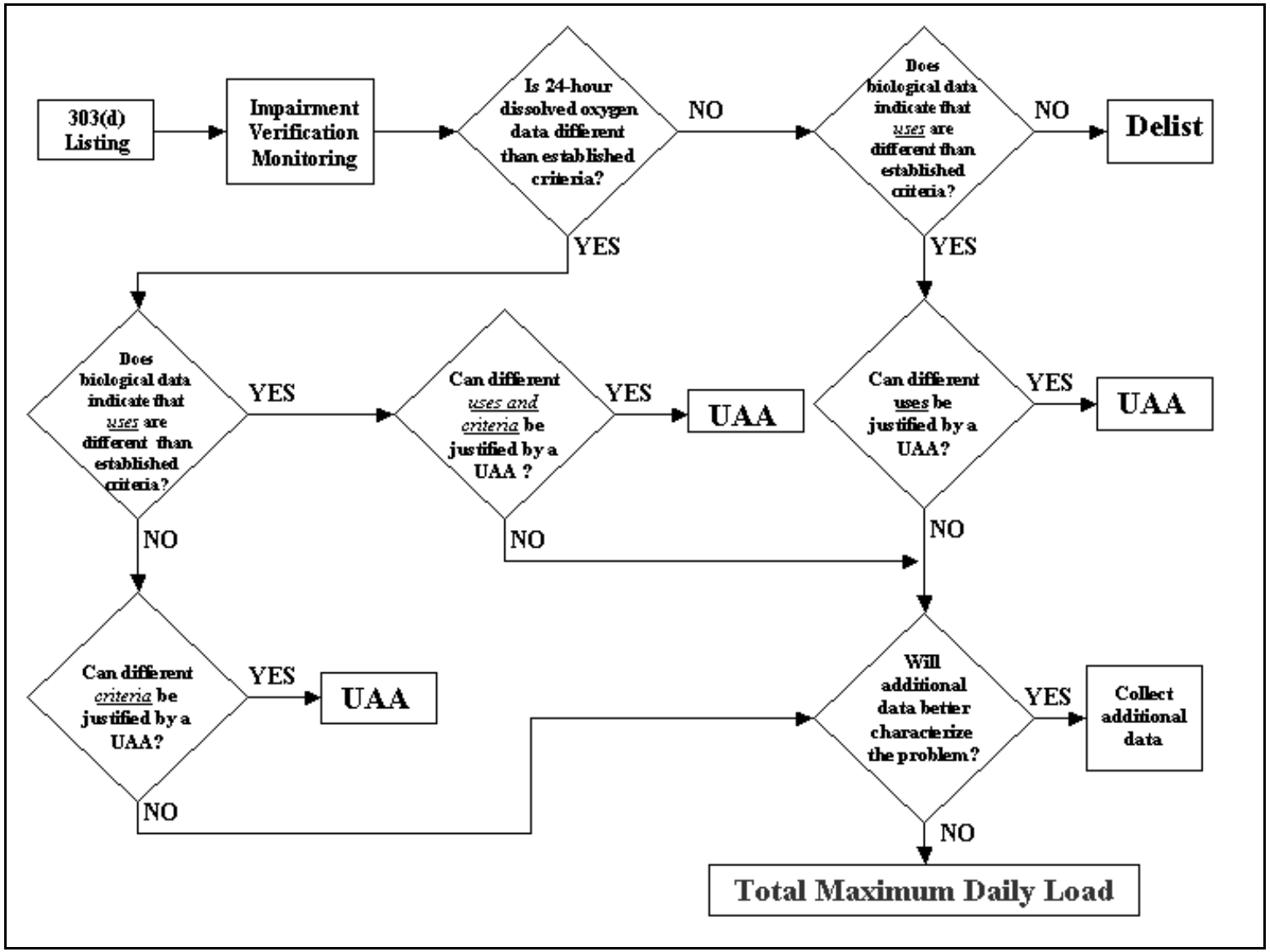


Figure 6 Conceptual Decision Framework

Table 3. Camp Meeting Creek Aquatic Life Assessment Summary (NS=non-supporting, PS=partially supporting, FS=fully supporting)

Segment	Station ID	TMDL Station	TCEQ Station	Assessment Unit Number	Assessment Unit Description	Bacteria Support Status	Aquatic Life Support Status	24hr DO Avg Criteria	24hr DO Min Criteria
1806A	12546	X	X	1806A_02	Lower 4.5 miles	FS	FS	3 mg/L	2 mg/L
1806A	17896	X	X	1806A_03	Upper 4.5 Miles	FS	PS	3 mg/L	2 mg/L

QAPP Development

In order to ensure that data collected under this project were scientifically valid and legally defensible, a Quality Assurance Project Plan (QAPP) was developed by TAMUK. This process ensured that all data submitted to the TCEQ have been collected and analyzed in a way that defines its reliability and, therefore, can be used in TMDL development, stream standards modifications, permit decisions, and water quality assessments.

Monitoring Plan Development

In accordance with the QAPP guidelines a monitoring plan was developed by TAMUK to provide the additional water quality data and information identified in the Historical Data Review as necessary to meet the project objectives. The data collected and assessed for this project included physical, chemical, biological, and hydrological parameters. The collection of these data was coordinated with the appropriate Clean River Partners and TCEQ Regional Offices. The monitoring plan was prepared in accordance with the guidelines established by TCEQ in the Surface Water Quality Monitoring Procedures Manual (TCEQ 2003). The monitoring plan identified the monitoring locations, the monitoring frequency, and the criteria for monitoring and data collection. The monitoring plan also identified the types of samples to be collected, the methods used to gather all data, and the parameters analyzed. Locations of the monitoring stations were determined using Global Positioning System (GPS) coordinates. The monitoring plan listed in detail the equipment and supplies necessary to carry out the monitoring effort.

Data Requirements

Data collected on Camp Meeting Creek met requirements for several different outcomes: de-listing of the segment, standards adjustment, or establishing a TMDL. The primary goal in data collection was to ensure that enough data were collected over the critical sampling period to adequately assess, and, if necessary, re-classify the uses for Camp Meeting Creek.

Station Selection

Several factors were considered when sampling stations (Table 3) were selected for impairment verification:

- Accessibility
- Data history
- Water availability
- Repetitiveness
- Geographic location.

Physical/Chemical Sample Collection

Parameters measured at each sampling station are listed in Table 4. In-stream, multi-probe, data loggers measured dissolved oxygen, temperature, pH, and conductivity over a 24-hour period while flow and stream cross-sections were also measured to estimate loading of various chemical constituents. Samples were collected for laboratory analysis during each station visit. Analyses of these samples included routine TCEQ water monitoring constituents. All sampling procedures were included in the QAPP.

Biological Sample Collection

Biological data were collected on the segment during three separate events. Nekton, benthic, and habitat data were collected during each of these sampling events in accordance with the TCEQ Receiving Waters Assessment Procedures Manual (TNRCC 1999). These data were collected primarily to support a use reclassification, if necessary. Volume 2 presents all biological results and analyses.

Table 4. Parameters Measured.

PARAMETER	UNITS	METHOD TYPE	METHOD	STORET Code	AWRL	PRECISION of laboratory duplicates (RPD)	ACCURACY of matrix spikes % Recovery	AWRL Calibration Standard % Recovery	Laboratory Performing Analysis
pH	*pH. units*	*Multi parameter probe*	*EPA 150.1and TCEQ SOP*	*00400*	*NA*	*10*	*NA*	*NA*	*Field*
DO	*mg/L*	*Multi parameter probe*	*EPA 360.1and TCEQ SOP*	*00300*	*NA*	*10*	*NA*	*NA*	*Field*
DO 24-hr min.	*mg/L*	*Multi parameter probe*	*EPA 360.1and TCEQ SOP*	*89855*	*NA*	*10*	*NA*	*NA*	*Field*
DO 24-hr max.	*mg/L*	*Multi parameter probe*	*EPA 360.1and TCEQ SOP*	*89856*	*NA*	*10*	*NA*	*NA*	*Field*
DO 24-hr avg.	*mg/L*	*Multi parameter probe*	*EPA 360.1and TCEQ SOP*	*89857*	*NA*	*10*	*NA*	*NA*	*Field*
DO number of meas.	*mg/L*	*Multi parameter probe*	*EPA 360.1and TCEQ SOP*	*89858*	*NA*	*10*	*NA*	*NA*	*Field*
Conductivity	*uS/cm*	*Multi parameter probe*	*EPA 120.1and TCEQ SOP*	*00094*	*NA*	*10*	*NA*	*NA*	*Field*
Temperature	*°Celsius*	*Multi parameter probe*	*EPA 170.1and TCEQ SOP*	*00010*	*NA*	*10*	*NA*	*NA*	*Field*
Secchi Depth	*meters*	*Secchi disc*	*TCEQ SOP*	*00078*	*NA*	*20*	*NA*	*NA*	*Field*
Days since last significant rainfall	*days*		*TCEQ SOP*	*72053*	*NA*	*NA*	*NA*	*NA*	*Field*
Flow	*cfs*		*TCEQ SOP and ADCP*	*00061*	*NA*	*NA*	*NA*	*NA*	*Field*
Flow Severity	*1-no flow, 2-low,*		*TCEQ SOP*	*01351*	*NA*	*NA*	*NA*	*NA*	*Field*

PARAMETER	UNITS	METHOD TYPE	METHOD	STORET Code	AWRL	PRECISION of laboratory duplicates (RPD)	ACCURACY of matrix spikes % Recovery	AWRL Calibration Standard % Recovery	Laboratory Performing Analysis
	3-normal, 4-flood, 5-high, 6-dry								
TSS	*mg/L*	*gravimetric*	*EPA 160.2*	*00530*	*4.0*	*20*	*NA*	*NA*	*SATL*
TOC	*mg/L*	*combustion-infrared*	*SM 5310B*	*00680*					*SATL*
Alkalinity	*mg/L*	*titrimetric*	*EPA 310.1*	*00410*	*10*	*10*	*80-120*	*NA*	*SATL*
Sulfate	*mg/L*	*turbidimetric*	*EPA 375.4*	*00945*	*10*	*10*	*80-120*	*75-125*	*SATL*
Chloride	*mg/L*	*titrimetric*	*SM 4500*	*00940*	*10*	*10*	*80-120*	*75-125*	*SATL*
Ammonia-N	*mg/L*	*titrimetric*	*EPA 350.2*	*00610*	*0.06*	*10*	*80-120*	*75-125*	*SATL*
O-phosphate-P	*mg/L*	*colorimetric*	*EPA 365.2*	*00671*	*0.04*	*10*	*80-120*	*75-125*	*SATL*
Nitrate/nitrite-N	*mg/L*	*spectro-photometer*	*EPA 353.3*	*00631*	*0.04*	*10*	*80-120*	*75-125*	*SATL*
Total Phosphorus	*mg/L*	*colorimetric*	*EPA 365.2*	*00665*	*0.04*	*10*	*80-120*	*75-125*	*SATL*
Total Kjeldahl Nitrogen	*mg/L*	*ion selective electrode*	*EPA 351.3*	*00625*	*0.2*	*10*	*80-120*	*75-125*	*SATL*
Chlorophyll-A	*ug/L*	*colorimetric*	*SM 10200-H*	*32211*	*5.0*	*20*	*NA*	*75-125*	*SATL*
Pheophytin-A	*ug/L*	*colorimetric*	*SM 10200-H*	*32218*	*3.0*	*20*	*NA*	*75-125*	*SATL*
CBOD	*mg/L*	*incubation*	*EPA 405.1*	*00307*	*2.0*	*10*	*N/A*	*N/A*	*SATL*

SATL: San Antonio Testing Laboratory\

AWRL: Ambient Water Reporting Limit

RESULTS

Two Assessment Units (AU) were identified for impairment verification in this study. The 24-hour, dissolved-oxygen average values (Table 5) collected during this project for the two AUs were plotted against time with the TCEQ standard of 3 mg/L for limited aquatic life use as benchmark (Figures 7 and 8). Out of a total of 26 samples collected on Camp Meeting Creek, 3 samples had average dissolved oxygen values below the average criterion (3 mg/L). Similarly, 4 of the 26 samples (Table 6) were at or below the TCEQ minimum criteria of 2 mg/L (Figures 9 and 10). Statistics for the non-critical field and laboratory parameters are presented in Tables 7 and 8, respectively.

Table 5. Statistics for 24-hour DO average values.

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
1806A_02	12546	14	5.24	1.13	8.22	3.54
1806A_03	17896	12	5.77	2.96	11.03	1.16

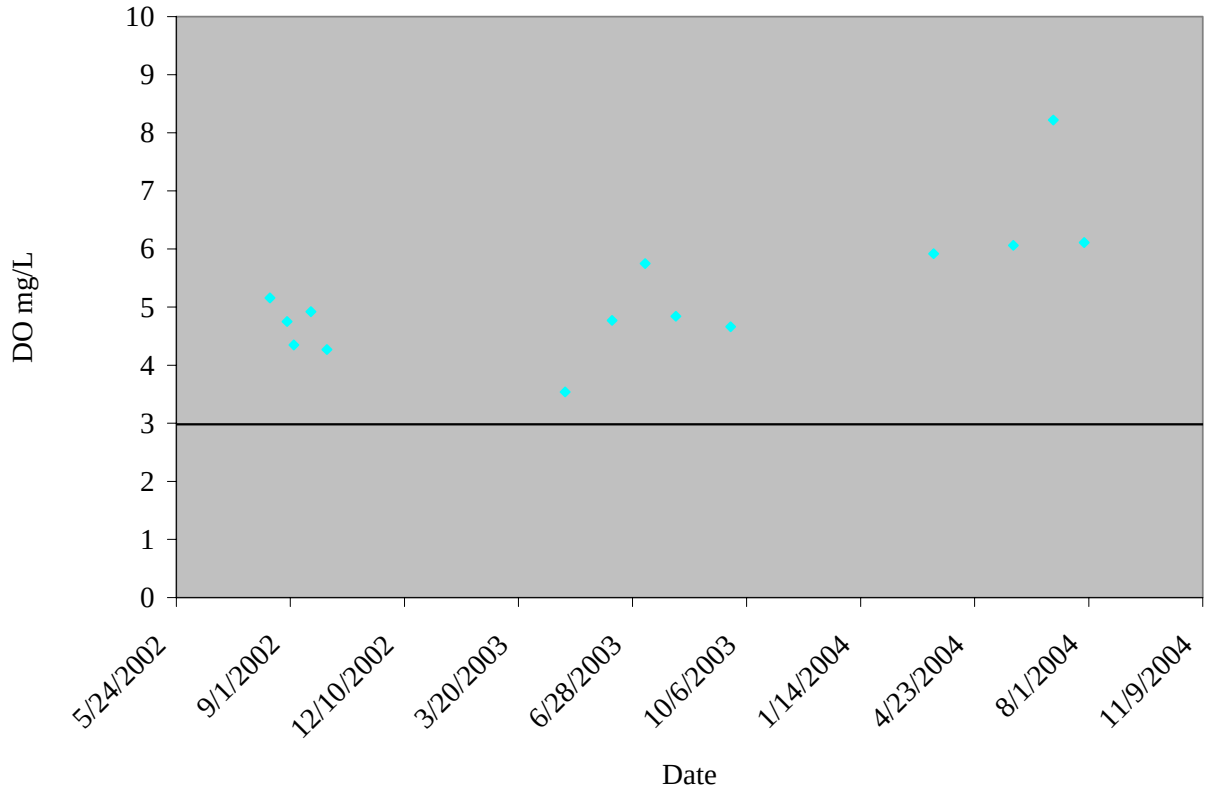


Figure 7. Plot of average 24-hour DO measurements at Camp Meeting Creek Assessment Unit 2 Station 12546

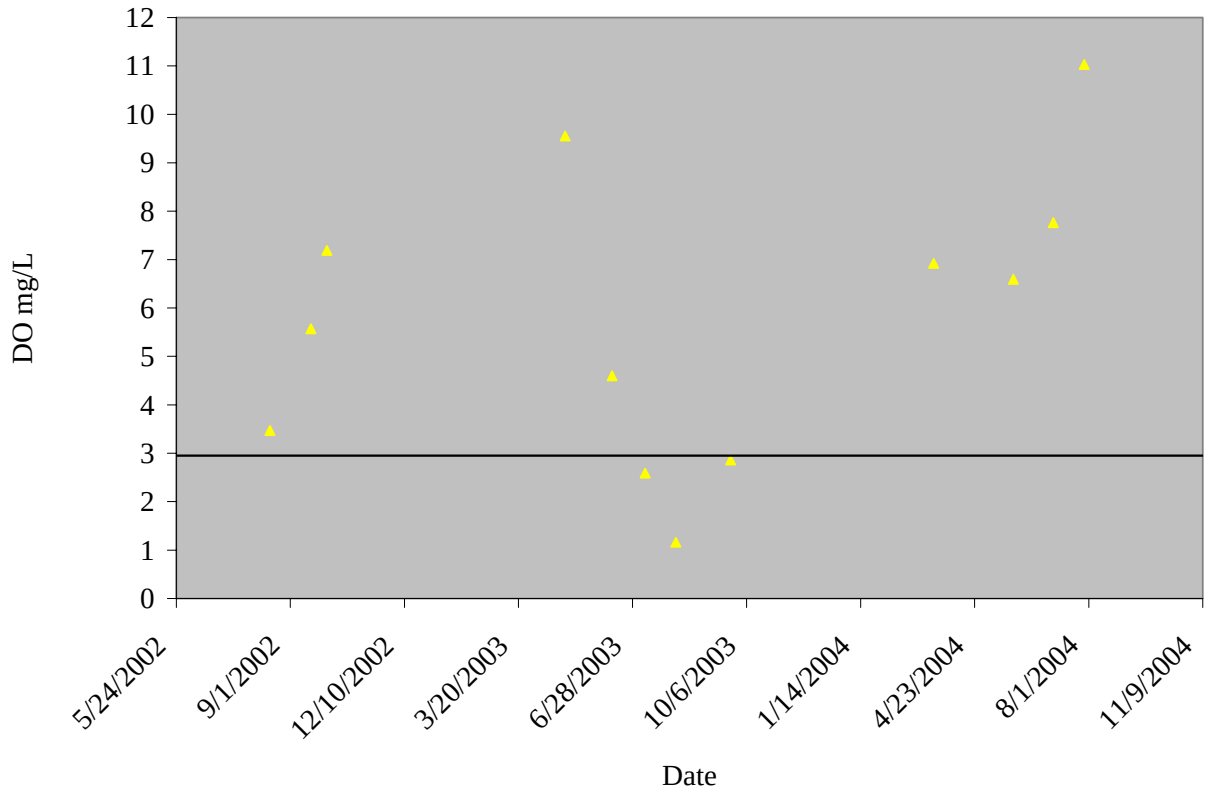


Figure 6. Plot of average 24-hour DO measurements at Camp Meeting Creek Assessment Unit 3 Station 17896

Table 6. Statistics for 24-hour DO Minimum Values

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
1806A_02	12546	14	3.78	1.66	7.90	1.49
1806A_03	17896	12	4.84	2.76	9.01	0.25

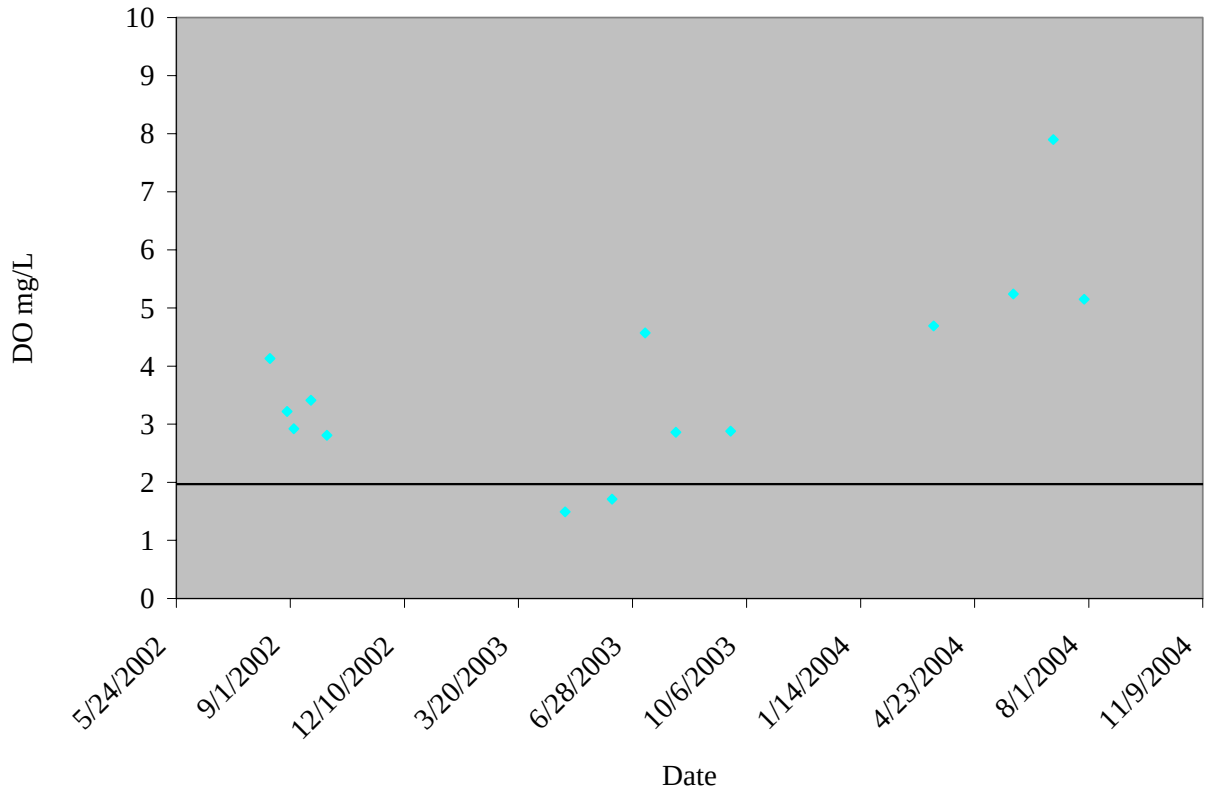


Figure 7. Plot of Minimum 24-hour DO values at Camp Meeting Creek Assessment Unit 2 Station 12546

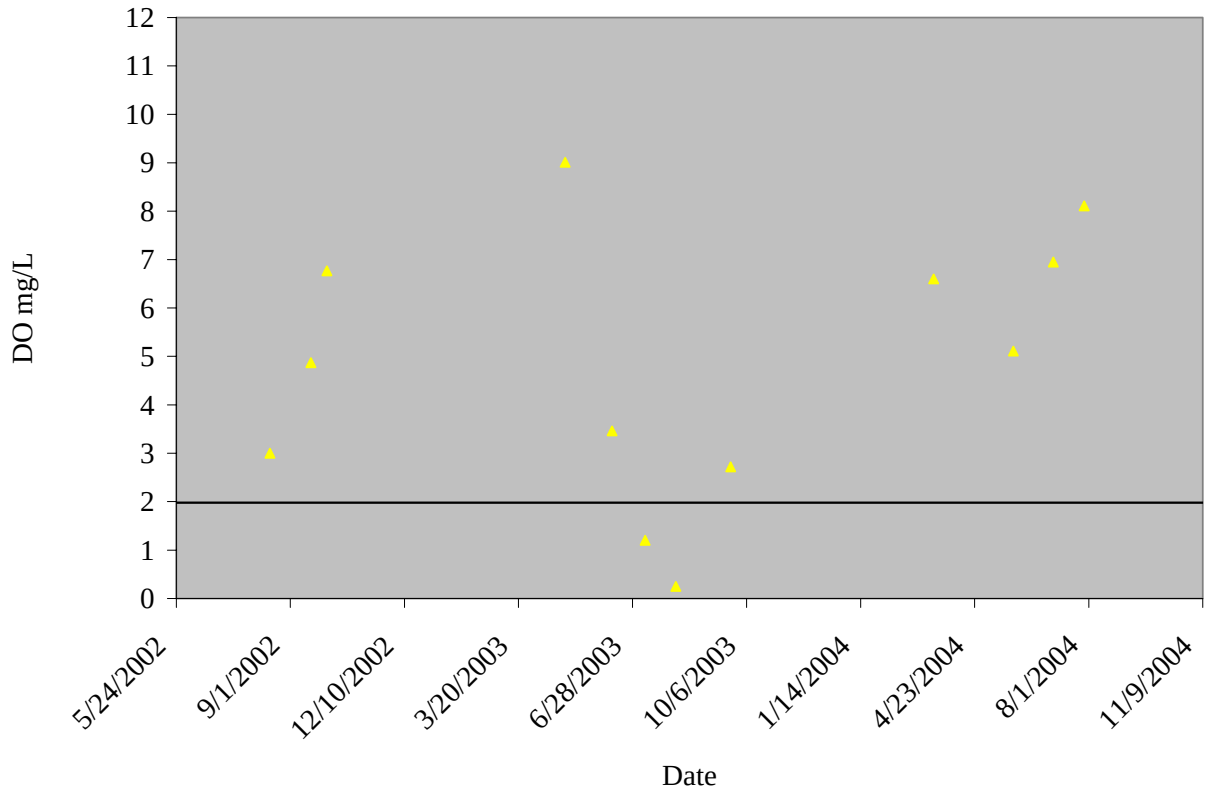


Figure 10. Plot of Minimum 24-hour DO values at Camp Meeting Creek Assessment Unit 3 Station 17896

Table 7. Statistics for non-critical field parameters

Station Identification	Parameters	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
12546	Temp (Celsius)	14	23.04	2.11	26.28	20.18
17896	Temp (Celsius)	13	24.19	1.93	26.50	20.65
12546	pH	13	7.35	0.39	8.02	6.46
17896	pH	12	7.52	0.28	7.94	6.99
12546	Spot DO (mg/L)	12	5.79	1.94	8.79	2.81
17896	Spot DO (mg/L)	11	5.61	3.99	14.41	0.82
12546	Specific Conductivity (microsiemens/cm)	13	668.67	363.59	1701.00	0.69
17896	Specific Conductivity (microsiemens/cm)	11	632.51	398.00	1701.00	0.63
12546	24hr DO Max (mg/L)	14	7.68	0.92	9.20	6.17
17896	24hr DO Max (mg/L)	12	6.97	3.22	13.78	2.82
12546	Flow (cfs)	12	3.38	7.36	26.57	0.24
17896	Flow (cfs)	11	1.02	0.77	3.00	0.27

Table 8. Statistics for laboratory parameters

Station Identification	Parameter	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
12546	Alkalinity (mg/L)	12	244.40	41.45	308.98	173.51
17896	Alkalinity (mg/L)	12	258.87	37.24	305.17	165.89
12546	Chloride (mg/L)	11	41.91	9.04	59.00	26.00
17896	Chloride (mg/L)	11	28.76	7.63	43.00	19.80
12546	Sulfate (mg/L)	9	33.81	15.92	66.55	12.46
17896	Sulfate (mg/L)	8	19.71	18.14	61.58	7.20
12546	TSS (mg/L)	5	3.40	1.14	5.00	2.00
17896	TSS (mg/L)	5	1.60	1.34	4.00	1.00
12546	Ammonia (mg/L)	10	0.52	0.50	<1.00	<0.03
17896	Ammonia (mg/L)	10	0.52	0.50	<1.00	<0.03
12546	Phosphate (mg/L)	10	0.02	0.03	<0.10	<0.01
17896	Phosphate (mg/L)	10	0.02	0.03	<0.10	<0.01
12546	Orthophosphate (mg/L)	11	0.39	1.24	4.12	<0.01
17896	Orthophosphate (mg/L)	11	0.12	0.32	1.07	<0.01
12546	TKN (mg/L)	10	0.57	0.47	<1.00	<0.05
17896	TKN (mg/L)	10	0.57	0.47	<1.00	<0.05
12546	TOC (mg/L)	14	3.06	2.27	7.30	<1.00
17896	TOC (mg/L)	14	4.27	2.81	8.78	<1.00
12546	Chlorophyll A (ug/L)	13	2.87	4.04	<10.00	<0.25
17896	Chlorophyll A (ug/L)	14	2.24	3.39	<10.00	<0.25
12546	Phenophytin A (ug/L)	13	1.88	2.52	8.64	<0.25
17896	Phenophytin A (ug/L)	14	1.63	1.90	<5.00	<0.25
12546	Nitrate/Nitrite (mg/L)	10	0.40	0.53	1.60	<0.03
17896	Nitrate/Nitrite (mg/L)	10	0.14	0.30	<1.00	<0.01

DISCUSSION

Water quality assessment has improved dramatically with introduction of new analytical techniques and methodologies. These include the development of Assessment Units, the use of the binomial approach for data analysis, and the use of 24-hour dissolved oxygen measurements. The most significant improvement directly related to data collected on Segment 1806A is the use of 24-hour dissolved oxygen averages in place of the (historical) instantaneous measurements. The 24-hour average dissolved oxygen measurements provide a more accurate representation of the true health of the stream in relation to dissolved oxygen levels. In addition, the use of this parameter allows for a more realistic comparison to the 24-hour criteria. The results from the physical and chemical data collected by the TAMUK/CBI team on Camp Meeting Creek indicate impairment due to depressed levels of dissolved oxygen. Of the 26 24-hour dissolved oxygen samples taken, 3 had an average value that were below the TCEQ average criteria, and 4 were at or below the TCEQ minimum criteria associated with a the presumed "limited aquatic life use". As a result of these findings, Camp Meeting Creek will continue to be designated as impaired due to non-support of aquatic life use resulting from depressed dissolved oxygen and the presumption that Camp Meeting Creek is an unclassified waterbody with limited aquatic use standards may need to be changed due to the fact that the flow within the stream appears to be perennial..

ESTABLISHING A TMDL FOR CAMP MEETING CREEK

Beginning in September of 2005, TEES and the TCEQ will begin the process of establishing a TMDL for Camp Meeting Creek. A TMDL determines the maximum amount of a pollutant a water body can receive and still maintain its uses. The allowable amount of the specific pollutant is determined as a load and is allocated across the sources within the watershed. Impaired water bodies are included in Category 5a of the 303(d) list. These water bodies are categorized by the fact that a TMDL is underway, scheduled or will be scheduled in the future.

Main Elements of a TMDL

- Problem Definition
- Endpoint Identification
- Source Analysis
- Linkage between sources and receiving waters
- Margin of Safety
- Pollutant load allocation (point, non-point, and natural)

This process includes the collection of event based monitoring data for the streams, establishing a stakeholder steering committee for the watershed, and the development of water quality and watershed models for simulating pollutant loading scenarios. The end result of this process will either be the development of the TMDL which will provide a plan to restore impaired uses. Following the approval of the TMDL, an Implementation Plan (IP) or Watershed Restoration Plan (WRP) is then developed. IPs are remedial actions for impaired waters and are based on TMDLs; WRPs may be either remedial or preventative and use other measurable goals for water

quality. Both have the same goal of improving water quality within the stream and involve both regulatory and voluntary actions for success.

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TNRCC (2000a) 2000 State of Texas Clean Water Act and Water Quality Inventory Section 303(d) List; http://www.tnrcc.state.tx.us/water/quality/305_303.html#2000.

TNRCC (2000b) Texas Surface Water Quality Standards, Texas Administrative Code, Title 30, Chapter 307.

TNRCC (2002a) Texas State 2002 305(b) Water Quality Inventory http://www.tnrcc.state.tx.us/water/quality/305_303.html#2002

TNRCC (2002b) Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, Austin, Texas.

ACKNOWLEDGEMENTS

This project was funded in part by Clean Water Act, Section 106: Water Pollution Control Program Grant (EPA Grant # 98665302) and Clean Water Act, Section 319: Non-point Source Program Grant.

Appendix A
Fact Sheets

(based on data from 03/01/1998 to 02/28/2003)

Camp Meeting Creek (unclassified water body)

Segment: 1806A Guadalupe River Basin

Basin number: 18
Basin group: E
Water body description: From the confluence of Flatrock Lake in southeast Kerrville in Kerr County to the upstream perennial portion of the stream west of Kerrville in Kerr County
Water body classification: Unclassified
Water body type: Freshwater Stream
Water body length / area: 18 Miles
Water body uses: Aquatic Life Use, Contact Recreation Use, Fish Consumption Use

Standards Not Met in 2004 Assessment Area	Use	Support Status	Parameter	Category
Upper 9 miles	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5a

Parameters Removed from the 2002 303(d) List: depressed dissolved oxygen

Additional Information: The contact recreation and general uses are fully supported. The fish consumption use was not assessed.

2004 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
Lower 9 miles	Contact Recreation Use	Use Concern	bacteria
Upper 9 miles	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen

Monitoring sites used: Assessment Area	Station ID	Station Description
Lower 9 miles	12546	CAMP MEETING CREEK, 0.1 KM ABOVE CONFLUENCE WITH GUADALUPE IN KERRVILLE
Upper 9 miles	17896	CAMP MEETING CREEK AT 1112 MONROE DRIVE IN KERRVILLE

Segment ID: 1806A **Water body name:** Camp Meeting Creek (unclassified water body)

Freshwater Stream | Guadalupe River Basin | Total size: 18 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use							
2004	Dissolved Oxygen grab average	Not Assessed	Lower 9 miles	9			
2004	Dissolved Oxygen grab average	Not Assessed	Upper 9 miles	9	0		
2004	Dissolved Oxygen grab minimum	Not Assessed	Lower 9 miles	9			
2004	Dissolved Oxygen grab minimum	Not Assessed	Upper 9 miles	9	0		
2004	Dissolved Oxygen 24hr average	Fully Supporting	Lower 9 miles	9	18	0	
2004	Dissolved Oxygen 24hr average	Partially Supporting	Upper 9 miles	9	8	3	
2004	Dissolved Oxygen 24hr minimum	Fully Supporting	Lower 9 miles	9	18	2	
2004	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Upper 9 miles	9	8	2	
2004	Acute Metals in water	Not Assessed	Lower 9 miles	9			
2004	Acute Metals in water	Not Assessed	Upper 9 miles	9			
2004	Chronic Metals in water	Not Assessed	Lower 9 miles	9			
2004	Chronic Metals in water	Not Assessed	Upper 9 miles	9			
2004	Acute Organics in water	Not Assessed	Lower 9 miles	9			
2004	Acute Organics in water	Not Assessed	Upper 9 miles	9			
2004	Chronic Organics in water	Not Assessed	Lower 9 miles	9			
2004	Chronic Organics in water	Not Assessed	Upper 9 miles	9			
2004	Overall Aquatic Life Use	Fully Supporting	Lower 9 miles	9			
2004	Overall Aquatic Life Use	Partially Supporting	Upper 9 miles	9			
Contact Recreation Use							
2004	E. coli single sample	Use Concern	Lower 9 miles	9	20	6	

Segment ID: 1806A **Water body name:** Camp Meeting Creek (unclassified water body)

Freshwater Stream | Guadalupe River Basin | Total size: 18 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)							
2004	E. coli single sample	No Concern-Limited Data	Upper 9 miles	9	7	0	
2004	E. coli geometric mean	Fully Supporting	Lower 9 miles	9	20		113.7
2004	E. coli geometric mean	No Concern-Limited Data	Upper 9 miles	9	7		37.1
2004	Fecal coliform single sample	Not Assess-Not Represent	Lower 9 miles	9	7	4	
2004	Fecal coliform single sample	No Concern-Limited Data	Upper 9 miles	9	6	0	
2004	Fecal coliform geometric mean	Not Assess-Not Represent	Lower 9 miles	9	7		444
2004	Fecal coliform geometric mean	No Concern-Limited Data	Upper 9 miles	9	6		37.1
2004	Overall Recreation Use	Fully Supporting	Lower 9 miles	9			
2004	Overall Recreation Use	Not Assessed	Upper 9 miles	9			
General Use							
2004	Water Temperature	Fully Supporting	Lower 9 miles	9	33	0	
2004	Water Temperature	Fully Supporting	Upper 9 miles	9	33	0	
2004	pH	Fully Supporting	Lower 9 miles	9	24	0	
2004	pH	Fully Supporting	Upper 9 miles	9	31	0	
2004	Chloride	Fully Supporting	Lower 9 miles	9	18		30.7
2004	Chloride	Fully Supporting	Upper 9 miles	9	18		30.7
2004	Sulfate	Fully Supporting	Lower 9 miles	9	17		32.3
2004	Sulfate	Fully Supporting	Upper 9 miles	9	17		32.3

Segment ID: 1806A **Water body name:** Camp Meeting Creek (unclassified water body)

Freshwater Stream | Guadalupe River Basin | Total size: 18 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)							
2004	Total Dissolved Solids	Not Assessed	Lower 9 miles	9	0		
2004	Total Dissolved Solids	Not Assessed	Upper 9 miles	9	0		
2004	Overall General Use	Fully Supporting	Lower 9 miles	9			
2004	Overall General Use	Fully Supporting	Upper 9 miles	9			
Fish Consumption Use							
2004	Overall Fish Consumption Use	Not Assessed	Lower 9 miles	9			
2004	Overall Fish Consumption Use	Not Assessed	Upper 9 miles	9			
Overall Use Support							
2004		Fully Supporting	Lower 9 miles	9			
2004		Partially Supporting	Upper 9 miles	9			
Nutrient Enrichment Concern							
2004	Ammonia Nitrogen	Not Assessed	Lower 9 miles	9	0		
2004	Ammonia Nitrogen	Not Assessed	Upper 9 miles	9	4	0	
2004	Nitrite + Nitrate Nitrogen	No Concern	Lower 9 miles	9	13	0	
2004	Nitrite + Nitrate Nitrogen	Not Assessed	Upper 9 miles	9	4	0	
2004	Orthophosphorus	Not Assessed	Lower 9 miles	9	0		
2004	Orthophosphorus	Not Assessed	Upper 9 miles	9	5	1	
2004	Total Phosphorus	No Concern	Lower 9 miles	9	13	0	
2004	Total Phosphorus	Not Assessed	Upper 9 miles	9	4	0	
2004	Overall Nutrient Enrichment Concerns	No Concern	Lower 9 miles	9			

Segment ID: 1806A **Water body name:** Camp Meeting Creek (unclassified water body)

Freshwater Stream | Guadalupe River Basin | Total size: 18 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)							
2004	Overall Nutrient Enrichment Concerns	Not Assessed	Upper 9 miles	9			
Algal Growth Concern							
2004	Chlorophyll a	No Concern	Lower 9 miles	9	13		
2004	Chlorophyll a	Not Assessed	Upper 9 miles	9	8		
Sediment Contaminants Concern							
2004	Overall Sediment Contaminant Concerns	Not Assessed	Lower 9 miles	9			
2004	Overall Sediment Contaminant Concerns	Not Assessed	Upper 9 miles	9			
Fish Tissue Contaminants Concern							
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 9 miles	9			
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 9 miles	9			
Public Water Supply Concern							
2004	Finished Water: Overall	No Concern	Lower 9 miles	9			
2004	Finished Water: Overall	No Concern	Upper 9 miles	9			
2004	Surface Water: Chloride	No Concern	Lower 9 miles	9			30.7
2004	Surface Water: Chloride	No Concern	Upper 9 miles	9	18		30.7
2004	Surface Water: Sulfate	No Concern	Lower 9 miles	9			32.3
2004	Surface Water: Sulfate	No Concern	Upper 9 miles	9	17		32.3
2004	Surface Water: Total Dissolved Solids	Not Assessed	Lower 9 miles	9			

Segment ID: 1806A **Water body name:** Camp Meeting Creek (unclassified water body)

Freshwater Stream | Guadalupe River Basin | Total size: 18 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)							
2004	Surface Water: Total Dissolved Solids	Not Assessed	Upper 9 miles	9	0		
2004	Surface Water: Overall	No Concern	Lower 9 miles	9			
Narrative Criteria Concern							
2004	Overall Narrative Criteria Concerns	No Concern	Lower 9 miles	9			
2004	Overall Narrative Criteria Concerns	No Concern	Upper 9 miles	9			
Overall Secondary Concern							
2004		No Concern	Lower 9 miles	9			
2004		No Concern	Upper 9 miles	9			

Appendix B
Raw Data

Stationid	Enddate	STORETCODE	DESCRIPTION	GTLT	VALUE	Segment
17896	9/19/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.48	1806A
12546	5/26/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.73	1806A
12546	9/22/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.34	1806A
17896	7/28/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.02	1806A
12546	7/28/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.28	1806A
17896	10/3/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.78	1806A
17896	5/26/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.59	1806A
12546	5/1/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.18	1806A
17896	7/1/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.75	1806A
12546	10/3/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.25	1806A
12546	9/4/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.55	1806A
12546	7/1/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.26	1806A
17896	8/6/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.79	1806A
17896	9/4/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.5	1806A
12546	8/6/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.89	1806A
17894	9/26/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.37	1806A
12546	8/29/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.08	1806A
12546	9/19/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.91	1806A
17896	6/11/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.74	1806A
17896	8/14/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.5	1806A
12546	3/18/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.8	1806A
17896	7/9/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.54	1806A
17896	5/1/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.65	1806A
12546	8/14/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.01	1806A
12546	7/9/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.12	1806A
17896	3/18/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.1	1806A
17896	9/22/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.03	1806A
12546	6/11/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.13	1806A
17894	9/26/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.158	1806A
17896	8/29/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.503	1806A
12546	8/29/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.889	1806A
12546	7/1/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		26.57	1806A
17896	3/18/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.89	1806A
12546	3/18/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.615	1806A
17896	9/22/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.273	1806A
17896	9/4/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.56	1806A
12546	9/4/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.79	1806A
17896	9/19/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.132	1806A
12546	5/1/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.71	1806A
12546	9/22/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.2395	1806A
17896	7/9/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.29	1806A
17896	10/3/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.63	1806A
17896	6/11/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.097	1806A
12546	6/11/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.99	1806A
12546	9/19/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.946	1806A
12546	5/26/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.099	1806A
12546	10/3/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.4	1806A
17896	8/6/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.514	1806A
17896	5/1/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.359	1806A
12546	7/9/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.53	1806A
12546	7/28/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.811	1806A
17896	8/14/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3	1806A
12546	7/1/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	8/29/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	6/11/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	8/6/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	6/11/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	8/14/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	7/9/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	9/22/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	1806A
12546	8/14/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	3/18/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	9/22/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	1806A
17896	5/26/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	10/3/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.4	1806A

12546	5/26/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	10/3/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.7	1806A
12546	7/28/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	9/19/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.2	1806A
12546	8/6/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
12546	7/9/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1.2	1806A
17896	7/1/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17896	3/18/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1806A
17894	9/26/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.25	1806A
17896	8/29/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.64	1806A
17896	7/28/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	1	1806A
17896	5/26/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		611	1806A
12546	8/6/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		713	1806A
12546	10/3/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		711	1806A
17896	9/4/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		496	1806A
12546	7/28/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		607	1806A
17896	7/1/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		527	1806A
12546	6/11/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		548	1806A
12546	7/9/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		569	1806A
17896	9/19/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		669	1806A
12546	9/22/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		765	1806A
12546	8/29/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		610	1806A
12546	3/18/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		1701	1806A
17896	8/14/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		0.63	1806A
12546	9/19/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		618	1806A
17896	10/3/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		623	1806A
17896	3/18/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		1701	1806A
17896	9/22/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		613	1806A
17896	7/28/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		562	1806A
17894	9/26/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		580	1806A
12546	9/4/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		716	1806A
12546	5/26/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		613	1806A
17896	7/9/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		583	1806A
17896	6/11/2003	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		572	1806A
12546	8/14/2002	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		0.69	1806A
12546	7/1/2004	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		521	1806A
12546	7/28/2004	00300	OXYGEN, DISSOLVED (MG/L)		6.96	1806A
12546	9/22/2003	00300	OXYGEN, DISSOLVED (MG/L)		3.78	1806A
17896	7/28/2004	00300	OXYGEN, DISSOLVED (MG/L)		14.41	1806A
17896	5/26/2004	00300	OXYGEN, DISSOLVED (MG/L)		5.48	1806A
17896	9/22/2003	00300	OXYGEN, DISSOLVED (MG/L)		2.79	1806A
17894	9/26/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.02	1806A
12546	10/3/2002	00300	OXYGEN, DISSOLVED (MG/L)		2.81	1806A
12546	5/26/2004	00300	OXYGEN, DISSOLVED (MG/L)		5.99	1806A
17896	8/14/2002	00300	OXYGEN, DISSOLVED (MG/L)		3.45	1806A
17896	9/19/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.49	1806A
17896	10/3/2002	00300	OXYGEN, DISSOLVED (MG/L)		7.04	1806A
12546	9/19/2002	00300	OXYGEN, DISSOLVED (MG/L)		4.29	1806A
12546	7/1/2004	00300	OXYGEN, DISSOLVED (MG/L)		8.79	1806A
12546	8/29/2002	00300	OXYGEN, DISSOLVED (MG/L)		4.27	1806A
17896	7/9/2003	00300	OXYGEN, DISSOLVED (MG/L)		1.2	1806A
17896	6/11/2003	00300	OXYGEN, DISSOLVED (MG/L)		3.49	1806A
12546	8/14/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.17	1806A
12546	7/9/2003	00300	OXYGEN, DISSOLVED (MG/L)		7.81	1806A
12546	9/4/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.58	1806A
17896	7/1/2004	00300	OXYGEN, DISSOLVED (MG/L)		8.62	1806A
12546	3/18/2004	00300	OXYGEN, DISSOLVED (MG/L)		8.74	1806A
17896	8/6/2003	00300	OXYGEN, DISSOLVED (MG/L)		0.82	1806A
12546	8/6/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.24	1806A
17896	3/18/2004	00300	OXYGEN, DISSOLVED (MG/L)		8.9	1806A
17896	9/22/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
17896	9/4/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
17896	8/14/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
12546	6/11/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)		2	1806A
12546	8/14/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
17896	10/3/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A

12546	9/4/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
12546	10/3/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
12546	9/22/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
17896	6/11/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1806A
12546	7/9/2003	00400	PH (STANDARD UNITS)		7.57	1806A
12546	6/11/2003	00400	PH (STANDARD UNITS)		7.6	1806A
17896	7/9/2003	00400	PH (STANDARD UNITS)		7.18	1806A
17896	6/11/2003	00400	PH (STANDARD UNITS)		7.26	1806A
12546	10/3/2002	00400	PH (STANDARD UNITS)		6.46	1806A
12546	8/14/2002	00400	PH (STANDARD UNITS)		7.45	1806A
12546	5/26/2004	00400	PH (STANDARD UNITS)		7.47	1806A
17896	9/19/2002	00400	PH (STANDARD UNITS)		7.61	1806A
17896	7/28/2004	00400	PH (STANDARD UNITS)		7.82	1806A
17894	9/26/2003	00400	PH (STANDARD UNITS)		7.77	1806A
12546	8/29/2002	00400	PH (STANDARD UNITS)		7.11	1806A
17896	9/4/2002	00400	PH (STANDARD UNITS)		7.78	1806A
12546	8/6/2003	00400	PH (STANDARD UNITS)		7.07	1806A
17896	3/18/2004	00400	PH (STANDARD UNITS)		7.55	1806A
12546	7/1/2004	00400	PH (STANDARD UNITS)		8.02	1806A
17896	8/6/2003	00400	PH (STANDARD UNITS)		6.99	1806A
17896	9/22/2003	00400	PH (STANDARD UNITS)		7.39	1806A
12546	9/4/2002	00400	PH (STANDARD UNITS)		7.25	1806A
17896	7/1/2004	00400	PH (STANDARD UNITS)		7.94	1806A
12546	9/19/2002	00400	PH (STANDARD UNITS)		7.08	1806A
12546	3/18/2004	00400	PH (STANDARD UNITS)		7.59	1806A
17896	8/14/2002	00400	PH (STANDARD UNITS)		7.59	1806A
12546	7/28/2004	00400	PH (STANDARD UNITS)		7.69	1806A
12546	9/22/2003	00400	PH (STANDARD UNITS)		7.24	1806A
17896	5/26/2004	00400	PH (STANDARD UNITS)		7.6	1806A
17896	10/3/2002	00400	PH (STANDARD UNITS)		7.53	1806A
17896	7/28/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230	1806A
17896	8/14/2002	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		300	1806A
17896	6/11/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		277.48	1806A
12546	8/6/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		308.98	1806A
12546	8/14/2002	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		298	1806A
12546	3/18/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		240	1806A
17896	7/9/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		271.08	1806A
12546	5/26/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		244	1806A
17896	5/1/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		165.89	1806A
12546	7/1/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216	1806A
17896	9/19/2002	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		255.79	1806A
12546	10/3/2002	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		241.34	1806A
17896	10/3/2002	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		252.98	1806A
17896	9/22/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		288	1806A
17896	3/18/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		264	1806A
12546	6/11/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.21	1806A
12546	7/28/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		246	1806A
12546	9/22/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		308	1806A
17896	8/6/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		305.17	1806A
12546	9/19/2002	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		221.39	1806A
17896	5/26/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		260	1806A
12546	7/9/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		217.33	1806A
17896	7/1/2004	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236	1806A
12546	5/1/2003	00410	ALKALINITY, TOTAL (MG/L AS CACO3)		173.51	1806A
12546	3/18/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		2	1806A
17896	3/18/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		1	1806A
17896	9/22/2003	00530	TOTAL SUSPENDED SOLIDS (MG/l)	<	1	1806A
17896	5/26/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)	<	1	1806A
12546	7/28/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		3	1806A
12546	7/1/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		4	1806A
17896	7/1/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)	<	1	1806A
17896	7/28/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		4	1806A
12546	5/26/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		5	1806A
12546	9/22/2003	00530	TOTAL SUSPENDED SOLIDS (MG/l)		3	1806A
12546	8/6/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
17896	7/1/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A

12546	9/22/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
17896	6/11/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
12546	7/1/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
17896	7/28/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
12546	8/14/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1	1806A
12546	5/1/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
17896	3/18/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
17896	7/9/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
17896	8/6/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
17896	9/22/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
17896	5/26/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
17896	8/14/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1	1806A
17896	5/1/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
12546	3/18/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
12546	5/26/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
12546	7/9/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
12546	7/28/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	1806A
12546	6/11/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1806A
12546	9/22/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	7/9/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	9/22/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
12546	6/11/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	6/11/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	8/14/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.54	1806A
12546	8/14/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.5	1806A
17896	7/1/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
12546	8/6/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	5/26/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
12546	5/1/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	7/28/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
12546	5/26/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
12546	7/1/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
17896	8/6/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
12546	3/18/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
17896	3/18/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
12546	7/28/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	1806A
12546	7/9/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	5/1/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1806A
17896	6/11/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.01	1806A
12546	7/1/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
17896	3/18/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
12546	8/14/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	1	1806A
12546	7/9/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.23	1806A
17896	7/1/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
17896	7/28/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
12546	5/26/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.05	1806A
17896	5/1/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.05	1806A
17896	5/26/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
17896	8/6/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.01	1806A
17896	7/9/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.01	1806A
12546	3/18/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
12546	6/11/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.3	1806A
17896	8/14/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	1	1806A
12546	8/6/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.61	1806A
12546	7/28/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	1806A
12546	9/22/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.6	1806A
12546	5/1/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.03	1806A
17896	9/22/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.1	1806A
12546	6/11/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	7/28/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	7/28/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	6/11/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.034	1806A
17896	8/14/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.1	1806A
12546	8/14/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.1	1806A
17896	9/22/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	5/1/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A

17896	3/18/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.028	1806A
17896	5/1/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	7/9/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	7/9/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	3/18/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.057	1806A
12546	7/1/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	5/26/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	8/6/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	5/26/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	9/22/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	7/1/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
12546	8/6/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	1806A
17896	7/9/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1.07	1806A
12546	8/6/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
12546	7/9/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	8/6/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
12546	5/26/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
12546	7/28/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	8/14/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.1	1806A
17896	7/28/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
12546	8/14/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.1	1806A
12546	7/1/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	7/1/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	5/26/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	10/3/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.01	1806A
12546	10/3/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	5/1/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.03	1806A
12546	3/18/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.038	1806A
17896	9/22/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
12546	5/1/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		4.12	1806A
12546	6/11/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.01	1806A
17896	6/11/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.01	1806A
17896	3/18/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.027	1806A
12546	9/22/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1806A
17896	7/9/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.03	1806A
17896	8/14/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.8	1806A
17896	6/11/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.81	1806A
12546	8/14/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.1	1806A
12546	8/29/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	1806A
17896	8/29/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	1806A
12546	9/19/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		2.04	1806A
12546	9/4/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	1806A
17896	5/1/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		8.78	1806A
12546	8/6/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.74	1806A
17896	9/19/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.59	1806A
12546	10/3/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.76	1806A
12546	5/1/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.4	1806A
12546	6/11/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		2.62	1806A
17896	10/3/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.53	1806A
17896	8/6/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.65	1806A
12546	7/9/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	1806A
17896	9/4/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.53	1806A
12546	3/18/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		2.5	1806A
17896	7/28/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		8.5	1806A
17896	7/1/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.9	1806A
12546	7/1/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.1	1806A
12546	5/26/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.3	1806A
17896	9/22/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.9	1806A
17896	3/18/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.9	1806A
17896	5/26/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.9	1806A
12546	9/22/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	1806A
12546	7/28/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.3	1806A
17896	8/7/2003	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
12546	6/11/2003	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
17896	9/3/2002	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
17896	6/11/2003	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A

12546	8/7/2003	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
12546	9/4/2002	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
17896	10/3/2002	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
12546	10/3/2002	00800	Channel Flow Status 1=high 2-moderate 3=low 4=no flow		2	1806A
12546	10/3/2002	00812	Statewide criteria IBI Score	Int	44	1806A
12546	9/4/2002	00812	Statewide criteria IBI Score	Int	40	1806A
12546	8/7/2003	00812	Statewide criteria IBI Score	IntHg	46	1806A
17896	10/3/2002	00812	Statewide criteria IBI Score	Int	44	1806A
17896	6/11/2003	00812	Statewide criteria IBI Score	Int	42	1806A
17896	8/7/2003	00812	Statewide criteria IBI Score	Int	42	1806A
17896	9/3/2002	00812	Statewide criteria IBI Score	LmInt	38	1806A
12546	6/11/2003	00812	Statewide criteria IBI Score	Int	42	1806A
17896	10/3/2002	00813	Number of native cyprinid species		0	1806A
17896	6/11/2003	00813	Number of native cyprinid species		1	1806A
12546	10/3/2002	00813	Number of native cyprinid species		3	1806A
12546	6/11/2003	00813	Number of native cyprinid species		3	1806A
17896	9/3/2002	00813	Number of native cyprinid species		0	1806A
17896	8/7/2003	00813	Number of native cyprinid species		0	1806A
12546	8/7/2003	00813	Number of native cyprinid species		2	1806A
12546	9/4/2002	00813	Number of native cyprinid species		1	1806A
12546	8/7/2003	00814	Number of benthic invertivore species		2	1806A
17896	9/3/2002	00814	Number of benthic invertivore species		0	1806A
17896	8/7/2003	00814	Number of benthic invertivore species		0	1806A
12546	9/4/2002	00814	Number of benthic invertivore species		3	1806A
17896	10/3/2002	00814	Number of benthic invertivore species		0	1806A
12546	10/3/2002	00814	Number of benthic invertivore species		2	1806A
17896	6/11/2003	00814	Number of benthic invertivore species		0	1806A
12546	6/11/2003	00814	Number of benthic invertivore species		1	1806A
17896	8/7/2003	00816	Percentage of individuals as tolerants ex.G.affinis		5.3	1806A
12546	10/3/2002	00816	Percentage of individuals as tolerants ex.G.affinis		17.1	1806A
17896	9/3/2002	00816	Percentage of individuals as tolerants ex.G.affinis		11.9	1806A
17896	6/11/2003	00816	Percentage of individuals as tolerants ex.G.affinis		16	1806A
17896	10/3/2002	00816	Percentage of individuals as tolerants ex.G.affinis		10.39	1806A
12546	8/7/2003	00816	Percentage of individuals as tolerants ex.G.affinis		1.7	1806A
12546	9/4/2002	00816	Percentage of individuals as tolerants ex.G.affinis		47.4	1806A
12546	6/11/2003	00816	Percentage of individuals as tolerants ex.G.affinis		13	1806A
12546	9/4/2002	00817	Number of individuals/seine haul		5.3	1806A
17896	9/3/2002	00817	Number of individuals/seine haul		1.5	1806A
17896	8/7/2003	00817	Number of individuals/seine haul		13.8	1806A
17896	6/11/2003	00817	Number of individuals/seine haul		12.8	1806A
12546	6/11/2003	00817	Number of individuals/seine haul		23.8	1806A
12546	10/3/2002	00817	Number of individuals/seine haul		1	1806A
12546	8/7/2003	00817	Number of individuals/seine haul		19	1806A
17896	10/3/2002	00817	Number of individuals/seine haul		16.17	1806A
12546	10/3/2002	00818	Number of individuals/min electrofishing		7.8	1806A
12546	6/11/2003	00818	Number of individuals/min electrofishing		10	1806A
17896	8/7/2003	00818	Number of individuals/min electrofishing		4.67	1806A
12546	9/4/2002	00818	Number of individuals/min electrofishing		3.1	1806A
12546	8/7/2003	00818	Number of individuals/min electrofishing		19.5	1806A
17896	6/11/2003	00818	Number of individuals/min electrofishing		4.9	1806A
17896	10/3/2002	00818	Number of individuals/min electrofishing		3.8	1806A
17896	9/3/2002	00818	Number of individuals/min electrofishing		3.9	1806A
17896	8/7/2003	00819	Percentage of ind. as non-native species		0	1806A
12546	10/3/2002	00819	Percentage of ind. as non-native species		4.07	1806A
17896	10/3/2002	00819	Percentage of ind. as non-native species		0	1806A
17896	9/3/2002	00819	Percentage of ind. as non-native species		8.96	1806A
12546	8/7/2003	00819	Percentage of ind. as non-native species		0	1806A
12546	9/4/2002	00819	Percentage of ind. as non-native species		8.97	1806A
12546	6/11/2003	00819	Percentage of ind. as non-native species		2	1806A
17896	6/11/2003	00819	Percentage of ind. as non-native species		2	1806A
17896	10/3/2002	00820	Regional Criteria IBI Score	Hgh	47	1806A
17896	9/3/2002	00820	Regional Criteria IBI Score	Int	37	1806A
17896	8/7/2003	00820	Regional Criteria IBI Score	Hgh	45	1806A
12546	8/7/2003	00820	Regional Criteria IBI Score	Hgh	43	1806A
12546	6/11/2003	00820	Regional Criteria IBI Score	Hgh	48	1806A
17896	6/11/2003	00820	Regional Criteria IBI Score	Hgh	47	1806A

12546	10/3/2002	00820	Regional Criteria IBI Score	Hgh	46	1806A
12546	9/4/2002	00820	Regional Criteria IBI Score	Int	41	1806A
17896	8/7/2003	00832	Total RBP Score	Hgh	30	1806A
17896	6/11/2003	00832	Total RBP Score	Int	28	1806A
12546	6/11/2003	00832	Total RBP Score	Int	26	1806A
12546	10/3/2002	00832	Total RBP Score	Int	28	1806A
17896	9/3/2002	00832	Total RBP Score	Hgh	30	1806A
12546	9/4/2002	00832	Total RBP Score	Int	24	1806A
17896	10/3/2002	00832	Total RBP Score	Hgh	31	1806A
12546	8/7/2003	00832	Total RBP Score	Lim	22	1806A
17896	10/3/2002	00833	Habitat Quality Index	Hgh	20	1806A
17896	6/11/2003	00833	Habitat Quality Index	Hgh	21	1806A
12546	9/4/2002	00833	Habitat Quality Index	Int	19	1806A
12546	6/11/2003	00833	Habitat Quality Index	Int	18	1806A
12546	8/7/2003	00833	Habitat Quality Index	Hgh	21	1806A
12546	10/3/2002	00833	Habitat Quality Index	Int	18	1806A
17896	8/7/2003	00833	Habitat Quality Index	Hgh	21	1806A
17896	9/3/2002	00833	Habitat Quality Index	Hgh	22	1806A
17896	9/22/2003	00940	CHLORIDE (MG/L AS CL)		43	1806A
12546	9/22/2003	00940	CHLORIDE (MG/L AS CL)		59	1806A
12546	7/1/2004	00940	CHLORIDE (MG/L AS CL)		26	1806A
12546	7/28/2004	00940	CHLORIDE (MG/L AS CL)		38	1806A
12546	9/19/2002	00940	CHLORIDE (MG/L AS CL)		35.53	1806A
17896	7/1/2004	00940	CHLORIDE (MG/L AS CL)		22	1806A
17896	6/11/2003	00940	CHLORIDE (MG/L AS CL)		23.52	1806A
12546	3/18/2004	00940	CHLORIDE (MG/L AS CL)		32	1806A
12546	8/6/2003	00940	CHLORIDE (MG/L AS CL)		44.05	1806A
17896	10/3/2002	00940	CHLORIDE (MG/L AS CL)		28.3	1806A
17896	7/9/2003	00940	CHLORIDE (MG/L AS CL)		23.57	1806A
17896	7/28/2004	00940	CHLORIDE (MG/L AS CL)		30	1806A
17896	3/18/2004	00940	CHLORIDE (MG/L AS CL)		34	1806A
12546	8/14/2002	00940	CHLORIDE (MG/L AS CL)		44.7	1806A
12546	10/3/2002	00940	CHLORIDE (MG/L AS CL)		43.81	1806A
17896	5/26/2004	00940	CHLORIDE (MG/L AS CL)		41	1806A
17896	8/14/2002	00940	CHLORIDE (MG/L AS CL)		26.1	1806A
17896	9/19/2002	00940	CHLORIDE (MG/L AS CL)		19.8	1806A
17896	8/6/2003	00940	CHLORIDE (MG/L AS CL)		25.07	1806A
12546	5/26/2004	00940	CHLORIDE (MG/L AS CL)		47	1806A
12546	6/11/2003	00940	CHLORIDE (MG/L AS CL)		50.52	1806A
12546	7/9/2003	00940	CHLORIDE (MG/L AS CL)		40.45	1806A
17896	8/14/2002	00945	SULFATE (MG/L AS SO4)		12.4	1806A
17896	7/1/2004	00945	SULFATE (MG/L AS SO4)		20	1806A
17896	6/11/2003	00945	SULFATE (MG/L AS SO4)	<	7.2	1806A
12546	9/22/2003	00945	SULFATE (MG/L AS SO4)		44	1806A
17896	5/26/2004	00945	SULFATE (MG/L AS SO4)		24.4	1806A
17896	7/28/2004	00945	SULFATE (MG/L AS SO4)		17.7	1806A
12546	7/1/2004	00945	SULFATE (MG/L AS SO4)		28	1806A
12546	8/14/2002	00945	SULFATE (MG/L AS SO4)		33.6	1806A
12546	6/11/2003	00945	SULFATE (MG/L AS SO4)		12.46	1806A
12546	7/9/2003	00945	SULFATE (MG/L AS SO4)		15.27	1806A
12546	5/1/2003	00945	SULFATE (MG/L AS SO4)		66.55	1806A
17896	5/1/2003	00945	SULFATE (MG/L AS SO4)		61.58	1806A
12546	8/6/2003	00945	SULFATE (MG/L AS SO4)		32.1	1806A
12546	5/26/2004	00945	SULFATE (MG/L AS SO4)		37.5	1806A
12546	7/28/2004	00945	SULFATE (MG/L AS SO4)		34.8	1806A
17896	7/9/2003	00945	SULFATE (MG/L AS SO4)	<	7.2	1806A
17896	8/6/2003	00945	SULFATE (MG/L AS SO4)	<	7.2	1806A
17896	5/26/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	1806A
12546	5/26/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	1806A
12546	8/14/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17896	9/22/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	3/18/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	7/28/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	1806A
17896	7/9/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	7/9/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	9/22/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A

17896	8/6/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	1806A
17896	5/1/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17896	10/3/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	9/19/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	5/1/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17896	7/28/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	8/6/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	1806A
12546	7/1/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	1806A
17896	7/1/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	1806A
12546	6/11/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17896	9/19/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	10/3/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17896	6/11/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17894	9/26/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
17896	3/18/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	1806A
12546	10/3/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		162	1806A
12546	8/29/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		56	1806A
17896	8/29/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		9	1806A
12546	8/14/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		7860	1806A
17896	10/3/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		81	1806A
12546	9/19/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		102	1806A
12546	9/4/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		68	1806A
12546	5/1/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		10	1806A
17896	9/4/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		33	1806A
17894	9/26/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		180	1806A
17896	5/1/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		16	1806A
17896	8/14/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		340	1806A
17896	9/19/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		20	1806A
17896	3/18/2004	31648	E. COLI, MTEC, MF, #/100 ML		72	1806A
17896	9/22/2003	31648	E. COLI, MTEC, MF, #/100 ML		260	1806A
12546	7/28/2004	31648	E. COLI, MTEC, MF, #/100 ML		80	1806A
17896	5/26/2004	31648	E. COLI, MTEC, MF, #/100 ML		12	1806A
12546	9/22/2003	31648	E. COLI, MTEC, MF, #/100 ML		220	1806A
12546	3/18/2004	31648	E. COLI, MTEC, MF, #/100 ML		16	1806A
17894	9/26/2003	31648	E. COLI, MTEC, MF, #/100 ML		140	1806A
12546	5/26/2004	31648	E. COLI, MTEC, MF, #/100 ML		91	1806A
17896	7/28/2004	31648	E. COLI, MTEC, MF, #/100 ML		6	1806A
17896	6/11/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		25.6	1806A
17896	5/1/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		6.3	1806A
12546	5/1/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		38.8	1806A
17896	9/4/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		38.9	1806A
17896	10/3/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		27.8	1806A
12546	8/6/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		4.1	1806A
12546	9/19/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		88.2	1806A
12546	10/3/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		106.7	1806A
17896	9/19/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		32.7	1806A
12546	8/14/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		480	1806A
17896	8/14/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		86.2	1806A
17896	8/6/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		6.3	1806A
12546	7/9/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		93.3	1806A
17896	7/9/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		53.8	1806A
12546	9/4/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		40.8	1806A
12546	7/9/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
17896	7/9/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
17896	10/3/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
17896	8/6/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	10/3/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	8/6/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	9/22/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		1.602	1806A
17896	6/11/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
17896	9/4/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	1806A
17896	9/22/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		2.773	1806A
17896	3/18/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	1806A
12546	6/11/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	7/1/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		2	1806A
12546	5/26/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		1.6	1806A

17896	8/14/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2	1806A
17896	7/1/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	1806A
12546	3/18/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		9.6	1806A
17896	5/1/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
17896	5/26/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		2.1	1806A
17896	8/29/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	1806A
17896	7/28/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	1806A
17896	9/19/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	8/29/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	1806A
12546	5/1/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	7/28/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	1806A
12546	9/19/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	1806A
12546	8/14/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	1806A
17896	8/29/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	1806A
17896	5/1/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
17896	5/26/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		2	1806A
17896	9/4/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	1806A
12546	5/1/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
12546	9/22/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		3.257	1806A
12546	6/11/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
17896	6/11/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
17896	7/1/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		1.3	1806A
17896	8/14/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	1806A
12546	5/26/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		2.9	1806A
17896	7/28/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	1806A
12546	7/28/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	1806A
12546	3/18/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	1806A
17896	10/3/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
12546	7/1/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		1.2	1806A
17896	9/22/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	1806A
12546	8/29/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		8.64	1806A
17896	8/6/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
12546	7/9/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
17896	9/19/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
17896	3/18/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	1806A
17896	7/9/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
12546	8/14/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	1806A
12546	9/19/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
12546	8/6/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
12546	10/3/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	1806A
17896	10/3/2002	72052	STREAMBED SLOPE (FT/FT)		0.0055	1806A
17896	9/3/2002	72052	STREAMBED SLOPE (FT/FT)		0.0055	1806A
12546	10/3/2002	72052	STREAMBED SLOPE (FT/FT)		0.0052	1806A
12546	9/4/2002	72052	STREAMBED SLOPE (FT/FT)		0.0052	1806A
17896	8/7/2003	72052	STREAMBED SLOPE (FT/FT)		0.0055	1806A
12546	6/11/2003	72052	STREAMBED SLOPE (FT/FT)		0.0052	1806A
17896	6/11/2003	72052	STREAMBED SLOPE (FT/FT)		0.0055	1806A
12546	8/7/2003	72052	STREAMBED SLOPE (FT/FT)		0.0052	1806A
12546	9/22/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	10	1806A
17896	9/19/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		7	1806A
12546	3/18/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	1806A
12546	8/29/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A
17896	7/9/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A
17896	5/26/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	1806A
17896	3/18/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	1806A
17896	7/28/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	1806A
12546	7/9/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A
12546	6/11/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A
12546	9/19/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	1	1806A
17896	8/6/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	1806A
12546	5/26/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	1806A
17896	9/22/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	10	1806A
17896	7/1/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A
12546	8/6/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	1806A
12546	7/1/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A
17896	6/11/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	1806A

12546	7/28/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	1806A
17896	9/19/2002	74069	STREAM FLOW ESTIMATE (CFS)		2	1806A
12546	8/6/2003	74069	STREAM FLOW ESTIMATE (CFS)		1	1806A
12546	8/14/2002	74069	STREAM FLOW ESTIMATE (CFS)		3.02	1806A
17896	8/14/2002	74069	STREAM FLOW ESTIMATE (CFS)		1.72	1806A
17896	7/1/2004	74069	STREAM FLOW ESTIMATE (CFS)		26	1806A
17896	7/28/2004	74069	STREAM FLOW ESTIMATE (CFS)		0.17	1806A
17896	5/26/2004	74069	STREAM FLOW ESTIMATE (CFS)		1	1806A
17896	8/7/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		63	1806A
12546	10/3/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		62	1806A
12546	9/4/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		57	1806A
17896	10/3/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		51	1806A
17896	9/3/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		65	1806A
12546	8/7/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		70	1806A
17896	6/11/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		64	1806A
12546	6/11/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		32	1806A
12546	9/4/2002	84161	STREAM ORDER		3	1806A
17896	10/3/2002	84161	STREAM ORDER		3	1806A
17896	9/3/2002	84161	STREAM ORDER		3	1806A
12546	8/7/2003	84161	STREAM ORDER		3	1806A
12546	10/3/2002	84161	STREAM ORDER		3	1806A
12546	6/11/2003	84161	STREAM ORDER		3	1806A
17896	6/11/2003	84161	STREAM ORDER		3	1806A
17896	8/7/2003	84161	STREAM ORDER		3	1806A
12546	6/11/2003	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
12546	8/7/2003	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
17896	9/3/2002	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
17896	10/3/2002	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
12546	9/4/2002	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
17896	6/11/2003	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
17896	8/7/2003	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
12546	10/3/2002	89832	NUMBER OF LATERAL TRANSECTS MADE		5	1806A
12546	7/28/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	8/14/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	6/11/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	9/19/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	5/1/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	8/14/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	10/3/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	9/22/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	7/9/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17894	9/26/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	7/9/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	9/4/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	9/4/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	7/1/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	9/22/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	8/29/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	5/26/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	3/18/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	5/1/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	10/3/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	8/29/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	3/18/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	8/6/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
17896	6/11/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2	1806A
12546	8/7/2003	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
17896	10/3/2002	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
12546	10/3/2002	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
17896	9/3/2002	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
17896	6/11/2003	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
12546	9/4/2002	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
12546	6/11/2003	89839	TOTAL NUMBER OF STREAM BENDS		1	1806A
17896	8/7/2003	89839	TOTAL NUMBER OF STREAM BENDS		2	1806A
17896	8/7/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A
12546	6/11/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A

12546	10/3/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A
12546	9/4/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A
12546	8/7/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A
17896	10/3/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS		1	1806A
17896	9/3/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A
17896	6/11/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS		0	1806A
12546	6/11/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		0	1806A
17896	8/7/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		2	1806A
17896	9/3/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		1	1806A
17896	10/3/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		1	1806A
12546	9/4/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		0	1806A
12546	10/3/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		0	1806A
17896	6/11/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		1	1806A
12546	8/7/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS		0	1806A
17896	6/11/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS		0	1806A
12546	8/7/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS		1	1806A
17896	9/3/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS		0	1806A
17896	8/7/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS		0	1806A
12546	6/11/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS		1	1806A
12546	10/3/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS		1	1806A
12546	9/4/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS		1	1806A
17896	10/3/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS		0	1806A
12546	10/3/2002	89843	TOTAL NUMBER OF RIFFLES		4	1806A
17896	8/7/2003	89843	TOTAL NUMBER OF RIFFLES		4	1806A
12546	8/7/2003	89843	TOTAL NUMBER OF RIFFLES		3	1806A
17896	9/3/2002	89843	TOTAL NUMBER OF RIFFLES		5	1806A
17896	10/3/2002	89843	TOTAL NUMBER OF RIFFLES		5	1806A
12546	6/11/2003	89843	TOTAL NUMBER OF RIFFLES		2	1806A
12546	9/4/2002	89843	TOTAL NUMBER OF RIFFLES		4	1806A
17896	6/11/2003	89843	TOTAL NUMBER OF RIFFLES		4	1806A
17896	6/11/2003	89844	DOMINANT SUBSTRATE TYPE		5	1806A
17896	8/7/2003	89844	DOMINANT SUBSTRATE TYPE		6	1806A
12546	8/7/2003	89844	DOMINANT SUBSTRATE TYPE		4	1806A
17896	9/3/2002	89844	DOMINANT SUBSTRATE TYPE		6	1806A
17896	10/3/2002	89844	DOMINANT SUBSTRATE TYPE		6	1806A
12546	9/4/2002	89844	DOMINANT SUBSTRATE TYPE		4	1806A
12546	6/11/2003	89844	DOMINANT SUBSTRATE TYPE		4	1806A
12546	10/3/2002	89844	DOMINANT SUBSTRATE TYPE		4	1806A
17896	10/3/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		41	1806A
12546	8/7/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		54	1806A
12546	10/3/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		72	1806A
17896	6/11/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		64	1806A
12546	9/4/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		85	1806A
12546	6/11/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		58	1806A
17896	9/3/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		57	1806A
17896	8/7/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG		70	1806A
12546	10/3/2002	89846	AVERAGE STREAM BANK EROSION (%)		55	1806A
17896	9/3/2002	89846	AVERAGE STREAM BANK EROSION (%)		48	1806A
17896	6/11/2003	89846	AVERAGE STREAM BANK EROSION (%)		69	1806A
12546	8/7/2003	89846	AVERAGE STREAM BANK EROSION (%)		54	1806A
17896	10/3/2002	89846	AVERAGE STREAM BANK EROSION (%)		48	1806A
17896	8/7/2003	89846	AVERAGE STREAM BANK EROSION (%)		81	1806A
12546	9/4/2002	89846	AVERAGE STREAM BANK EROSION (%)		47.5	1806A
12546	6/11/2003	89846	AVERAGE STREAM BANK EROSION (%)		47	1806A
17896	9/3/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		54	1806A
17896	8/7/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		53	1806A
12546	8/7/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		63	1806A
12546	6/11/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		62	1806A
12546	10/3/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		50	1806A
17896	10/3/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		54	1806A
17896	6/11/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		43	1806A
12546	9/4/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)		47	1806A
17896	8/7/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		19	1806A
12546	10/3/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		16	1806A
17896	6/11/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		15	1806A
17896	10/3/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		15	1806A

12546	6/11/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		15	1806A
12546	8/7/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		11	1806A
17896	9/3/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		18.5	1806A
12546	9/4/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION		14.5	1806A
17896	8/7/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		13	1806A
12546	6/11/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		10	1806A
12546	10/3/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		10	1806A
12546	9/4/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		10	1806A
17896	9/3/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		9.5	1806A
17896	10/3/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		10	1806A
12546	8/7/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		5	1806A
17896	6/11/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION		7	1806A
17896	8/7/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		51	1806A
17896	10/3/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		45	1806A
12546	9/4/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		25.5	1806A
12546	8/7/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		32	1806A
12546	6/11/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		39	1806A
12546	10/3/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		24	1806A
17896	6/11/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		63	1806A
17896	9/3/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION		43.5	1806A
17896	10/3/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		30	1806A
12546	9/4/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		50	1806A
12546	10/3/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		50	1806A
17896	9/3/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		28.5	1806A
17896	6/11/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		15	1806A
12546	6/11/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		36	1806A
17896	8/7/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		17	1806A
12546	8/7/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION		52	1806A
17896	6/11/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		42	1806A
12546	10/3/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		62	1806A
12546	9/4/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		69	1806A
17896	8/7/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		44	1806A
17896	10/3/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		59	1806A
12546	8/7/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		69	1806A
12546	6/11/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		68	1806A
17896	9/3/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE		42	1806A
17896	10/3/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		6.77	1806A
17896	9/22/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		2.72	1806A
12546	9/19/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		3.41	1806A
17896	6/10/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		3.46	1806A
12546	7/1/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		7.9	1806A
17896	8/5/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		0.25	1806A
17896	7/1/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		6.95	1806A
17894	9/27/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		4.48	1806A
12546	7/28/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		5.15	1806A
12546	8/14/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		4.13	1806A
17896	8/14/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		3	1806A
17896	7/28/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		8.11	1806A
12546	8/29/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		3.22	1806A
12546	9/22/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		2.88	1806A
12546	5/27/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		5.24	1806A
17896	7/9/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		1.2	1806A
12546	9/4/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		2.92	1806A
17896	5/27/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		5.11	1806A
17896	9/19/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		4.87	1806A
12546	4/30/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		1.49	1806A
12546	10/3/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		2.81	1806A
17896	4/30/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		9.01	1806A
12546	8/5/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		2.86	1806A
12546	6/10/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		1.71	1806A
12546	3/18/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		4.69	1806A
12546	7/9/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		4.57	1806A
17896	3/18/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA		6.6	1806A
12546	7/28/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		7.57	1806A
17896	3/18/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		7.22	1806A
12546	5/27/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		7.31	1806A

17896	8/14/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		4.04	1806A
17896	7/1/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.86	1806A
17896	8/5/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		2.82	1806A
17896	7/9/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		4.4	1806A
12546	10/3/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		7.05	1806A
12546	8/14/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		6.8	1806A
17894	9/27/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		5.02	1806A
12546	8/5/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		9.2	1806A
12546	9/19/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.04	1806A
12546	4/30/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		6.17	1806A
12546	7/9/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.21	1806A
17896	9/19/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		6.38	1806A
12546	6/10/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		7.1	1806A
12546	8/29/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		7.24	1806A
17896	4/30/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		10.03	1806A
12546	9/4/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		6.76	1806A
12546	9/22/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.28	1806A
12546	7/1/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.79	1806A
17896	9/22/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		3.25	1806A
17896	7/28/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		13.78	1806A
17896	6/10/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		5.53	1806A
17896	5/27/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.41	1806A
12546	3/18/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.96	1806A
17896	10/3/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA		8.9	1806A
17896	7/1/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		7.76	1806A
17896	8/14/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		3.47	1806A
17896	10/3/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		7.19	1806A
12546	8/29/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.75	1806A
12546	10/3/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.27	1806A
12546	7/1/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		8.22	1806A
17896	9/19/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		5.57	1806A
17896	7/28/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		11.03	1806A
12546	7/28/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		6.11	1806A
12546	9/4/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.35	1806A
17896	5/27/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		6.59	1806A
12546	8/14/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		5.16	1806A
12546	9/19/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.92	1806A
12546	5/27/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		6.06	1806A
17894	9/27/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.66	1806A
12546	8/5/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.84	1806A
17896	4/30/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		9.55	1806A
12546	9/22/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.66	1806A
12546	6/10/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.77	1806A
17896	9/22/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		2.86	1806A
17896	6/10/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		4.6	1806A
17896	8/5/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		1.16	1806A
12546	7/9/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		5.75	1806A
17896	3/18/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		6.92	1806A
12546	3/18/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		5.92	1806A
17896	7/9/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		2.59	1806A
12546	4/30/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA		3.54	1806A
17896	7/28/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	9/4/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	10/3/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	8/5/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	9/19/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	5/27/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	9/19/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	10/3/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	7/1/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	7/28/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	7/1/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	8/29/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17894	9/27/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	4/30/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		97	1806A
12546	5/27/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A

12546	4/30/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		97	1806A
12546	7/9/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		97	1806A
12546	3/18/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
12546	8/5/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	3/18/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	9/22/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	7/9/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		97	1806A
12546	8/14/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	6/10/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		97	1806A
12546	6/10/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		97	1806A
12546	9/22/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	8/14/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS		96	1806A
17896	6/11/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		12	1806A
17896	9/3/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		11.6	1806A
17896	8/7/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		12	1806A
12546	10/3/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		25.9	1806A
17896	10/3/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		11.6	1806A
12546	6/11/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		26	1806A
12546	8/7/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		26	1806A
12546	9/4/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM		25.9	1806A
17896	10/3/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.165	1806A
12546	9/4/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.175	1806A
12546	10/3/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.175	1806A
12546	6/11/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.175	1806A
17896	8/7/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.18	1806A
12546	8/7/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.18	1806A
17896	6/11/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.165	1806A
17896	9/3/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.165	1806A
17896	6/11/2003	89861	AVERAGE STREAM WIDTH (METERS)		5.2	1806A
12546	8/7/2003	89861	AVERAGE STREAM WIDTH (METERS)		4.5	1806A
12546	9/4/2002	89861	AVERAGE STREAM WIDTH (METERS)		4.85	1806A
17896	10/3/2002	89861	AVERAGE STREAM WIDTH (METERS)		4.6	1806A
17896	8/7/2003	89861	AVERAGE STREAM WIDTH (METERS)		4.2	1806A
12546	6/11/2003	89861	AVERAGE STREAM WIDTH (METERS)		4.73	1806A
17896	9/3/2002	89861	AVERAGE STREAM WIDTH (METERS)		5.3	1806A
12546	10/3/2002	89861	AVERAGE STREAM WIDTH (METERS)		5.1	1806A
17896	6/11/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.2	1806A
12546	6/11/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.33	1806A
12546	10/3/2002	89862	AVERAGE STREAM DEPTH (METERS)		0.35	1806A
12546	8/7/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.11	1806A
12546	9/4/2002	89862	AVERAGE STREAM DEPTH (METERS)		0.37	1806A
17896	10/3/2002	89862	AVERAGE STREAM DEPTH (METERS)		2.39	1806A
17896	9/3/2002	89862	AVERAGE STREAM DEPTH (METERS)		0.22	1806A
17896	8/7/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.23	1806A
12546	8/7/2003	89864	MAXIMUM POOL WIDTH (METERS)		7	1806A
12546	10/3/2002	89864	MAXIMUM POOL WIDTH (METERS)		6	1806A
12546	9/4/2002	89864	MAXIMUM POOL WIDTH (METERS)		7	1806A
17896	10/3/2002	89864	MAXIMUM POOL WIDTH (METERS)		10	1806A
17896	9/3/2002	89864	MAXIMUM POOL WIDTH (METERS)		10	1806A
12546	6/11/2003	89864	MAXIMUM POOL WIDTH (METERS)		7	1806A
17896	8/7/2003	89864	MAXIMUM POOL WIDTH (METERS)		10	1806A
17896	6/11/2003	89864	MAXIMUM POOL WIDTH (METERS)		10	1806A
12546	10/3/2002	89865	MAXIMUM POOL DEPTH (METERS)	<	1	1806A
12546	6/11/2003	89865	MAXIMUM POOL DEPTH (METERS)	<	1	1806A
17896	8/7/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	1	1806A
17896	9/3/2002	89865	MAXIMUM POOL DEPTH (METERS)	>	1	1806A
17896	6/11/2003	89865	MAXIMUM POOL DEPTH (METERS)	<	1	1806A
17896	10/3/2002	89865	MAXIMUM POOL DEPTH (METERS)	>	1	1806A
12546	8/7/2003	89865	MAXIMUM POOL DEPTH (METERS)	<	1	1806A
17896	9/3/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		14	1806A
17896	10/3/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		8	1806A
12546	9/4/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		8.2	1806A
12546	10/3/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		6	1806A
17896	6/11/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	15	1806A
12546	8/7/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		15	1806A
12546	6/11/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	<	15	1806A

17896	8/7/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		20	1806A
17896	10/3/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
12546	10/3/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
12546	9/4/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
12546	8/7/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
17896	9/3/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
17896	8/7/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
12546	6/11/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1806A
17896	6/11/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	1806A
12546	6/11/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	1806A
17896	8/7/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	1806A
17896	6/11/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	1806A
17896	9/3/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	1806A
17896	10/3/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	1806A
12546	9/4/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	1806A
12546	10/3/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	1806A
12546	8/7/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	1806A
17896	10/3/2002	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
12546	9/4/2002	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
12546	10/3/2002	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
17896	9/3/2002	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
17896	6/11/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		5	1806A
12546	6/11/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
17896	8/7/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
12546	8/7/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1806A
12546	10/3/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		115	1806A
17896	8/7/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		102	1806A
12546	9/4/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		113	1806A
17896	10/3/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		84	1806A
17896	6/11/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		107	1806A
17896	9/3/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		104	1806A
12546	6/11/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		111	1806A
12546	8/7/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		112	1806A
12546	10/3/2002	89941	NET LENGTH (METERS)		5.49	1806A
17896	10/3/2002	89941	NET LENGTH (METERS)		5.49	1806A
12546	9/4/2002	89941	NET LENGTH (METERS)		5.49	1806A
17896	8/7/2003	89941	NET LENGTH (METERS)		5.49	1806A
17896	9/3/2002	89941	NET LENGTH (METERS)		5.49	1806A
12546	8/7/2003	89941	NET LENGTH (METERS)		5.49	1806A
17896	6/11/2003	89941	NET LENGTH (METERS)		5.49	1806A
12546	6/11/2003	89941	NET LENGTH (METERS)		5.49	1806A
17896	8/7/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
17896	6/11/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
12546	10/3/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
12546	9/4/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
17896	9/3/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
17896	10/3/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
12546	8/7/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
12546	6/11/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE		2	1806A
17896	8/7/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1806A
12546	6/11/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1806A
17896	6/11/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1806A
12546	8/7/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1806A
17896	9/3/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1806A
12546	10/3/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1806A
17896	10/3/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1806A
12546	9/4/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1806A
12546	6/11/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
17896	10/3/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
12546	8/7/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
12546	9/4/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
17896	8/7/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
12546	10/3/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
17896	6/11/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
17896	9/3/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	1806A
12546	6/11/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A

17896	9/3/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
17896	6/11/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
12546	9/4/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
12546	10/3/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
12546	8/7/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
17896	8/7/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
17896	10/3/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1806A
12546	6/11/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
17896	8/7/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
12546	10/3/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
17896	6/11/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
17896	9/3/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
17896	10/3/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
12546	8/7/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
12546	9/4/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1806A
17896	6/11/2003	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
17896	8/7/2003	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
12546	10/3/2002	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
17896	10/3/2002	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
12546	6/11/2003	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
12546	9/4/2002	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
12546	8/7/2003	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
17896	9/3/2002	89961	ECOREGION (TEXAS ECOREGION CODE)		30	1806A
17896	8/7/2003	89976	AREA SEINED (SQ METERS)		330	1806A
12546	6/11/2003	89976	AREA SEINED (SQ METERS)		330	1806A
12546	8/7/2003	89976	AREA SEINED (SQ METERS)		330	1806A
17896	6/11/2003	89976	AREA SEINED (SQ METERS)		330	1806A
17896	9/3/2002	89976	AREA SEINED (SQ METERS)		330	1806A
17896	10/3/2002	89976	AREA SEINED (SQ METERS)		330	1806A
12546	9/4/2002	89976	AREA SEINED (SQ METERS)		330	1806A
12546	10/3/2002	89976	AREA SEINED (SQ METERS)		330	1806A
12546	10/3/2002	90007	HILSENHOFF BIOTIC INDEX		5.88	1806A
17896	10/3/2002	90007	HILSENHOFF BIOTIC INDEX		5.02	1806A
12546	9/4/2002	90007	HILSENHOFF BIOTIC INDEX		5.17	1806A
17896	6/11/2003	90007	HILSENHOFF BIOTIC INDEX		5.04	1806A
17896	8/7/2003	90007	HILSENHOFF BIOTIC INDEX		4.73	1806A
12546	8/7/2003	90007	HILSENHOFF BIOTIC INDEX		6.07	1806A
12546	6/11/2003	90007	HILSENHOFF BIOTIC INDEX		4.79	1806A
17896	9/3/2002	90007	HILSENHOFF BIOTIC INDEX		5.24	1806A
17896	10/3/2002	90008	EPT INDEX		11	1806A
17896	8/7/2003	90008	EPT INDEX		5	1806A
17896	6/11/2003	90008	EPT INDEX		5	1806A
12546	10/3/2002	90008	EPT INDEX		4	1806A
12546	9/4/2002	90008	EPT INDEX		4	1806A
12546	8/7/2003	90008	EPT INDEX		4	1806A
12546	6/11/2003	90008	EPT INDEX		4	1806A
17896	9/3/2002	90008	EPT INDEX		6	1806A
17896	8/7/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4	1806A
17896	6/11/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		5	1806A
12546	6/11/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4	1806A
17896	9/3/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		5	1806A
17896	10/3/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4	1806A
12546	9/4/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		5	1806A
12546	8/7/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4	1806A
12546	10/3/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4	1806A
12546	10/3/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		44	1806A
12546	6/11/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		48.6	1806A
17896	9/3/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		43	1806A
17896	10/3/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		32	1806A
17896	8/7/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		51.6	1806A
12546	9/4/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		49	1806A
17896	6/11/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		45.6	1806A
12546	8/7/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT		67	1806A
17896	6/11/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)		4.7	1806A
17896	9/3/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)		10	1806A
17896	10/3/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)		32	1806A

17896	8/7/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)		9.5	1806A
12546	9/4/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)		21	1806A
12546	6/11/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)		19.8	1806A
12546	10/3/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)		11	1806A
12546	8/7/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)		4.9	1806A
17896	8/7/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		51.6	1806A
12546	8/7/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		17	1806A
12546	6/11/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		18.9	1806A
17896	6/11/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		46.4	1806A
12546	10/3/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		44	1806A
12546	9/4/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		14	1806A
17896	9/3/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		43	1806A
17896	10/3/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		31	1806A
17896	6/11/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		1.7	1806A
12546	10/3/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		0	1806A
12546	9/4/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)	<	1	1806A
17896	8/7/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		0	1806A
17896	10/3/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		0	1806A
17896	9/3/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		1	1806A
12546	6/11/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		0	1806A
12546	8/7/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		0	1806A
17896	8/7/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		35.9	1806A
12546	6/11/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		48.6	1806A
17896	10/3/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		28	1806A
17896	9/3/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		42	1806A
17896	6/11/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		46.4	1806A
12546	8/7/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		67	1806A
12546	10/3/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		37	1806A
12546	9/4/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		49	1806A
12546	10/3/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		21.74	1806A
17896	9/3/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		18.27	1806A
17896	6/11/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		30	1806A
12546	9/4/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		24.78	1806A
17896	10/3/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		17.86	1806A
17896	8/7/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		37.3	1806A
12546	6/11/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		20.7	1806A
12546	8/7/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		22.3	1806A
17896	9/3/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.58	1806A
12546	8/7/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.17	1806A
17896	6/11/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.69	1806A
17896	8/7/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.92	1806A
12546	6/11/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.8	1806A
12546	10/3/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.56	1806A
17896	10/3/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		1.28	1806A
12546	9/4/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.77	1806A
17896	6/11/2003	90052	NUMBER OF NON-INSECT TAXA		3	1806A
12546	10/3/2002	90052	NUMBER OF NON-INSECT TAXA		3	1806A
12546	6/11/2003	90052	NUMBER OF NON-INSECT TAXA		3	1806A
17896	10/3/2002	90052	NUMBER OF NON-INSECT TAXA		3	1806A
17896	9/3/2002	90052	NUMBER OF NON-INSECT TAXA		2	1806A
12546	9/4/2002	90052	NUMBER OF NON-INSECT TAXA		1	1806A
12546	8/7/2003	90052	NUMBER OF NON-INSECT TAXA		3	1806A
17896	8/7/2003	90052	NUMBER OF NON-INSECT TAXA		3	1806A
17896	9/3/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0	1806A
12546	9/4/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		1.77	1806A
17896	10/3/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0	1806A
17896	8/7/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0.98	1806A
17896	6/11/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0.92	1806A
12546	8/7/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		8.04	1806A
12546	10/3/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		2.61	1806A
12546	6/11/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		8.1	1806A
17896	6/11/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		17	1806A
17896	8/7/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		12	1806A
12546	6/11/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		20	1806A
12546	10/3/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		21	1806A
12546	8/7/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		17	1806A

12546	9/4/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		20	1806A
17896	10/3/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		22	1806A
17896	9/3/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		24	1806A
17896	9/3/2002	92266	TRICHOPTERA		51.28	1806A
12546	6/11/2003	92266	TRICHOPTERA		95.5	1806A
12546	9/4/2002	92266	TRICHOPTERA		100	1806A
17896	8/7/2003	92266	TRICHOPTERA		30.2	1806A
17896	10/3/2002	92266	TRICHOPTERA		30	1806A
17896	6/11/2003	92266	TRICHOPTERA		30.2	1806A
12546	8/7/2003	92266	TRICHOPTERA		95.5	1806A
12546	10/3/2002	92266	TRICHOPTERA		100	1806A
12546	10/3/2002	92491	CHIRONOMIDAE		13.04	1806A
12546	8/7/2003	92491	CHIRONOMIDAE		0	1806A
17896	8/7/2003	92491	CHIRONOMIDAE		1.96	1806A
17896	10/3/2002	92491	CHIRONOMIDAE		13.1	1806A
17896	6/11/2003	92491	CHIRONOMIDAE		1.83	1806A
12546	9/4/2002	92491	CHIRONOMIDAE		17.7	1806A
17896	9/3/2002	92491	CHIRONOMIDAE		3.85	1806A
12546	6/11/2003	92491	CHIRONOMIDAE			1806A
12546	10/3/2002	98003	NUMBER OF SPECIES, FISH		15	1806A
12546	8/7/2003	98003	NUMBER OF SPECIES, FISH		14	1806A
17896	6/11/2003	98003	NUMBER OF SPECIES, FISH		12	1806A
12546	6/11/2003	98003	NUMBER OF SPECIES, FISH		13	1806A
12546	9/4/2002	98003	NUMBER OF SPECIES, FISH		14	1806A
17896	8/7/2003	98003	NUMBER OF SPECIES, FISH		9	1806A
17896	9/3/2002	98003	NUMBER OF SPECIES, FISH		12	1806A
17896	10/3/2002	98003	NUMBER OF SPECIES, FISH		12	1806A
12546	8/7/2003	98004	TOTAL NUMBER OF DARTER SPECIES		2	1806A
12546	6/11/2003	98004	TOTAL NUMBER OF DARTER SPECIES		1	1806A
17896	8/7/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	1806A
12546	9/4/2002	98004	TOTAL NUMBER OF DARTER SPECIES		1	1806A
12546	10/3/2002	98004	TOTAL NUMBER OF DARTER SPECIES		2	1806A
17896	10/3/2002	98004	TOTAL NUMBER OF DARTER SPECIES		0	1806A
17896	9/3/2002	98004	TOTAL NUMBER OF DARTER SPECIES		0	1806A
17896	6/11/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	1806A
17896	9/3/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		6	1806A
12546	6/11/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		5	1806A
17896	8/7/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		4	1806A
17896	6/11/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		6	1806A
12546	10/3/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		7	1806A
12546	9/4/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		6	1806A
17896	10/3/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		6	1806A
12546	8/7/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		5	1806A
17896	8/7/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
17896	6/11/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
12546	6/11/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
12546	8/7/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
17896	10/3/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
17896	9/3/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
12546	9/4/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
12546	10/3/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	1806A
12546	6/11/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		1	1806A
17896	8/7/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		1	1806A
12546	9/4/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		1	1806A
17896	6/11/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		1	1806A
12546	8/7/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		2	1806A
17896	10/3/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		1	1806A
17896	9/3/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		0	1806A
12546	10/3/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		1	1806A
12546	9/4/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		47.4	1806A
12546	8/7/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		9.4	1806A
17896	9/3/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		30	1806A
12546	10/3/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		20	1806A
17896	6/11/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		59	1806A
12546	6/11/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		25	1806A
17896	8/7/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		58	1806A

17896	10/3/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH		55	1806A
12546	10/3/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		9	1806A
17896	8/7/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		3.3	1806A
17896	9/3/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		19	1806A
17896	6/11/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		0.6	1806A
12546	8/7/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		1.48	1806A
12546	9/4/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		13	1806A
17896	10/3/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		3	1806A
12546	6/11/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH		3	1806A
17896	9/3/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		69	1806A
17896	6/11/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		77	1806A
12546	8/7/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		44	1806A
12546	6/11/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		58	1806A
17896	10/3/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		86	1806A
12546	9/4/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		68	1806A
17896	8/7/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		87.3	1806A
12546	10/3/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH		72	1806A
12546	9/4/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		18	1806A
12546	8/7/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		2.47	1806A
17896	9/3/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		12	1806A
17896	10/3/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		11	1806A
17896	6/11/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		21	1806A
12546	10/3/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		4	1806A
12546	6/11/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		9	1806A
17896	8/7/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH		9.3	1806A
12546	10/3/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		123	1806A
12546	9/4/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		78	1806A
12546	8/7/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		405	1806A
17896	8/7/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		150	1806A
17896	6/11/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		150	1806A
12546	6/11/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		293	1806A
17896	10/3/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		154	1806A
17896	9/3/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH		67	1806A
12546	6/11/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		2	1806A
12546	6/11/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		2	1806A
17896	10/3/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
17896	10/3/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
12546	8/7/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
12546	8/7/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
17896	8/7/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
17896	8/7/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
12546	10/3/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
12546	10/3/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
12546	9/4/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		3	1806A
12546	9/4/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		3	1806A
17896	9/3/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		1	1806A
17896	9/3/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		1	1806A
17896	6/11/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
17896	6/11/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		0	1806A
17896	9/3/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
12546	10/3/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
12546	8/7/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
17896	10/3/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
12546	6/11/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
12546	9/4/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
17896	8/7/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A
17896	6/11/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	1806A