

Impairment Verification Monitoring  
Dissolved Oxygen and Bacteria  
Segment 2107 Atascosa River

Volume 1  
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Texas Engineering Experiment Station  
Shoreline Environmental Research Facility

**Impairment Verification Monitoring—Volume 1: Physical, and  
Chemical Components  
Segment 2107 Atascosa River**

Prepared for  
Total Maximum Daily Load Program  
Texas Commission on Environmental Quality  
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## EXECUTIVE SUMMARY

This report describes water quality data collected on the Atascosa River (Segment 2107) 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. The Atascosa River is a 103-mile freshwater stream in the Nueces River Basin that extends from the confluence with the Frio River in Live Oak County to the confluence of the West Prong Atascosa River and the North Prong Atascosa River in Atascosa County. Segment 2107 was included on the 2000 State of Texas Clean Water Act 303(d) list (TNRCC 2000a) as non-supporting due to low concentration of dissolved oxygen that were below the criteria associated with a high aquatic life use, as well as being listed as non-supporting for contact recreation due to elevated levels of bacteria in the stream.

Volume 1 presents the water quality data for 24-hr dissolved oxygen, bacteria, pH, water temperature, conductivity, and nutrients. Basic statistics are provided for each water quality constituent by station and sampling type. Data for dissolved oxygen and bacteria are compared to aquatic life and recreational 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 with the introduction of new methodologies. These include the development of hydrologically unique Assessment Units, use of the binomial approach for analysis, the replacement of fecal coliform with *E. coli* as bacterial indicator, and the use of 24-hour dissolved oxygen measurements. Eleven of the 39 24-hour dissolved oxygen samples collected in the Atascosa River had an average value that was below the TCEQ average criteria of 5 mg/L, and 1 sample was below the TCEQ minimum criteria of 3 mg/L associated with a “high aquatic life use”. A total of 13 of the 38 *e-coli* samples collected exceeded the single sample exceedance criteria (394 col/100mL) associated with contact recreation use, and three of the four stations sampled yielded *e-coli* geometric means that exceeded the criteria (126 col/100mL) set by TCEQ for contact recreation. As a result of these findings, the Atascosa River will remain on the 303(d) List of impaired waters due to non-support of contact recreation due to elevated levels of bacteria in the stream. A Total Maximum daily Load (TMDL) will be established for this watershed. The next phase of the project will involve storm event based monitoring for physical and chemical parameters of the stream as well as numerical water quality model selection and development.

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## INTRODUCTION

The Atascosa River is a 103-mile freshwater stream in the Nueces River Basin that extends from the confluence with the Frio River in Live Oak County to the confluence of the West Prong Atascosa River and the North Prong Atascosa River in Atascosa County. Land use within the watershed is primarily agricultural in nature with the only major urban area being the city of Pleasanton. (Figure 3 and Table 1).

The Atascosa River was identified as impaired based exceedances of the criteria associated with the high aquatic life and contact recreation 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. Fecal coliform bacteria levels in the stream were also found to be in excess of the criterion set for contact recreation. The TCEQ determined that there was an insufficient number of 24-hour dissolved oxygen and bacteriological samples (*E. coli*) 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 four stations on the Atascosa River during August 2002 through August 2004 to provide the TCEQ with additional 24-hour dissolved oxygen, bacteria samples, 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 the Atascosa River. The 24-hour dissolved oxygen and bacteria 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 the Atascosa River.



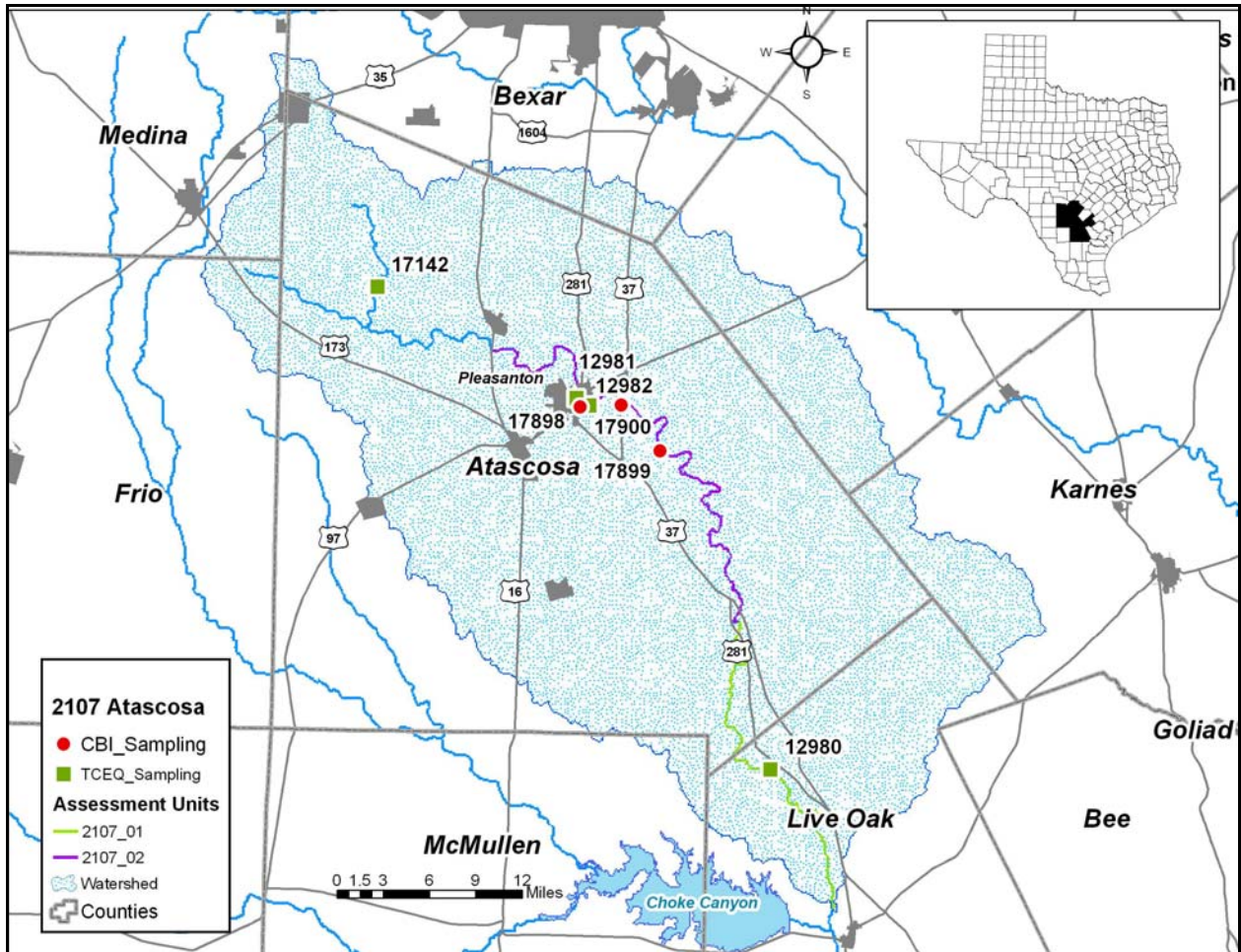


Figure 1. Map showing Sampling Station Locations on the Atascosa River.



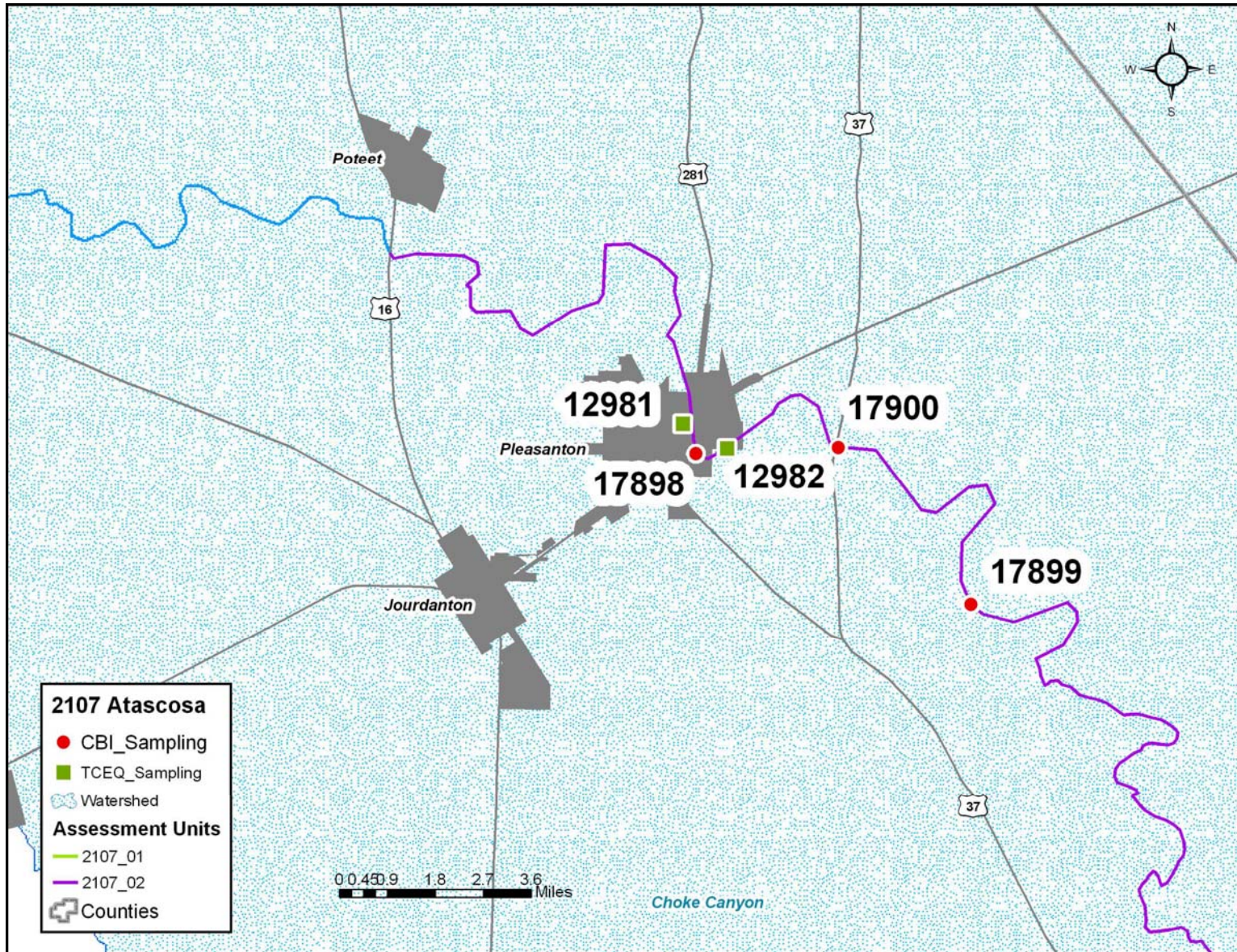


Figure 2 Map showing zoom view of sampling stations within Pleasanton city limits



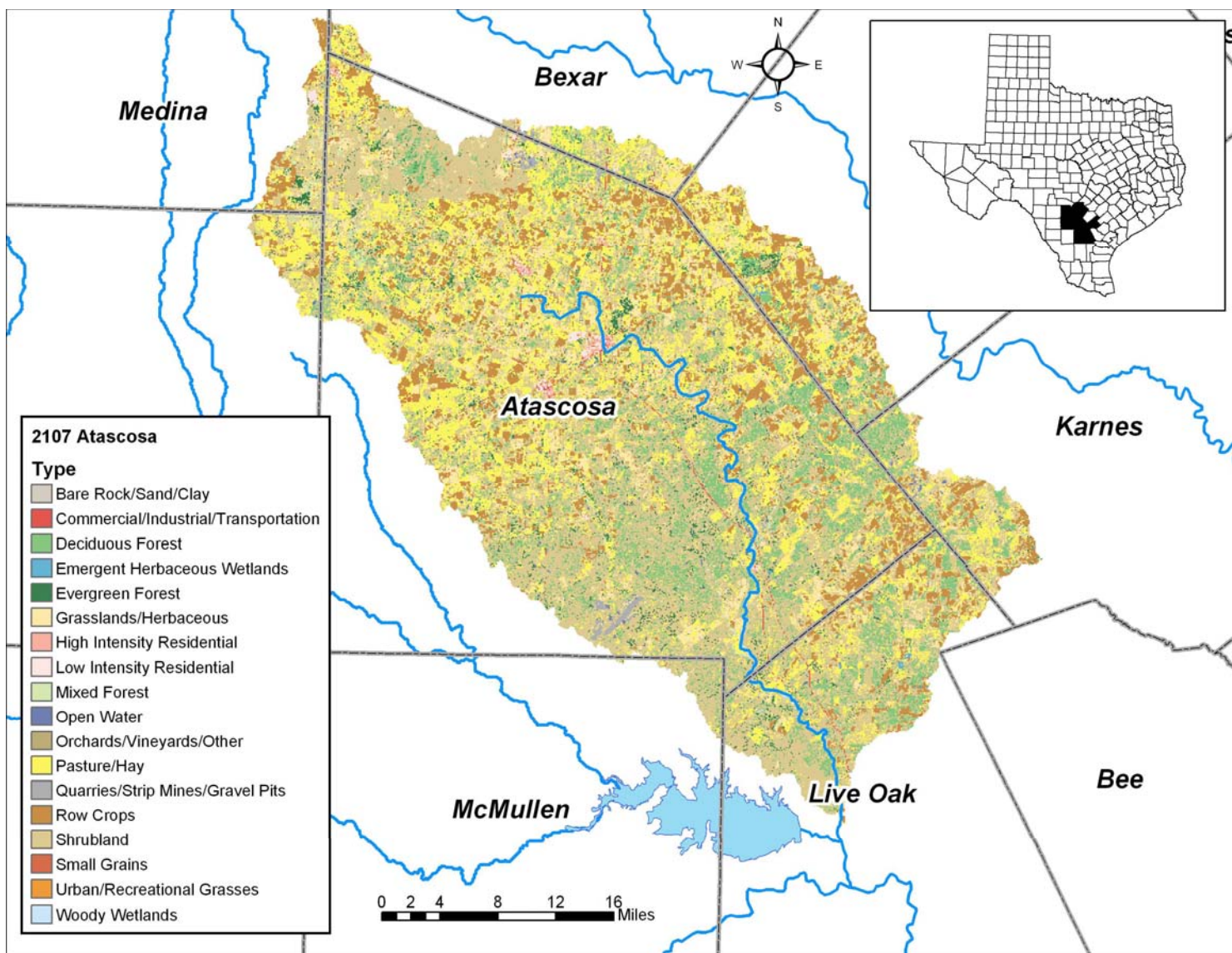


Figure 3. Land Use Map for Segment 2107 Atascosa River



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TYPE	PERCENT
Shrubland	40
Pasture/Hay	21
Row Crops	12
Deciduous Forest	11
Grasslands/Herbaceous	10
Evergreen Forest	3
Open Water	
Mixed Forest	
Bare Rock/Sand/Clay	
Commercial/Industrial/Transportation	
Quarries/Strip Mines/Gravel Pits	
Low Intensity Residential	
Woody Wetlands	
Emergent Herbaceous Wetlands	
Small Grains	
High Intensity Residential	
Urban/Recreational Grasses	
Orchards/Vineyards/Other	

**Table 1. Land use percentages for the Atascosa River**

## HISTORICAL REVIEW

The segment specific uses and criteria for the Atascosa River, as identified in the 2002 Texas Surface Water Quality Standards (TNRCC 2002), are as follows:

- High Aquatic Life Use
- Contact Recreation Use
- General Use
- Fish Consumption Use
- Public Water Supply Use

The 2000 303(d) List (TNRCC 2000a) included the Atascosa River as non-supporting for aquatic life use due to depressed dissolved oxygen levels and non-supporting for contact recreation use due to elevated levels of bacteria within the river. The results of the assessment of samples for the 2002 Water Quality Inventory are given in Table 2. Table 3 lists all TCEQ Monitoring Stations on this segment, and Figures 4, 5 and 6 present photographs for three of the four Monitoring Stations from which samples were collected during this project.

**Table 2. Assessment Samples for Segment 2107 Atascosa River for the 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	Geometric Mean
2107	2002	Aquatic Life Use	Non Support	DO grab avg	12	2	16.67	
2107	2002	Aquatic Life Use	Non Support	DO grab avg	13	1	7.69	
2107	2002	Aquatic Life Use	Non Support	DO min	12	0		
2107	2002	Aquatic Life Use	Non Support	DO min	13	1	7.69	
2107	2002	Contact Recreation	Non Support	Ecoli	4	3	75	
2107	2002	Contact Recreation	Non Support	Ecoli Geometric Mean	4			715.5
2107	2002	Contact Recreation	Non Support	Fecal Coliform	7	2	28.57	
2107	2002	Contact Recreation	Non Support	Fecal Coliform	6	3	50	
2107	2002	Contact Recreation	Non Support	Fecal Coliform Geometric Mean	7			407.9
2107	2002	Contact Recreation	Non Support	Fecal Coliform Geometric Mean	6			255.1

**Table 3. All TCEQ Monitoring Stations on Segment 2107. Green shading indicates Stations used in impairment verification monitoring. Photos for 3 of the stations are indicated in the third column.**

Station	Station Descriptions	Photograph
12980	Atascosa River at FM 99 bridge west of Whitsett, TX	
12981	Atascosa River on dirt road directly east of Pleasanton, TX at railroad bridge	
17900	Atascosa River at IH 37	<b>Figure 4</b>
17899	Atascosa River 500 meters southwest of intersection of Leal road and MOPAC railroad	<b>Figure 5</b>
17898	Atascosa River 150 meters downstream of Hunt road	<b>Figure 6</b>
12982	Atascosa River at US 281 at Pleasanton, TX	



**Figure 4. Station 17900, figure show biological sampling**





**Figure 5. Station 17899**



**Figure 6. Station 17898**

## PROBLEM DEFINITION

TAMUK and CBI led an effort for the TCEQ to assess the water quality in the Atascosa River (Segment 2107). This segment was included on the 2000 State of Texas Clean Water Act 303(d) (TNRCC 2000a) lists as non-supporting for aquatic life use due to depressed levels of dissolved oxygen and as non-supporting for contact recreation use due to elevated levels of bacteria. 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 7 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 2107 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 2002b) 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.
- **Indicator bacteria.** Revisions to the 2000 Water Quality Standards incorporated the use of *E. coli* bacteria, replacing fecal coliform, as the bacterial indicator for the determination of recreational use attainment.
- **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 4). 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.



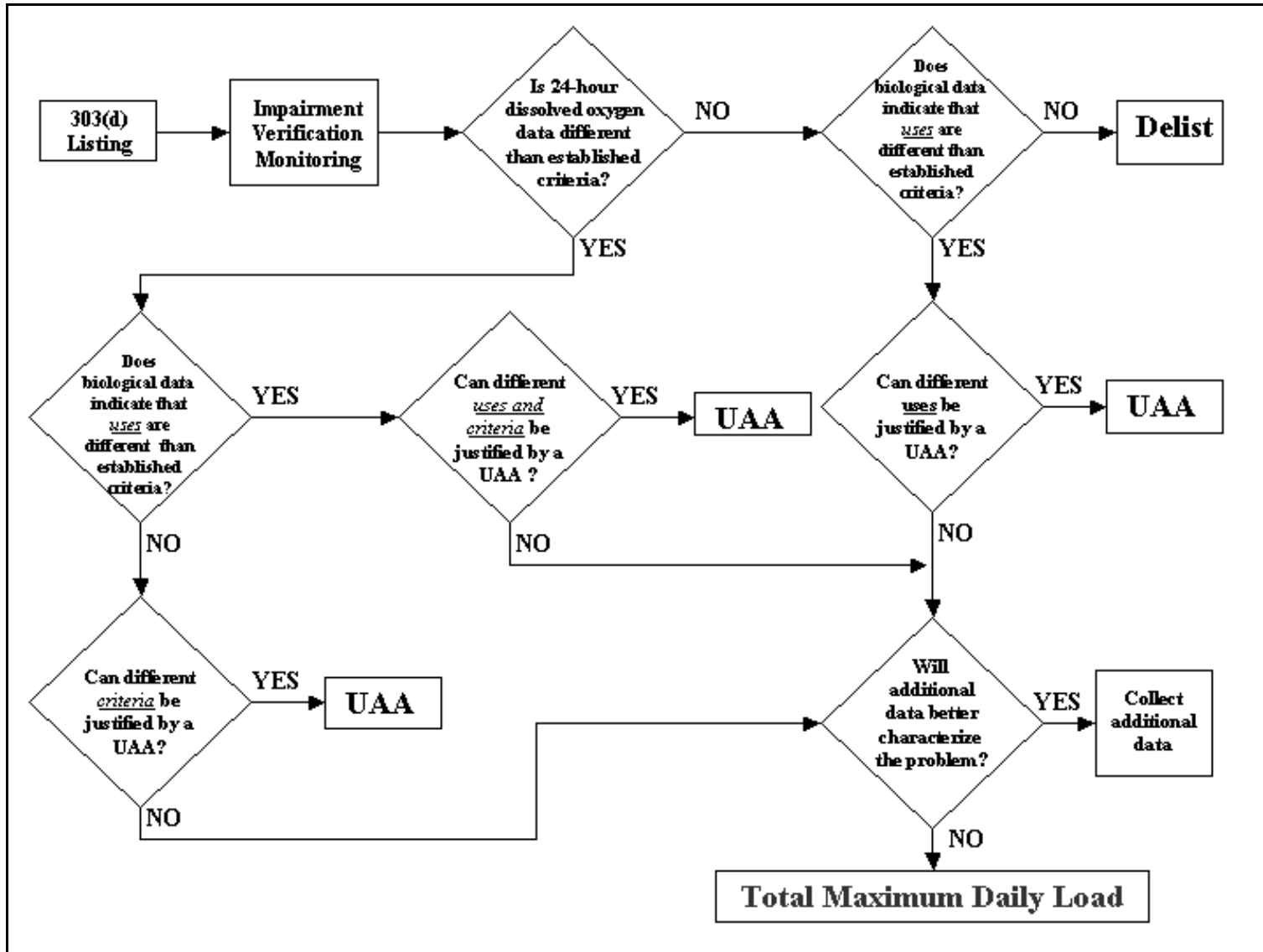


Figure 7 Conceptual Decision Framework

**Table 4. Atascosa River 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
2107	12980	X	X	2107_01	Lower 25 miles of segment	NS	FS	5 mg/L	3mg/L
2107	12981		X	2107_02	25 miles surrounding US 281	NS	NS		
2107	17900	X				FS	FS		
2107	17899	X				FS	FS		
2107	17898	X				FS	FS		
2107	12982		X			NS	NS		

### 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 the Atascosa River 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 the Atascosa River.

### 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 5. 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.



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**Table 5. 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
<i>pH</i>	<i>pH. units</i>	<i>Multi parameter probe</i>	<i>EPA 150.1and TCEQ SOP</i>	<i>00400</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>DO</i>	<i>mg/L</i>	<i>Multi parameter probe</i>	<i>EPA 360.1and TCEQ SOP</i>	<i>00300</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>DO 24-hr min.</i>	<i>mg/L</i>	<i>Multi parameter probe</i>	<i>EPA 360.1and TCEQ SOP</i>	<i>89855</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>DO 24-hr max.</i>	<i>mg/L</i>	<i>Multi parameter probe</i>	<i>EPA 360.1and TCEQ SOP</i>	<i>89856</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>DO 24-hr avg.</i>	<i>mg/L</i>	<i>Multi parameter probe</i>	<i>EPA 360.1and TCEQ SOP</i>	<i>89857</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>DO number of meas.</i>	<i>mg/L</i>	<i>Multi parameter probe</i>	<i>EPA 360.1and TCEQ SOP</i>	<i>89858</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>Conductivity</i>	<i>uS/cm</i>	<i>Multi parameter probe</i>	<i>EPA 120.1and TCEQ SOP</i>	<i>00094</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>Temperature</i>	<i>°Celsius</i>	<i>Multi parameter probe</i>	<i>EPA 170.1and TCEQ SOP</i>	<i>00010</i>	<i>NA</i>	<i>10</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>Secchi Depth</i>	<i>meters</i>	<i>Secchi disc</i>	<i>TCEQ SOP</i>	<i>00078</i>	<i>NA</i>	<i>20</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>Days since last significant rainfall</i>	<i>days</i>		<i>TCEQ SOP</i>	<i>72053</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>Flow</i>	<i>cfs</i>		<i>TCEQ SOP and ADCP</i>	<i>00061</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>
<i>Flow Severity</i>	<i>1-no flow, 2-low,</i>		<i>TCEQ SOP</i>	<i>01351</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Field</i>

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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
E-coli	Cfu/100 ml	IDEXX	MPN	31699	N/A	N/A	N/A	N/A	Field

SATL: San Antonio Testing Laboratory\

AWRL: Ambient Water Reporting Limit

## RESULTS

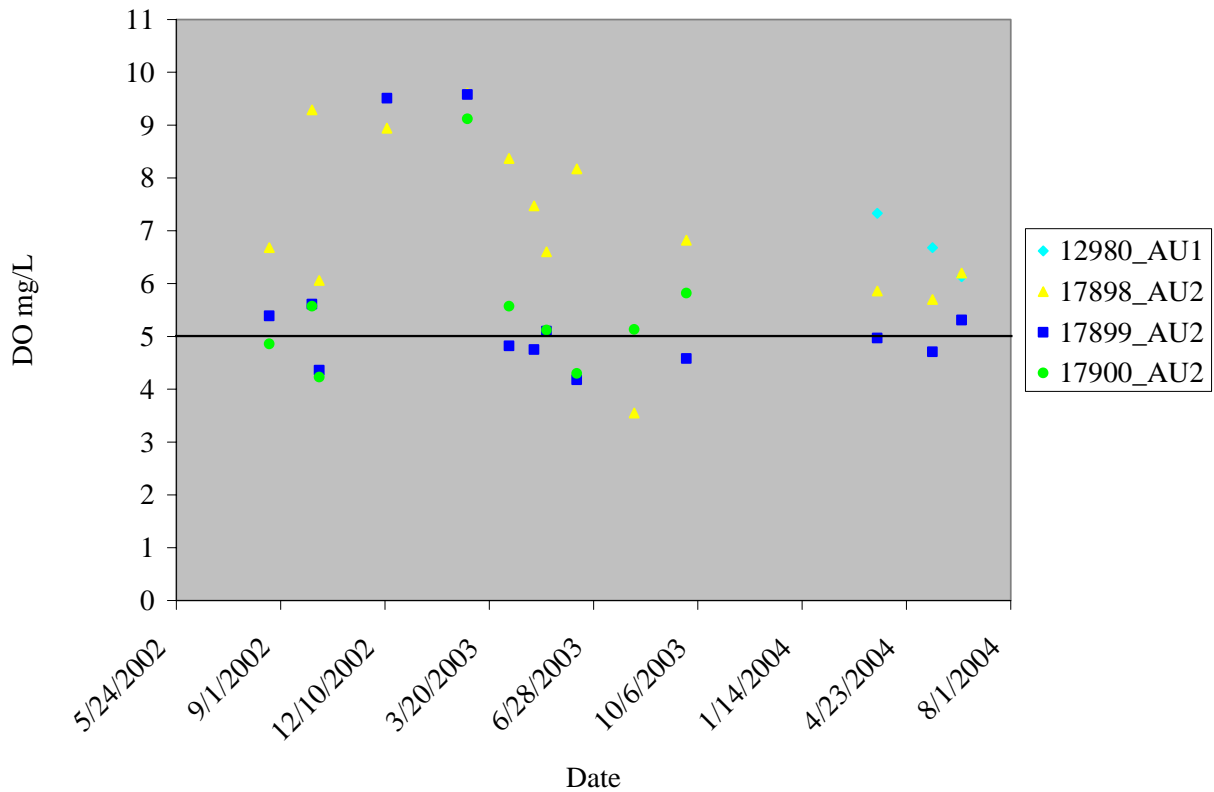
Two Assessment Units (AU) were identified for impairment verification in this study. The 24-hour, dissolved-oxygen average values (Table 6) collected during this project for the two AUs were plotted against time with the TCEQ standard of 5 mg/L for high aquatic life use as benchmark (Figure 8). Out of a total of 39 samples collected on the Atascosa River, only 11 samples had dissolved oxygen values below the average criterion (5 mg/L). Similarly, only 1 of the 39 samples (Table 7) was below the TCEQ minimum criteria of 3 mg/L (Figure 9). E-coli values for the two assessment units (Table 8) were plotted against the TCEQ single sample exceedance of 394 cfu/100 mL (Figure 10). Out of the 38 bacteriological samples taken at these stations, 13 exceeded the standard. The geometric mean for each assessment unit was calculated (Table 8) and plotted against the TCEQ standard of 126 (Figure 11). Three out of the four stations sampled exceeded the TCEQ standard. Statistics for the non-critical field and laboratory parameters are presented in Tables 9 and 10, respectively.

**Table 6. Statistics for 24-hour DO average values.**

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
2107_01	12980	3	6.71	0.60	7.33	6.13
2107_02	17900	9	5.52	1.46	9.12	4.23
2107_02	17899	13	5.61	1.79	9.58	4.18
2107_02	17898	14	7.09	1.66	9.61	3.55



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**Figure 8. Plot of average 24-hour DO measurements at Atascosa River Assessment Units 1 and 2**

**Table 7. Statistics for 24-hour DO Minimum Values**

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
2107_01	12980	3	6.49	0.59	7.06	5.88
2107_02	17900	9	5.29	1.48	8.95	4.11
2107_02	17899	13	5.30	1.76	9.34	3.98
2107_02	17898	14	5.75	1.87	9.45	1.66

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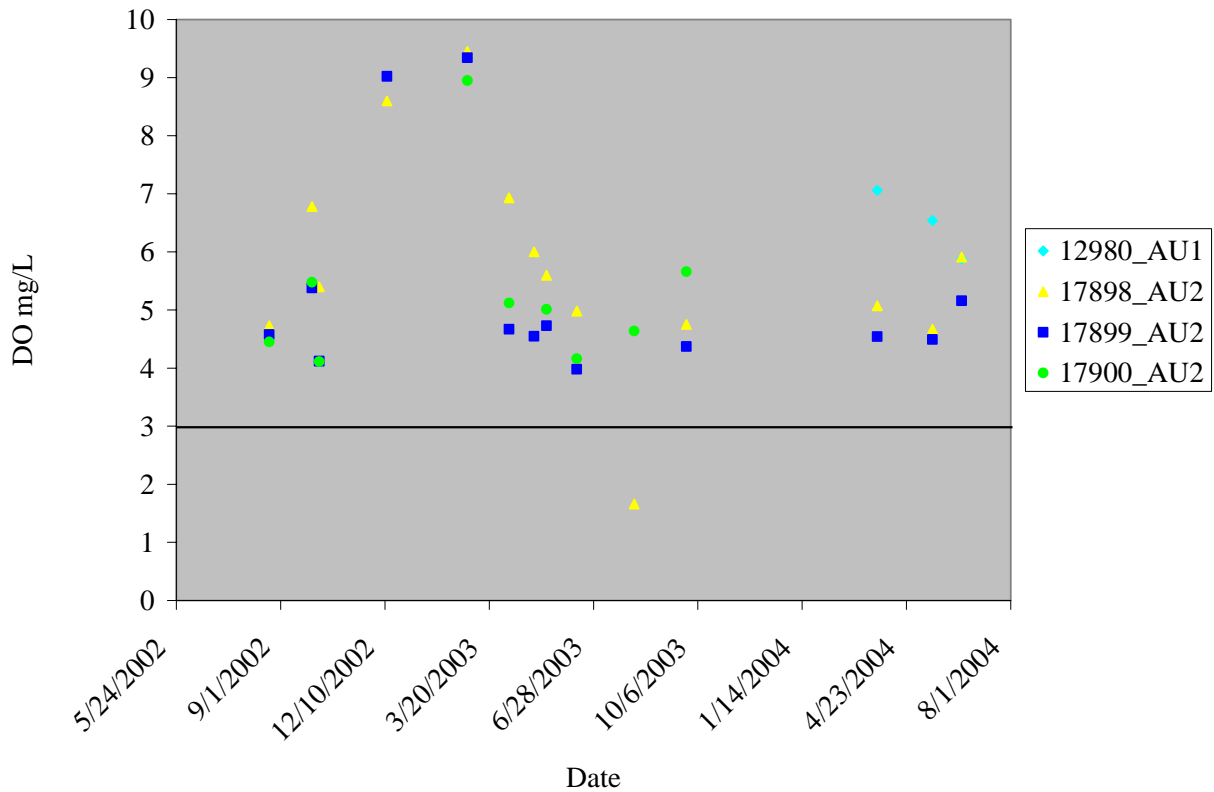
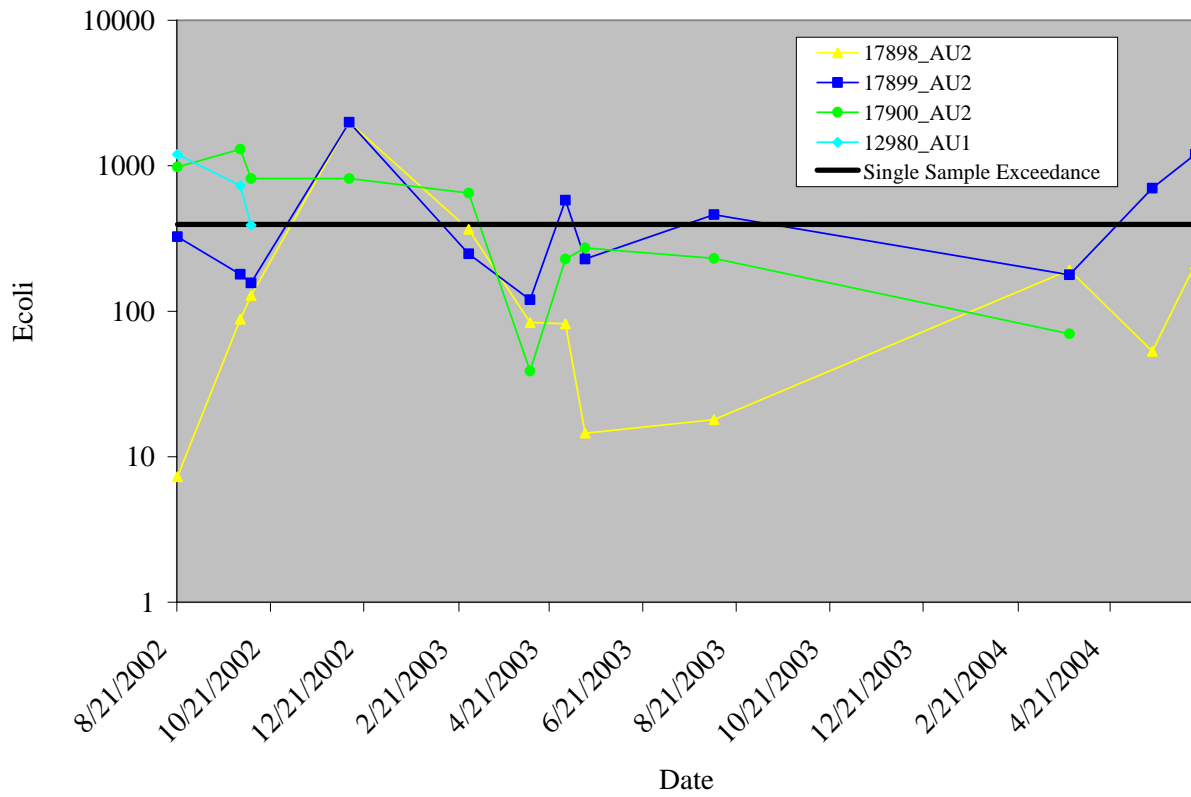


Figure 9. Plot of Minimum 24-hour DO values at Atascosa River Assessment Units 1 and 2

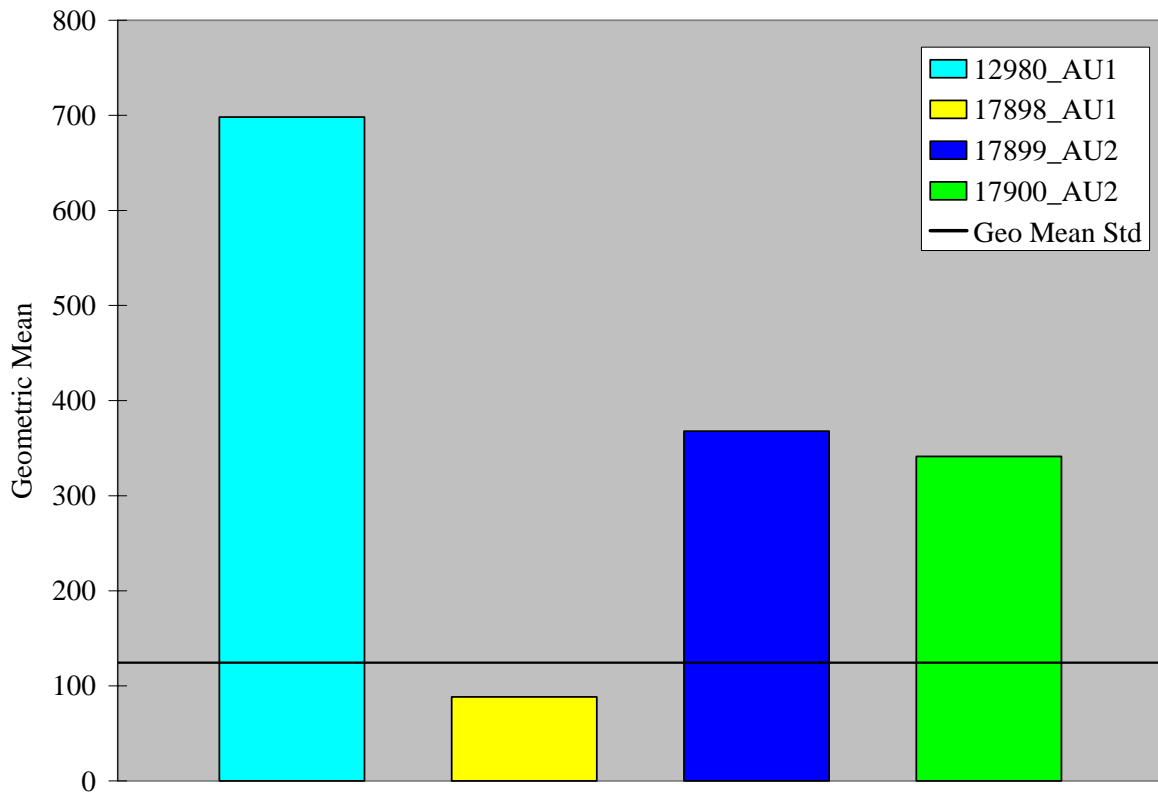
Table 8. Statistics for E-coli values.

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value	Geometric Mean
2107_01	12980	3	772.33	698.11	1200.00	390.00	698.11
2107_02	17900	10	540.20	431.04	1299.70	38.80	341.36
2107_02	17899	13	524.78	530.52	1986.30	120.10	367.90
2107_02	17898	12	269.02	550.43	1986.30	7.30	88.42

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**Figure 10. Plot of single sample exceedance of E-coli values for Atascosa River Assessment Units 1 and 2**



**Figure 11. Plot of geometric mean exceedance of E-coli values for Atascosa River Assessment Units 1 and 2**



**Table 9. Statistics for non-critical field parameters**

Station Identification	Parameters	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
12980	Temp (Celsius)	3	24.23	2.96	26.76	20.97
17900	Temp (Celsius)	12	21.88	6.32	28.24	11.22
17899	Temp (Celsius)	14	21.48	5.71	27.61	9.81
17898	Temp (Celsius)	15	24.12	6.75	32.61	11.54
12980	pH	3	7.64	0.34	7.98	7.98
17900	pH	11	7.75	0.26	8.41	7.48
17899	pH	13	7.64	0.20	8.08	7.34
17898	pH	15	7.83	0.25	8.17	7.32
12980	Spot DO (mg/L)	3	6.94	0.72	7.69	6.25
17900	Spot DO (mg/L)	11	6.00	1.69	9.30	4.17
17899	Spot DO (mg/L)	13	5.57	1.83	9.74	4.05
17898	Spot DO (mg/L)	15	7.58	2.19	14.02	5.32
12980	Specific Conductivity (microsiemens/cm)	3	1528.33	654.70	2015.00	1786.00
17900	Specific Conductivity (microsiemens/cm)	10	1513.80	868.11	2780.00	216.00
17899	Specific Conductivity (microsiemens/cm)	13	1909.62	549.60	2527.00	736.00
17898	Specific Conductivity (microsiemens/cm)	13	1832.46	502.66	2508.00	1127.00
12980	24hr DO Max (mg/L)	3	7.02	0.73	7.74	6.29
17900	24hr DO Max (mg/L)	9	5.94	1.51	9.56	4.44
17899	24hr DO Max (mg/L)	13	6.12	1.99	10.69	4.55
17898	24hr DO Max (mg/L)	14	8.88	1.83	12.65	6.73
12980	Flow (cfs)	3	88.10	77.59	169.00	14.30
17900	Flow (cfs)	6	4.83	1.31	6.42	3.40
17899	Flow (cfs)	8	5.75	2.65	9.03	2.16
17898	Flow (cfs)	13	6.57	11.23	41.45	0.046

Impairment Verification Monitoring—Volume 1: Physical, and Chemical Components  
Segment 2107 Atascosa River

**Table 10. Statistics for laboratory parameters**

Station Identification	Parameter	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
12980	Alkalinity (mg/L)	3	198.33	102.30	315.00	124.00
17900	Alkalinity (mg/L)	12	364.57	339.61	1406.68	119.02
17899	Alkalinity (mg/L)	15	277.99	125.61	668.40	124.00
17898	Alkalinity (mg/L)	15	299.48	204.83	1004.85	164.00
12980	Chloride (mg/L)	3	256.00	138.03	345.00	97.00
17900	Chloride (mg/L)	12	219.74	123.80	392.00	8.98
17899	Chloride (mg/L)	14	231.00	98.44	416.00	95.14
17898	Chloride (mg/L)	15	218.48	116.88	472.00	9.72
12980	Sulfate (mg/L)	3	232.00	69.42	294.00	157.00
17900	Sulfate (mg/L)	8	318.16	227.70	666.74	7.20
17899	Sulfate (mg/L)	12	409.55	395.42	1543.00	59.58
17898	Sulfate (mg/L)	11	324.98	139.05	591.44	185.80
12980	TSS (mg/L)	3	92.00	24.43	109.00	64.00
17900	TSS (mg/L)	1	121.00	0.00	121.00	121.00
17899	TSS (mg/L)	4	57.25	35.08	109.00	35.00
17898	TSS (mg/L)	4	28.50	6.56	37.00	22.00
12980	Ammonia (mg/L)	3	0.03	0.00	0.032	<0.03
17900	Ammonia (mg/L)	11	0.70	0.38	<1.00	0.09
17899	Ammonia (mg/L)	15	0.54	0.46	<1.00	<0.03
17898	Ammonia (mg/L)	14	0.53	0.44	<1.00	0.02
12980	Phosphate (mg/L)	3	0.30	0.054	0.348	0.242
17900	Phosphate (mg/L)	10	5.61	16.13	51.50	0.02
17899	Phosphate (mg/L)	13	8.68	30.36	109.72	<0.01
17898	Phosphate (mg/L)	13	5.46	19.31	69.74	<0.01
12980	Orthophosphate (mg/L)	3	0.165	0.074	0.218	0.081
17900	Orthophosphate (mg/L)	11	0.50	0.57	1.86	<0.01
17899	Orthophosphate (mg/L)	15	0.42	0.53	2.08	<0.01
17898	Orthophosphate (mg/L)	14	0.28	0.60	2.20	<0.01
12980	TKN (mg/L)	3	0.05	0.00	<0.05	<0.05
17900	TKN (mg/L)	9	0.75	0.40	<1.00	0.019
17899	TKN (mg/L)	12	0.66	0.44	<1.00	<0.05
17898	TKN (mg/L)	12	0.65	0.44	<1.00	<0.05
12980	TOC (mg/L)	3	11.37	4.24	14.70	6.60
17900	TOC (mg/L)	12	7.69	3.09	13.12	1.59
17899	TOC (mg/L)	16	8.64	2.90	13.50	5.00
17898	TOC (mg/L)	15	8.76	3.55	15.20	1.39
12980	Chlorophyll A (ug/L)	3	7.36	10.95	20.00	<1.00
17900	Chlorophyll A (ug/L)	12	1.27	2.80	10.00	<0.25
17899	Chlorophyll A (ug/L)	16	2.15	4.21	15.10	<0.25
17898	Chlorophyll A (ug/L)	15	5.41	8.68	27.80	<0.25
12980	Phenophytin A (ug/L)	3	11.55	15.05	28.80	1.06
17900	Phenophytin A (ug/L)	12	1.54	2.79	9.18	<0.25
17899	Phenophytin A (ug/L)	16	1.74	3.55	14.20	<0.25
17898	Phenophytin A (ug/L)	15	3.45	5.26	17.50	<0.25
12980	Nitrate/Nitrite (mg/L)	3	0.05	0.00	<0.05	<0.05
17900	Nitrate/Nitrite (mg/L)	9	3.36	3.25	9.51	0.33
17899	Nitrate/Nitrite (mg/L)	13	1.72	1.65	5.16	<0.05
17898	Nitrate/Nitrite (mg/L)	12	0.30	0.56	2.00	<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, the transition from fecal coliform to e-coli as a bacterial indicator, and the use of 24-hour dissolved oxygen measurements. The most significant improvements directly related to data collected on Segment 2107 is the use of 24-hour dissolved-oxygen averages in place of the (historical) instantaneous measurements, and the use of E.coli as a bacterial indicator. 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, chemical, and bacterial data collected by the TAMUK/CBI team on the Atascosa River indicated impairment due to increased levels of bacteria in the water. A total of 13 of the 38 e-coli samples collected exceeded the single sample exceedance criteria associated with contact recreation use, and three of the four stations sampled yielded e-coli geometric means that exceeded the standard set by TCEQ for contact recreation. As a result of these findings, the Atascosa River (Segment 2107) will continue to be designated as impaired due to non-support of contact recreation due to elevated levels of bacteria in the stream.

The 24-hour dissolved oxygen data collected to verify the aquatic life use impairment provided inconclusive information on use attainment in the Atascosa River. Twenty-eight percent (11 out of 39) of the samples collected in this study exceeded the average criteria associated with a high aquatic life use. Additional data will be necessary to fully characterize the dissolved oxygen levels within this watershed in relation to other variable such as flow. This information would increase the level of understanding of this system and better define the appropriate course of action (TMDL, standards review, delisting) for addressing this problem.

## ESTABLISHING A TMDL FOR THE ATASCOSA RIVER

Currently, Texas Engineering Experiment Station (TEES) and the TCEQ are in the process of establishing a TMDL for the Atascosa River. 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 waterbodies 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)

In the case of the Atascosa River, the project team is currently in the development stages for a TMDL for bacteria. 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 allocation scenarios. The end result of this process will 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 while 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.

## REFERENCES

ECOMM (2005) Impairment Verification Monitoring—Volume 2: Biological and Habitat Components, Segment 2107 Atascosa River.

Sullivan, A., M. Beaman, F.J. Kelly, V. Palma and J. Walther, 2004: Impairment verification monitoring in eleven Texas water bodies: Step 1 for the development of successful and cost effective TMDLs. In: Proceedings of the Water Environment Federation 77<sup>th</sup> Annual Conference, October 2-6, 2004, New Orleans, LA.

TCEQ (2003) Surface Water Quality Monitoring Procedures, Volume 1: Physical and Chemical Monitoring Methods for Water, Sediment, and Tissue; RG 415; Austin, Texas.

TNRCC (1999) Receiving Water Assessment Procedures Manual, Water Quality Division, Surface Water Quality Monitoring Program; GI-253; June 1999; Austin, Texas.

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

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**Appendix A**  
**Fact Sheets**



# Atascosa River

Segment: 2107 Nueces River Basin

**Basin number:** 21  
**Basin group:** E  
**Water body description:** From the confluence with the Frio River in Live Oak County to the confluence of the West Prong Atascosa River and the North Prong Atascosa River in Atascosa County  
**Water body classification:** Classified  
**Water body type:** Freshwater Stream  
**Water body length / area:** 103 Miles  
**Water body uses:** Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

<b>Standards Not Met in 2004</b>				
Assessment Area	Use	Support Status	Parameter	Category
Lower 25 miles of segment	Contact Recreation Use	Not Supporting	bacteria	5a

<b>Standards Not Met and Concerns in Previous Years</b>				
Assessment Area	Use	Support Status or Concern	Parameter	Category
25 miles surrounding U.S. 281	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
25 miles surrounding U.S. 281	Contact Recreation Use	Not Supporting	bacteria	5a

**Additional Information:** The public water supply and general uses are fully supported. The fish consumption use was not assessed.

This segment was identified on the 2000 303(d) List as not supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion. There were insufficient 24-hour data for 2004.

<b>2004 Concerns:</b>			
Assessment Area	Use or Concern	Concern Status	Description of Concern
25 miles surrounding U.S. 281	Contact Recreation Use	Use Concern-Limited Data	bacteria
25 miles surrounding U.S. 281	Nutrient Enrichment Concern	Concern	ammonia
25 miles surrounding U.S. 281	Algal Growth Concern	Concern	excessive algal growth
25 miles surrounding U.S. 281	Public Water Supply Concern	Concern	total dissolved solids

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

<b>2004 Concerns:</b>			
<b>Assessment Area</b>	<b>Use or Concern</b>	<b>Concern Status</b>	<b>Description of Concern</b>
Lower 25 miles of segment	Public Water Supply Concern	Concern	total dissolved solids
Remainder of segment	Public Water Supply Concern	Concern	total dissolved solids

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
25 miles surrounding U.S. 281	12981	ATASCOSA RIVER ON DIRT ROAD DIRECTLY EAST OF PLEASANTON AT RAILROAD BRIDGE
25 miles surrounding U.S. 281	12982	ATASCOSA RIVER AT US 281 AT PLEASANTON
Lower 25 miles of segment	12980	ATASCOSA RIVER AT FM 99 BRIDGE WEST OF WHITSETT

<b>Published studies:</b>		
<b>Publication</b>	<b>Date</b>	<b>Author</b>
LP 94 Atascosa River	Apr. 1979	Ottmers, D.

Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream Nueces River Basin Total size: 103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Aquatic Life Use**

2002	Dissolved Oxygen grab average	No Concern	25 miles surrounding U.S. 281	25	12	2	
2002	Dissolved Oxygen grab average	No Concern	Lower 25 miles of segment	25	13	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	25 miles surrounding U.S. 281	25	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 25 miles of segment	25	13	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	25 miles surrounding U.S. 281	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 25 miles of segment	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	25 miles surrounding U.S. 281	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 25 miles of segment	25	0		
2002	Overall Aquatic Life Use	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Overall Aquatic Life Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	53			

**Contact Recreation Use**

2004	E. coli single sample	No Concern-Limited Data	25 miles surrounding U.S. 281	25	6	0	
2004	E. coli single sample	Not Supporting	Lower 25 miles of segment	25	10	7	
2004	E. coli geometric mean	No Concern-Limited Data	25 miles surrounding U.S. 281	25	6		
2004	E. coli geometric mean	Not Supporting	Lower 25 miles of segment	25	10		567
2004	Fecal coliform single sample	No Concern-Limited Data	25 miles surrounding U.S. 281	25	9	2	
2004	Fecal coliform single sample	Not Supporting	Lower 25 miles of segment	25	10	7	
2004	Fecal coliform geometric mean	Use Concern-Limited Data	25 miles surrounding U.S. 281	25	9		420

Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream Nueces River Basin Total size: 103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Contact Recreation Use** (continued)

2004	Fecal coliform geometric mean	Not Supporting	Lower 25 miles of segment	25	10		547
2004	Overall Recreation Use	Not Assessed	25 miles surrounding U.S. 281	25			
2004	Overall Recreation Use	Not Supporting	Lower 25 miles of segment	25			
2004	Overall Recreation Use	Not Assessed	Remainder of segment	53			

**General Use**

2002	Water Temperature	Fully Supporting	25 miles surrounding U.S. 281	25	13	0	
2002	Water Temperature	Fully Supporting	Lower 25 miles of segment	25	21	0	
2002	pH	Fully Supporting	25 miles surrounding U.S. 281	25	12	0	
2002	pH	Fully Supporting	Lower 25 miles of segment	25	16	0	
2002	Chloride	Fully Supporting	25 miles surrounding U.S. 281	25	30		183.5
2002	Chloride	Fully Supporting	Lower 25 miles of segment	25	30		183.5
2002	Chloride	Fully Supporting	Remainder of segment	53	30		183.5
2002	Sulfate	Fully Supporting	25 miles surrounding U.S. 281	25	30		161.8
2002	Sulfate	Fully Supporting	Lower 25 miles of segment	25	30		161.8
2002	Sulfate	Fully Supporting	Remainder of segment	53	30		161.8
2002	Total Dissolved Solids	Fully Supporting	25 miles surrounding U.S. 281	25	36		1,043.13
2002	Total Dissolved Solids	Fully Supporting	Lower 25 miles of segment	25	36		1,043.13
2002	Total Dissolved Solids	Fully Supporting	Remainder of segment	53	36		1,043.13
2002	Overall General Use	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Overall General Use	Fully Supporting	Lower 25 miles of segment	25			

**Segment ID: 2107      Water body name: Atascosa River**

Freshwater Stream                      Nueces River Basin                      Total size:                      103                      Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**General Use** (continued)

2002	Overall General Use	Fully Supporting	Remainder of segment	53			
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**Fish Consumption Use**

2002	Overall Fish Consumption Use	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Overall Fish Consumption Use	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	53			

**Public Water Supply Use**

2002	Finished Water: Running Avg	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Finished Water: Running Avg	Fully Supporting	Lower 25 miles of segment	25			
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	25 miles surrounding U.S. 281	25	12		2.69
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 25 miles of segment	25	17		0.2
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	25 miles surrounding U.S. 281	25	12	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 25 miles of segment	25	17	0	
2002	Overall Public Water Supply Use	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Overall Public Water Supply Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Public Water Supply Use	Fully Supporting	Remainder of segment	53			

**Overall Use Support**

2004		Fully Supporting	25 miles surrounding U.S. 281	25			
2004		Not Supporting	Lower 25 miles of segment	25			
2004		Fully Supporting	Remainder of segment	53			



Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream Nueces River Basin Total size: 103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	Concern	25 miles surrounding U.S. 281	25	13	4	
2002	Ammonia Nitrogen	No Concern	Lower 25 miles of segment	25	17	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	25 miles surrounding U.S. 281	25	12	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 25 miles of segment	25	17	0	
2002	Orthophosphorus	No Concern	25 miles surrounding U.S. 281	25	12	2	
2002	Orthophosphorus	No Concern	Lower 25 miles of segment	25	16	0	
2002	Total Phosphorus	No Concern	25 miles surrounding U.S. 281	25	13	2	
2002	Total Phosphorus	No Concern	Lower 25 miles of segment	25	17	2	
2002	Overall Nutrient Enrichment Concerns	Concern	25 miles surrounding U.S. 281	25			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 25 miles of segment	25			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	53			

**Algal Growth Concern**

2002	Chlorophyll a	Concern	25 miles surrounding U.S. 281	25	13	8	
2002	Chlorophyll a	No Concern	Lower 25 miles of segment	25	17	3	
2002	Chlorophyll a	Not Assessed	Remainder of segment	53			

**Sediment Contaminants Concern**

2002	Overall Sediment Contaminant Concerns	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	53			

Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream Nueces River Basin Total size: 103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	53			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Chloride	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Chloride	No Concern	Remainder of segment	53			
2002	Finished Water: Sulfate	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Sulfate	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Sulfate	No Concern	Remainder of segment	53			
2002	Finished Water: Total Dissolved Solids	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Remainder of segment	53			
2002	Finished Water: MTBE	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: MTBE	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: MTBE	No Concern	Remainder of segment	53			
2002	Finished Water: Perchlorate	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Finished Water: Perchlorate	Not Assessed	Lower 25 miles of segment	25			
2002	Finished Water: Perchlorate	Not Assessed	Remainder of segment	53			

Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream Nueces River Basin Total size: 103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Public Water Supply Concern** (continued)

2002	Finished Water: Overall	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Overall	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Overall	No Concern	Remainder of segment	53			
2002	Surface Water: Chloride	No Concern	25 miles surrounding U.S. 281	25	30		183.5
2002	Surface Water: Chloride	No Concern	Lower 25 miles of segment	25	30		183.5
2002	Surface Water: Chloride	No Concern	Remainder of segment	53	30		183.5
2002	Surface Water: Sulfate	No Concern	25 miles surrounding U.S. 281	25	30		161.8
2002	Surface Water: Sulfate	No Concern	Lower 25 miles of segment	25	30		161.8
2002	Surface Water: Sulfate	No Concern	Remainder of segment	53	30		161.8
2002	Surface Water: Total Dissolved Solids	Concern	25 miles surrounding U.S. 281	25	36		1,043.13
2002	Surface Water: Total Dissolved Solids	Concern	Lower 25 miles of segment	25	36		1,043.13
2002	Surface Water: Total Dissolved Solids	Concern	Remainder of segment	53	36		1,043.13
2002	Surface Water: Overall	Concern	25 miles surrounding U.S. 281	25			
2002	Surface Water: Overall	Concern	Lower 25 miles of segment	25			
2002	Surface Water: Overall	Concern	Remainder of segment	53			
2002	Overall Public Water Supply Concerns	Concern	25 miles surrounding U.S. 281	25			
2002	Overall Public Water Supply Concerns	Concern	Lower 25 miles of segment	25			
2002	Overall Public Water Supply Concerns	Concern	Remainder of segment	53			

Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream Nueces River Basin Total size: 103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	25 miles surrounding U.S. 281	25			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 25 miles of segment	25			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	53			

**Overall Secondary Concern**

2002		Concern	25 miles surrounding U.S. 281	25			
2002		Concern	Lower 25 miles of segment	25			
2002		Concern	Remainder of segment	53			

**Appendix B**  
**Raw Data**



Stationid	Enddate	STORETCODE	DESCRIPTION	GTLT	VALUE	Segment
17900	2/27/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11.22	2107
17898	5/1/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.1	2107
17899	3/25/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.47	2107
17899	2/27/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		9.81	2107
17900	10/1/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.43	2107
17899	9/24/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.63	2107
17898	10/1/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.74	2107
17899	5/1/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.18	2107
17898	8/6/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		32.61	2107
17900	5/1/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.01	2107
17899	6/12/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.53	2107
17899	5/14/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.74	2107
17898	6/15/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.64	2107
17898	6/12/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		28.08	2107
12980	3/25/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.97	2107
17898	5/14/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.91	2107
12980	6/15/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.76	2107
17900	9/24/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.85	2107
17899	10/1/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.25	2107
17899	6/15/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.36	2107
17899	10/8/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.22	2107
17900	10/8/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.57	2107
17900	8/6/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		28.24	2107
17900	5/14/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.38	2107
17898	10/8/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.3	2107
17898	8/21/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		31.21	2107
17899	12/11/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11.64	2107
17900	8/21/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		28.09	2107
17899	8/21/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.61	2107
17898	5/18/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.3	2107
17899	5/18/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.59	2107
17898	2/27/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		12.27	2107
17898	12/11/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11.54	2107
17900	12/11/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		11.33	2107
17900	1/30/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		13.51	2107
17900	6/12/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.85	2107
12980	5/18/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.95	2107
17898	9/24/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.14	2107
17898	3/25/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.87	2107
17900	4/8/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.08	2107
17899	4/8/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.05	2107
17898	4/8/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.64	2107
17899	1/30/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		13.68	2107
17898	1/30/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		13.38	2107
17898	5/14/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.799	2107
17899	9/24/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		8.84	2107
12980	5/18/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		81	2107
17900	10/8/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		5.3	2107
17899	10/1/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		9.03	2107
17898	2/27/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		10.99	2107
17900	10/1/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		6.42	2107
17900	5/14/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.971	2107
17898	8/6/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.046	2107
17900	5/1/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.711	2107
17898	12/11/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		41.45	2107
17899	5/1/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		6.131	2107
17898	5/1/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		2.67	2107
17898	5/18/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		2.0475	2107
17898	4/8/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.26	2107
17899	5/18/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		4.969	2107
17898	8/21/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.26	2107
17899	3/25/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.57	2107
17898	9/24/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.51	2107
12980	3/25/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		14.3	2107
17900	8/21/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.4	2107

17898	6/15/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		13.602	2107
17898	3/25/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		1.33	2107
17898	10/8/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.163	2107
12980	6/15/2004	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		169	2107
17898	10/1/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		4.32	2107
17899	8/6/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		2.159	2107
17899	10/8/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		7.95	2107
17899	8/21/2002	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		3.35	2107
17900	9/24/2003	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		6.152	2107
17898	5/18/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17898	8/6/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	2107
17898	9/24/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.2	2107
17898	4/8/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	1	2107
17899	6/12/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
17899	4/8/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17899	8/6/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.8	2107
17900	10/1/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
17900	8/21/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
12980	5/18/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17899	8/21/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
17898	1/30/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.25	2107
17900	2/27/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17899	1/30/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.75	2107
17898	10/8/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	1	2107
17898	2/27/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	2107
17898	3/25/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.1	2107
17899	5/18/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17899	12/11/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.15	2107
17898	8/21/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
17899	3/25/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.15	2107
17900	12/11/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.15	2107
17900	4/8/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17899	2/27/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.5	2107
17900	5/14/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	2107
17900	6/12/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	2107
17898	5/14/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.5	2107
17899	10/8/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	1	2107
17900	5/1/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	0.33	2107
17898	12/11/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.1	2107
17899	5/14/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.75	2107
17899	10/1/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
17898	6/12/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	2107
12980	3/25/2004	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.15	2107
17899	9/24/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.2	2107
17900	9/24/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.2	2107
17898	10/1/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)		1.1	2107
17899	5/1/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)		0.3962	2107
17900	10/8/2002	00078	TRANSPARENCY, SECCHI DISC (METERS)	<	1	2107
17900	8/6/2003	00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	2107
17899	9/24/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		736	2107
17898	5/1/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1529	2107
17899	12/11/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1810	2107
17899	8/21/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2140	2107
12980	5/18/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1786	2107
17900	9/24/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		995	2107
17898	1/30/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2422	2107
17899	10/8/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2440	2107
17898	5/14/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2508	2107
17899	5/14/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2201	2107
17899	5/1/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2294	2107
17900	10/8/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2780	2107
17899	6/12/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1642	2107
17900	5/1/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		216	2107
17898	10/1/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2090	2107
17900	6/12/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1097	2107
17900	5/14/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2089	2107

17898	10/8/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2230	2107
17899	4/8/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2369	2107
17900	12/11/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1620	2107
17898	6/12/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1954	2107
17900	4/8/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2170	2107
17898	3/25/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1897	2107
17899	10/1/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2330	2107
12980	3/25/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2015	2107
17898	12/11/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1161	2107
17898	9/24/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1178	2107
17898	8/21/2002	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2270	2107
17898	4/8/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2117	2107
17900	2/27/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1319	2107
17899	5/18/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1794	2107
12980	6/15/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		784	2107
17899	1/30/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2527	2107
17899	2/27/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1291	2107
17900	1/30/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		2481	2107
17899	6/15/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1251	2107
17898	8/6/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1339	2107
17898	6/15/2004	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		1127	2107
17900	8/6/2003	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		371	2107
17900	5/1/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.54	2107
17899	2/27/2003	00300	OXYGEN, DISSOLVED (MG/L)		9.74	2107
17898	5/1/2003	00300	OXYGEN, DISSOLVED (MG/L)		7.44	2107
17899	8/21/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.18	2107
17898	5/14/2003	00300	OXYGEN, DISSOLVED (MG/L)		7.04	2107
17899	9/24/2003	00300	OXYGEN, DISSOLVED (MG/L)		4.96	2107
17900	12/11/2002	00300	OXYGEN, DISSOLVED (MG/L)		9.3	2107
17899	10/1/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.42	2107
17900	8/6/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.74	2107
12980	6/15/2004	00300	OXYGEN, DISSOLVED (MG/L)		6.25	2107
17899	5/14/2003	00300	OXYGEN, DISSOLVED (MG/L)		4.77	2107
17900	5/14/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.12	2107
17899	5/1/2003	00300	OXYGEN, DISSOLVED (MG/L)		4.88	2107
17898	5/18/2004	00300	OXYGEN, DISSOLVED (MG/L)		5.52	2107
17900	10/1/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.48	2107
17900	2/27/2003	00300	OXYGEN, DISSOLVED (MG/L)		9.07	2107
17898	12/11/2002	00300	OXYGEN, DISSOLVED (MG/L)		9.16	2107
17898	4/8/2003	00300	OXYGEN, DISSOLVED (MG/L)		8.4	2107
17898	10/8/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.62	2107
17898	8/6/2003	00300	OXYGEN, DISSOLVED (MG/L)		6.14	2107
17898	8/21/2002	00300	OXYGEN, DISSOLVED (MG/L)		7.15	2107
17899	4/8/2003	00300	OXYGEN, DISSOLVED (MG/L)		4.86	2107
17900	4/8/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.83	2107
17900	8/21/2002	00300	OXYGEN, DISSOLVED (MG/L)		5.5	2107
17899	3/25/2004	00300	OXYGEN, DISSOLVED (MG/L)		4.95	2107
17899	10/8/2002	00300	OXYGEN, DISSOLVED (MG/L)		4.14	2107
17898	3/25/2004	00300	OXYGEN, DISSOLVED (MG/L)		6.88	2107
12980	5/18/2004	00300	OXYGEN, DISSOLVED (MG/L)		6.87	2107
17900	10/8/2002	00300	OXYGEN, DISSOLVED (MG/L)		4.17	2107
17898	9/24/2003	00300	OXYGEN, DISSOLVED (MG/L)		8	2107
17900	6/12/2003	00300	OXYGEN, DISSOLVED (MG/L)		4.2	2107
12980	3/25/2004	00300	OXYGEN, DISSOLVED (MG/L)		7.69	2107
17899	6/12/2003	00300	OXYGEN, DISSOLVED (MG/L)		4.05	2107
17899	12/11/2002	00300	OXYGEN, DISSOLVED (MG/L)		9.41	2107
17898	6/12/2003	00300	OXYGEN, DISSOLVED (MG/L)		5.32	2107
17898	1/30/2003	00300	OXYGEN, DISSOLVED (MG/L)		14.02	2107
17898	10/1/2002	00300	OXYGEN, DISSOLVED (MG/L)		6.9	2107
17900	9/24/2003	00300	OXYGEN, DISSOLVED (MG/L)		6.01	2107
17898	2/27/2003	00300	OXYGEN, DISSOLVED (MG/L)		9.71	2107
17899	5/18/2004	00300	OXYGEN, DISSOLVED (MG/L)		4.63	2107
17899	6/15/2004	00300	OXYGEN, DISSOLVED (MG/L)		5.36	2107
17898	6/15/2004	00300	OXYGEN, DISSOLVED (MG/L)		6.47	2107
17898	9/24/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)		3	2107
17900	8/21/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	2107

17899	8/21/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	2107
17898	8/21/2002	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	2107
17900	9/24/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)		2.6	2107
17899	9/24/2003	00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)		3	2107
17899	3/25/2004	00400	PH (STANDARD UNITS)		7.64	2107
17898	6/15/2004	00400	PH (STANDARD UNITS)		7.63	2107
17900	6/12/2003	00400	PH (STANDARD UNITS)		7.5	2107
17900	10/1/2002	00400	PH (STANDARD UNITS)		7.48	2107
17899	4/8/2003	00400	PH (STANDARD UNITS)		7.68	2107
17898	10/8/2002	00400	PH (STANDARD UNITS)		7.98	2107
17898	4/8/2003	00400	PH (STANDARD UNITS)		8.06	2107
17899	6/12/2003	00400	PH (STANDARD UNITS)		7.65	2107
17898	5/18/2004	00400	PH (STANDARD UNITS)		7.65	2107
17899	1/30/2003	00400	PH (STANDARD UNITS)		8.08	2107
17898	10/1/2002	00400	PH (STANDARD UNITS)		7.32	2107
17899	5/14/2003	00400	PH (STANDARD UNITS)		7.69	2107
17900	10/8/2002	00400	PH (STANDARD UNITS)		7.48	2107
17900	8/6/2003	00400	PH (STANDARD UNITS)		7.7	2107
17899	6/15/2004	00400	PH (STANDARD UNITS)		7.34	2107
17899	9/24/2003	00400	PH (STANDARD UNITS)		7.39	2107
17898	12/11/2002	00400	PH (STANDARD UNITS)		7.62	2107
17900	9/24/2003	00400	PH (STANDARD UNITS)		7.74	2107
12980	6/15/2004	00400	PH (STANDARD UNITS)		7.3	2107
17898	5/14/2003	00400	PH (STANDARD UNITS)		8.03	2107
17899	5/1/2003	00400	PH (STANDARD UNITS)		7.53	2107
17900	2/27/2003	00400	PH (STANDARD UNITS)		8.41	2107
17898	3/25/2004	00400	PH (STANDARD UNITS)		7.87	2107
17899	10/1/2002	00400	PH (STANDARD UNITS)		7.67	2107
12980	3/25/2004	00400	PH (STANDARD UNITS)		7.98	2107
17900	5/14/2003	00400	PH (STANDARD UNITS)		7.75	2107
17898	6/12/2003	00400	PH (STANDARD UNITS)		7.69	2107
17900	5/1/2003	00400	PH (STANDARD UNITS)		7.78	2107
17898	8/6/2003	00400	PH (STANDARD UNITS)		7.96	2107
17898	8/21/2002	00400	PH (STANDARD UNITS)		8.13	2107
17898	9/24/2003	00400	PH (STANDARD UNITS)		8.02	2107
17898	5/1/2003	00400	PH (STANDARD UNITS)		8.17	2107
17899	10/8/2002	00400	PH (STANDARD UNITS)		7.45	2107
17900	8/21/2002	00400	PH (STANDARD UNITS)		7.71	2107
17899	5/18/2004	00400	PH (STANDARD UNITS)		7.54	2107
17900	12/11/2002	00400	PH (STANDARD UNITS)		7.88	2107
17898	2/27/2003	00400	PH (STANDARD UNITS)		7.53	2107
17898	1/30/2003	00400	PH (STANDARD UNITS)		7.79	2107
17899	2/27/2003	00400	PH (STANDARD UNITS)		7.8	2107
12980	5/18/2004	00400	PH (STANDARD UNITS)		7.65	2107
17900	1/30/2003	00400	PH (STANDARD UNITS)		7.85	2107
17899	12/11/2002	00400	PH (STANDARD UNITS)		7.89	2107
17898	10/8/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		319	2107
17899	9/24/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		144	2107
17900	10/1/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		321.97	2107
17899	8/26/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		252.69	2107
17900	2/27/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		181.28	2107
17898	5/14/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		189.73	2107
17899	4/8/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		305.94	2107
17898	5/1/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		316.43	2107
17898	9/24/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		188	2107
17899	6/15/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		124	2107
17899	5/18/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		223	2107
17899	8/6/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		259.88	2107
17900	4/8/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		286.61	2107
17900	12/11/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		1406.68	2107
17899	10/8/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		319	2107
17898	6/12/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		219.48	2107
17900	10/8/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		292	2107
17900	9/24/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		168	2107
12980	6/15/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		124	2107
17899	5/14/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		277.95	2107

17898	8/6/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		196.56	2107
17899	5/1/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		304.82	2107
17898	12/11/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		1004.85	2107
17899	8/21/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		316	2107
17898	4/8/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		311.6	2107
17899	12/11/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		668.4	2107
17898	2/27/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		167.98	2107
17898	5/18/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		197	2107
17898	8/21/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		306	2107
12980	3/25/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		315	2107
17898	1/30/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		325.8	2107
17898	10/1/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		309.71	2107
17899	6/12/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		198.39	2107
17900	5/1/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		297.08	2107
17898	6/15/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		164	2107
17899	3/25/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		280	2107
17900	5/14/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		452.67	2107
17900	1/30/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		314.77	2107
12980	5/18/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		156	2107
17900	6/12/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		119.02	2107
17899	1/30/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		318.7	2107
17900	8/21/2002	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		308	2107
17900	8/6/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		226.78	2107
17899	2/27/2003	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		177.12	2107
17898	3/25/2004	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		276	2107
17899	5/18/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		49	2107
17898	5/18/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		25	2107
17898	9/24/2003	00530	TOTAL SUSPENDED SOLIDS (MG/l)		30	2107
17899	3/25/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		35	2107
17899	6/15/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		36	2107
12980	5/18/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		109	2107
17900	9/24/2003	00530	TOTAL SUSPENDED SOLIDS (MG/l)		121	2107
12980	6/15/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		103	2107
17898	3/25/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		22	2107
17898	6/15/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		37	2107
17899	9/24/2003	00530	TOTAL SUSPENDED SOLIDS (MG/l)		109	2107
12980	3/25/2004	00530	TOTAL SUSPENDED SOLIDS (MG/l)		64	2107
17898	5/1/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17900	10/8/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	2107
17899	10/8/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.074	2107
17900	9/24/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
12980	5/18/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	2107
17898	12/11/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.02	2107
17899	2/27/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.33	2107
17899	3/25/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	2107
17899	5/14/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17899	6/15/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	2107
17899	8/6/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	6/15/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	2107
12980	3/25/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.032	2107
17900	4/8/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	9/24/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	3/25/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	2107
17898	2/27/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.48	2107
12980	6/15/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	2107
17899	8/26/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	5/14/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17900	5/14/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17899	8/21/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1	2107
17898	8/6/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17899	4/8/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	4/8/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	8/21/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1	2107
17900	5/1/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17899	9/24/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17899	6/12/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107



17899	12/11/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	2107
17900	6/12/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17900	8/6/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17900	8/21/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1	2107
17900	2/27/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.47	2107
17899	5/1/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17899	1/30/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.42	2107
17900	12/11/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.59	2107
17898	5/18/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.218	2107
17900	1/30/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.41	2107
17898	6/12/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	2107
17898	1/30/2003	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.45	2107
17898	10/8/2002	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.107	2107
17899	5/18/2004	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03	2107
17899	6/12/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	5/1/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17899	8/21/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.61	2107
17900	1/30/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
12980	6/15/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
12980	3/25/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
17899	9/24/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	4/8/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	6/12/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	5/14/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17900	5/1/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.019	2107
17899	1/30/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	6/15/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
17899	4/8/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17900	4/8/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17899	5/14/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	10/8/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.2	2107
17898	9/24/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17900	9/24/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17899	3/25/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
17899	5/1/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17899	5/18/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
17898	8/21/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.5	2107
17900	8/6/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17899	10/8/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.2	2107
17898	8/6/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17900	8/21/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.5	2107
17900	6/12/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17899	6/15/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
12980	5/18/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
17900	10/8/2002	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.2	2107
17899	8/6/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17900	5/14/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	1/30/2003	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	2107
17898	3/25/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05	2107
17898	5/18/2004	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.05	2107
12980	6/15/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17900	2/27/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.115	2107
17899	6/12/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.78	2107
17899	2/27/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.75	2107
17900	5/14/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.33	2107
17898	2/27/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.323	2107
12980	3/25/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17900	5/1/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		7.65	2107
17899	8/6/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.68	2107
17898	5/1/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.01	2107
17899	3/25/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.06	2107
12980	5/18/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17899	8/26/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.76	2107
17900	6/12/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.47	2107
17899	6/15/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17898	3/25/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107

17898	6/15/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17900	8/21/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		4.3	2107
17899	5/1/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		4.33	2107
17898	5/14/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.31	2107
17898	6/12/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.01	2107
17898	4/8/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.21	2107
17898	5/18/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17898	8/6/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.07	2107
17899	10/8/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.62	2107
17900	10/8/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		2.68	2107
17900	9/24/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.4	2107
17900	8/6/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		9.51	2107
17899	8/21/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		3.5	2107
17899	5/14/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		5.16	2107
17899	9/24/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.7	2107
17899	4/8/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.923	2107
17898	9/24/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.5	2107
17898	8/21/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	2	2107
17898	10/8/2002	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.02	2107
17899	5/18/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05	2107
17900	4/8/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		2.755	2107
17899	5/1/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.014	2107
17899	10/8/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.222	2107
17899	6/15/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.269	2107
17900	6/12/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.042	2107
17899	9/24/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.65	2107
17900	12/11/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		51.5	2107
17898	3/25/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.182	2107
12980	6/15/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.309	2107
17898	5/18/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.11	2107
17900	10/8/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.389	2107
17899	3/25/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.573	2107
17899	8/21/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.32	2107
17898	1/30/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.013	2107
17898	5/1/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.028	2107
17900	8/6/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1.495	2107
17898	6/15/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.234	2107
17900	5/14/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.017	2107
17898	9/24/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.16	2107
17899	5/14/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	2107
17898	10/8/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.126	2107
17900	4/8/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.497	2107
17898	6/12/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.103	2107
17899	4/8/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.198	2107
12980	5/18/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.242	2107
17898	8/21/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.1	2107
17899	8/6/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.401	2107
17899	5/18/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.382	2107
17900	9/24/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.98	2107
17898	8/6/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.162	2107
17898	5/14/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	2107
17899	12/11/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		109.72	2107
17898	4/8/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.034	2107
17898	12/11/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		69.74	2107
17900	5/1/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.019	2107
17900	1/30/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.211	2107
17899	6/12/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.01	2107
17900	8/21/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.96	2107
12980	3/25/2004	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.348	2107
17899	1/30/2003	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		0.117	2107
17899	8/26/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.98	2107
17899	5/1/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		2.08	2107
17899	9/24/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.18	2107
17900	5/1/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1.32	2107
17900	2/27/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.19	2107
17898	5/14/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		2.2	2107

17900	9/24/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.32	2107
17899	8/21/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.1	2107
17898	6/15/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.175	2107
17898	8/21/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.1	2107
17898	5/1/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.91	2107
17899	5/14/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.44	2107
17898	9/24/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.06	2107
17900	8/21/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.14	2107
17899	1/30/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.01	2107
12980	6/15/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.197	2107
17898	10/8/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.04	2107
17899	5/18/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.364	2107
17899	6/12/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.6	2107
17900	8/6/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1.86	2107
17898	1/30/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	2107
17898	4/8/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.025	2107
17899	6/15/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.142	2107
17900	10/1/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.22	2107
17899	4/8/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.162	2107
17898	2/27/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.02	2107
17900	6/12/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.56	2107
17900	4/8/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.421	2107
17900	1/30/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.24	2107
17899	10/1/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.07	2107
17898	10/1/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.01	2107
17899	2/27/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.11	2107
17899	3/25/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.503	2107
12980	5/18/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.081	2107
17899	8/6/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.47	2107
17899	10/8/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.109	2107
17898	3/25/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.08	2107
17898	6/12/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.1	2107
17898	5/18/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.06	2107
17900	5/14/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	2107
17900	10/8/2002	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.268	2107
12980	3/25/2004	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.218	2107
17898	8/6/2003	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.13	2107
17899	8/26/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.1	2107
17899	1/30/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		12.41	2107
17898	5/18/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.3	2107
17899	8/6/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.44	2107
17900	8/6/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.13	2107
17898	6/15/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		11.2	2107
17899	6/12/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.22	2107
17900	5/14/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.59	2107
12980	5/18/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		12.8	2107
17898	8/6/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		14.7	2107
17898	5/14/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		1.39	2107
17899	5/1/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		12.58	2107
17899	8/21/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.7	2107
17898	12/11/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		8.01	2107
17898	1/30/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.7	2107
17899	12/11/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.91	2107
17898	10/8/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.42	2107
17900	8/21/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.1	2107
17899	5/18/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		11.2	2107
17900	10/1/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.94	2107
17900	5/1/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.17	2107
17899	10/1/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.48	2107
17900	6/12/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.37	2107
17898	2/27/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		10.77	2107
17900	12/11/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.13	2107
12980	6/15/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		14.7	2107
17898	10/1/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		8.98	2107
17898	8/21/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6	2107
17898	3/25/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.8	2107

17899	4/8/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.8	2107
17900	4/8/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.17	2107
17898	5/1/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.36	2107
17898	6/12/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		15.2	2107
17898	4/8/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.9	2107
17898	9/24/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		8.7	2107
17900	10/8/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.09333	2107
17899	10/8/2002	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.38	2107
17900	2/27/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		13.12	2107
17899	2/27/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		11.26	2107
17899	5/14/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.3	2107
12980	3/25/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.6	2107
17899	3/25/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5	2107
17899	6/15/2004	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		13.5	2107
17900	1/30/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		10.75	2107
17900	9/24/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		10.7	2107
17899	9/24/2003	00680	CARBON, TOTAL ORGANIC (MG/L AS C)		10.9	2107
17899	8/21/2002	00800	Channel Flow Status 1=high 2=moderate 3=low 4=no flow		1	2107
17900	8/20/2002	00800	Channel Flow Status 1=high 2=moderate 3=low 4=no flow		1	2107
17899	4/8/2003	00800	Channel Flow Status 1=high 2=moderate 3=low 4=no flow		1	2107
17898	8/19/2002	00800	Channel Flow Status 1=high 2=moderate 3=low 4=no flow		1	2107
17900	4/8/2003	00800	Channel Flow Status 1=high 2=moderate 3=low 4=no flow		1	2107
17898	4/7/2003	00800	Channel Flow Status 1=high 2=moderate 3=low 4=no flow		1	2107
17899	8/21/2002	00812	Statewide criteria IBI Score	Int	44	2107
17900	8/20/2002	00812	Statewide criteria IBI Score	LmInt	38	2107
17899	4/8/2003	00812	Statewide criteria IBI Score	LmInt	36	2107
17898	8/19/2002	00812	Statewide criteria IBI Score	Int	40	2107
17898	4/7/2003	00812	Statewide criteria IBI Score	Int	43	2107
17900	4/8/2003	00812	Statewide criteria IBI Score	LmInt	34	2107
17899	4/8/2003	00813	Number of native cyprinid species		3	2107
17899	8/21/2002	00813	Number of native cyprinid species		4	2107
17898	4/7/2003	00813	Number of native cyprinid species		4	2107
17898	8/19/2002	00813	Number of native cyprinid species		3	2107
17900	4/8/2003	00813	Number of native cyprinid species		4	2107
17900	8/20/2002	00813	Number of native cyprinid species		2	2107
17899	8/21/2002	00814	Number of benthic invertivore species		0	2107
17898	8/19/2002	00814	Number of benthic invertivore species		0	2107
17899	4/8/2003	00814	Number of benthic invertivore species		0	2107
17900	4/8/2003	00814	Number of benthic invertivore species		0	2107
17900	8/20/2002	00814	Number of benthic invertivore species		0	2107
17898	4/7/2003	00814	Number of benthic invertivore species		1	2107
17899	4/8/2003	00816	Percentage of individuals as tolerants ex.G.affinis		37.7	2107
17898	8/19/2002	00816	Percentage of individuals as tolerants ex.G.affinis		46	2107
17899	8/21/2002	00816	Percentage of individuals as tolerants ex.G.affinis		29	2107
17900	8/20/2002	00816	Percentage of individuals as tolerants ex.G.affinis		42	2107
17898	4/7/2003	00816	Percentage of individuals as tolerants ex.G.affinis		72.7	2107
17900	4/8/2003	00816	Percentage of individuals as tolerants ex.G.affinis		42.9	2107
17899	8/21/2002	00817	Number of individuals/seine haul		22	2107
17899	4/8/2003	00817	Number of individuals/seine haul		5.8	2107
17898	4/7/2003	00817	Number of individuals/seine haul		91.3	2107
17898	8/19/2002	00817	Number of individuals/seine haul		21	2107
17900	4/8/2003	00817	Number of individuals/seine haul		5.5	2107
17900	8/20/2002	00817	Number of individuals/seine haul		17	2107
17899	8/21/2002	00818	Number of individuals/min electrofishing		6.2	2107
17898	4/7/2003	00818	Number of individuals/min electrofishing		11	2107
17899	4/8/2003	00818	Number of individuals/min electrofishing		1.2	2107
17900	4/8/2003	00818	Number of individuals/min electrofishing		1.5	2107
17898	8/19/2002	00818	Number of individuals/min electrofishing		3.4	2107
17900	8/20/2002	00818	Number of individuals/min electrofishing		2.3	2107
17899	4/8/2003	00819	Percentage of ind. as non-native species		0	2107
17898	8/19/2002	00819	Percentage of ind. as non-native species		2.3	2107
17900	8/20/2002	00819	Percentage of ind. as non-native species		2.2	2107
17898	4/7/2003	00819	Percentage of ind. as non-native species		0.3	2107
17899	8/21/2002	00819	Percentage of ind. as non-native species		0.89	2107
17900	4/8/2003	00819	Percentage of ind. as non-native species		0	2107
17898	8/19/2002	00820	Regional Criteria IBI Score	Int	37	2107

17900	4/8/2003	00820	Regional Criteria IBI Score	Hgh	42	2107
17899	4/8/2003	00820	Regional Criteria IBI Score	Lim	34	2107
17899	8/21/2002	00820	Regional Criteria IBI Score	Int	40	2107
17898	4/7/2003	00820	Regional Criteria IBI Score	Int	40	2107
17900	8/20/2002	00820	Regional Criteria IBI Score	Lim	30	2107
17900	4/8/2003	00832	Total RBP Score	Int	25	2107
17898	4/7/2003	00832	Total RBP Score	Int	23	2107
17899	8/21/2002	00832	Total RBP Score	Int	25	2107
17898	8/19/2002	00832	Total RBP Score	Lim	18	2107
17900	8/20/2002	00832	Total RBP Score	Hgh	29	2107
17899	4/8/2003	00832	Total RBP Score	Lim	19	2107
17900	8/20/2002	00833	Habitat Quality Index	Int	19	2107
17900	4/8/2003	00833	Habitat Quality Index	Int	25	2107
17899	8/21/2002	00833	Habitat Quality Index	Int	17	2107
17898	8/19/2002	00833	Habitat Quality Index	Int	18	2107
17899	4/8/2003	00833	Habitat Quality Index	Int	15	2107
17898	4/7/2003	00833	Habitat Quality Index	Int	17	2107
17899	6/12/2003	00940	CHLORIDE (MG/L AS CL)		173.62	2107
17899	6/15/2004	00940	CHLORIDE (MG/L AS CL)		146	2107
17900	4/8/2003	00940	CHLORIDE (MG/L AS CL)		342.88	2107
17899	8/6/2003	00940	CHLORIDE (MG/L AS CL)		165.09	2107
17898	2/27/2003	00940	CHLORIDE (MG/L AS CL)		116.13	2107
17899	10/8/2002	00940	CHLORIDE (MG/L AS CL)		317	2107
17899	3/25/2004	00940	CHLORIDE (MG/L AS CL)		292	2107
17898	8/6/2003	00940	CHLORIDE (MG/L AS CL)		150.24	2107
12980	6/15/2004	00940	CHLORIDE (MG/L AS CL)		97	2107
17898	3/25/2004	00940	CHLORIDE (MG/L AS CL)		284	2107
17898	10/1/2002	00940	CHLORIDE (MG/L AS CL)		197.72	2107
17900	12/11/2002	00940	CHLORIDE (MG/L AS CL)		83.33	2107
17900	8/6/2003	00940	CHLORIDE (MG/L AS CL)		161.76	2107
17899	12/11/2002	00940	CHLORIDE (MG/L AS CL)		95.14	2107
17898	12/11/2002	00940	CHLORIDE (MG/L AS CL)		77.08	2107
17898	5/18/2004	00940	CHLORIDE (MG/L AS CL)		209	2107
12980	3/25/2004	00940	CHLORIDE (MG/L AS CL)		326	2107
17900	10/8/2002	00940	CHLORIDE (MG/L AS CL)		380	2107
17898	4/8/2003	00940	CHLORIDE (MG/L AS CL)		345.22	2107
17899	5/18/2004	00940	CHLORIDE (MG/L AS CL)		247	2107
17899	4/8/2003	00940	CHLORIDE (MG/L AS CL)		350.54	2107
12980	5/18/2004	00940	CHLORIDE (MG/L AS CL)		345	2107
17898	6/12/2003	00940	CHLORIDE (MG/L AS CL)		199.1	2107
17898	5/14/2003	00940	CHLORIDE (MG/L AS CL)		9.92	2107
17900	8/21/2002	00940	CHLORIDE (MG/L AS CL)		392	2107
17900	2/27/2003	00940	CHLORIDE (MG/L AS CL)		152.28	2107
17898	10/8/2002	00940	CHLORIDE (MG/L AS CL)		310	2107
17899	5/1/2003	00940	CHLORIDE (MG/L AS CL)		295.27	2107
17899	2/27/2003	00940	CHLORIDE (MG/L AS CL)		146.78	2107
17899	9/24/2003	00940	CHLORIDE (MG/L AS CL)		99	2107
17900	10/1/2002	00940	CHLORIDE (MG/L AS CL)		260.49	2107
17900	1/30/2003	00940	CHLORIDE (MG/L AS CL)		287.45	2107
17900	6/12/2003	00940	CHLORIDE (MG/L AS CL)		126.97	2107
17900	9/24/2003	00940	CHLORIDE (MG/L AS CL)		142	2107
17898	6/15/2004	00940	CHLORIDE (MG/L AS CL)		148	2107
17899	1/30/2003	00940	CHLORIDE (MG/L AS CL)		288.38	2107
17898	5/1/2003	00940	CHLORIDE (MG/L AS CL)		307.11	2107
17898	1/30/2003	00940	CHLORIDE (MG/L AS CL)		279.74	2107
17900	5/14/2003	00940	CHLORIDE (MG/L AS CL)		8.98	2107
17898	9/24/2003	00940	CHLORIDE (MG/L AS CL)		172	2107
17898	8/21/2002	00940	CHLORIDE (MG/L AS CL)		472	2107
17899	8/21/2002	00940	CHLORIDE (MG/L AS CL)		416	2107
17899	8/26/2003	00940	CHLORIDE (MG/L AS CL)		202.12	2107
17900	5/1/2003	00940	CHLORIDE (MG/L AS CL)		298.78	2107
12980	5/18/2004	00945	SULFATE (MG/L AS SO4)		294	2107
17900	10/8/2002	00945	SULFATE (MG/L AS SO4)		610	2107
17898	8/6/2003	00945	SULFATE (MG/L AS SO4)		185.8	2107
17898	12/11/2002	00945	SULFATE (MG/L AS SO4)		352.09	2107
17899	6/12/2003	00945	SULFATE (MG/L AS SO4)		155.92	2107

17900	12/11/2002	00945	SULFATE (MG/L AS SO4)	<	7.2	2107
17900	6/12/2003	00945	SULFATE (MG/L AS SO4)		217.23	2107
17899	10/8/2002	00945	SULFATE (MG/L AS SO4)		459	2107
17900	1/30/2003	00945	SULFATE (MG/L AS SO4)		666.74	2107
17899	12/11/2002	00945	SULFATE (MG/L AS SO4)		59.58	2107
17898	1/30/2003	00945	SULFATE (MG/L AS SO4)		591.44	2107
12980	3/25/2004	00945	SULFATE (MG/L AS SO4)		245	2107
17898	6/12/2003	00945	SULFATE (MG/L AS SO4)		213.92	2107
17899	8/21/2002	00945	SULFATE (MG/L AS SO4)		1543	2107
17898	5/18/2004	00945	SULFATE (MG/L AS SO4)		314	2107
17899	6/15/2004	00945	SULFATE (MG/L AS SO4)		292	2107
17898	8/21/2002	00945	SULFATE (MG/L AS SO4)		515	2107
17899	2/27/2003	00945	SULFATE (MG/L AS SO4)		266.13	2107
17900	9/24/2003	00945	SULFATE (MG/L AS SO4)		168	2107
17898	2/27/2003	00945	SULFATE (MG/L AS SO4)		189.53	2107
17899	3/25/2004	00945	SULFATE (MG/L AS SO4)		375	2107
12980	6/15/2004	00945	SULFATE (MG/L AS SO4)		157	2107
17898	3/25/2004	00945	SULFATE (MG/L AS SO4)		385	2107
17898	9/24/2003	00945	SULFATE (MG/L AS SO4)		190	2107
17898	6/15/2004	00945	SULFATE (MG/L AS SO4)		237	2107
17899	8/6/2003	00945	SULFATE (MG/L AS SO4)		299.87	2107
17900	8/21/2002	00945	SULFATE (MG/L AS SO4)		409	2107
17898	10/8/2002	00945	SULFATE (MG/L AS SO4)		401	2107
17899	5/18/2004	00945	SULFATE (MG/L AS SO4)		408	2107
17899	1/30/2003	00945	SULFATE (MG/L AS SO4)		700.79	2107
17899	8/26/2003	00945	SULFATE (MG/L AS SO4)		232.29	2107
17900	2/27/2003	00945	SULFATE (MG/L AS SO4)		279.58	2107
17900	8/6/2003	00945	SULFATE (MG/L AS SO4)		187.51	2107
17899	9/24/2003	00945	SULFATE (MG/L AS SO4)		123	2107
17899	4/8/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17898	6/15/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17899	2/27/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17900	10/1/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17900	4/8/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17899	8/6/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17898	12/11/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17899	1/30/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17899	6/15/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17899	5/18/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17900	8/6/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
12980	6/15/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17899	12/11/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17898	5/18/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17898	2/27/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17900	2/27/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17898	1/30/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17898	8/6/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
12980	5/18/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17900	12/11/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17899	6/12/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17898	8/21/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17900	9/24/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17900	10/8/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
12980	3/25/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17898	5/14/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17898	6/12/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17898	9/24/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17898	10/1/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17899	9/24/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17899	3/25/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17900	6/12/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17898	3/25/2004	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17899	5/14/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17900	5/14/2003	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17900	8/21/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17899	10/8/2002	01351	FLOW: 1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107



17898	4/8/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17899	8/21/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17898	5/1/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17899	5/1/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17898	10/8/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3	2107
17900	5/1/2003	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2	2107
17899	10/1/2002	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5	2107
17900	4/8/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		152	2107
17899	2/27/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	>	300	2107
17899	9/24/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		560	2107
17900	9/24/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		450	2107
17899	8/6/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		313	2107
17898	9/24/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		240	2107
17898	5/14/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		172	2107
17898	5/18/2004	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		96	2107
17899	5/18/2004	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		300	2107
17900	5/1/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		196	2107
17899	5/1/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		540	2107
17899	5/14/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		400	2107
12980	5/18/2004	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		909	2107
17898	5/1/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		214	2107
17898	3/25/2004	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		1000	2107
17900	8/6/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		133	2107
17899	3/25/2004	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		1100	2107
17898	10/1/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		31	2107
12980	3/25/2004	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		800	2107
17900	8/21/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	<	1	2107
17899	10/8/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		909	2107
17899	12/11/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		2200	2107
17900	10/1/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		200	2107
17899	6/12/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		701	2107
17898	10/8/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		6218	2107
17900	12/11/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		721	2107
17898	8/21/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	<	1	2107
17899	8/21/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	<	1	2107
17899	4/8/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		273	2107
17898	12/11/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		2300	2107
17899	10/1/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		285	2107
17898	2/27/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	>	300	2107
17900	2/27/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	>	300	2107
17900	10/8/2002	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		818	2107
17898	4/8/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		273	2107
17900	6/12/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		720	2107
17898	8/6/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		72	2107
17898	6/12/2003	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		2850	2107
17900	9/24/2003	31648	E. COLI, MTEC, MF, #/100 ML		210	2107
17899	9/24/2003	31648	E. COLI, MTEC, MF, #/100 ML		330	2107
17899	6/15/2004	31648	E. COLI, MTEC, MF, #/100 ML		460	2107
17898	6/15/2004	31648	E. COLI, MTEC, MF, #/100 ML		210	2107
17898	9/24/2003	31648	E. COLI, MTEC, MF, #/100 ML		160	2107
12980	3/25/2004	31648	E. COLI, MTEC, MF, #/100 ML		1200	2107
12980	5/18/2004	31648	E. COLI, MTEC, MF, #/100 ML		727	2107
17899	3/25/2004	31648	E. COLI, MTEC, MF, #/100 ML		700	2107
17898	3/25/2004	31648	E. COLI, MTEC, MF, #/100 ML		192	2107
17898	5/18/2004	31648	E. COLI, MTEC, MF, #/100 ML		53	2107
12980	6/15/2004	31648	E. COLI, MTEC, MF, #/100 ML		390	2107
17899	5/18/2004	31648	E. COLI, MTEC, MF, #/100 ML		1200	2107
17899	4/8/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		120.1	2107
17898	5/1/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		82	2107
17899	5/1/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		579.4	2107
17900	5/1/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		228.2	2107
17898	4/8/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		83.6	2107
17900	4/8/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		38.8	2107
17900	5/14/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		272.3	2107
17900	6/12/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		231	2107
17898	12/11/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1986.3	2107

17899	5/14/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		228.2	2107
17899	12/11/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1986.3	2107
17900	12/11/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		816.4	2107
17900	8/6/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		70	2107
17899	6/12/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		461.1	2107
17898	8/6/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		18	2107
17898	5/14/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		14.5	2107
17900	10/1/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1299.7	2107
17899	10/1/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		178.9	2107
17898	10/8/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		128.1	2107
17899	8/21/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		325.5	2107
17898	8/21/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		7.3	2107
17899	2/27/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		248.1	2107
17899	10/8/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		156.5	2107
17900	8/21/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		980.4	2107
17898	10/1/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		88	2107
17900	10/8/2002	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		816.4	2107
17899	8/6/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		178	2107
17898	2/27/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		365.4	2107
17900	2/27/2003	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		648.8	2107
17899	1/30/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	6/12/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	10/8/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	2107
17898	5/14/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	10/8/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	2107
17898	12/11/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	5/18/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		15	2107
17900	10/1/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	8/21/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2	2107
17900	5/1/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	5/1/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	1/30/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	1/30/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		0.28	2107
17899	5/18/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	2107
17899	8/21/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2	2107
17899	6/12/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	6/12/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
12980	5/18/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		20	2107
17899	10/1/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2	2107
17899	5/14/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	10/1/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	12/11/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	12/11/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	5/14/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	2/27/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	9/24/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		15.1	2107
17899	6/15/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		1.07	2107
17898	3/25/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		19.2	2107
17898	6/15/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		4.81	2107
17898	4/8/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	4/8/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	8/26/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	9/24/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		27.8	2107
12980	3/25/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	2107
12980	6/15/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		1.07	2107
17899	3/25/2004	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	2107
17899	8/6/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	4/8/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	8/6/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	5/1/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17898	8/21/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2	2107
17900	9/24/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	1	2107
17900	10/8/2002	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	10	2107
17898	2/27/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17899	2/27/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107
17900	8/6/2003	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25	2107

17898	4/8/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	5/14/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	10/1/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	10/1/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	10/8/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	2107
17900	10/1/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	12/11/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17900	12/11/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	12/11/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	8/21/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	9.7	2107
17900	1/30/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	9/24/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	2107
17900	5/1/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	5/1/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17900	9/24/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	9.18	2107
17899	5/1/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	10/8/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	2107
17899	1/30/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	4/8/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	5/14/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17900	4/8/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	3/25/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		14.2	2107
17898	1/30/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		0.253	2107
17898	3/25/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		5.4	2107
12980	3/25/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		28.8	2107
17900	8/21/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	2	2107
17900	5/14/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17900	10/8/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	5	2107
17898	9/24/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		17.5	2107
17898	6/12/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	6/15/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1	2107
17900	2/27/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	2/27/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17900	8/6/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
12980	5/18/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		4.8	2107
17900	6/12/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	6/15/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		1.55	2107
17899	6/12/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	5/18/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		10.4	2107
17899	8/6/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17898	8/6/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
12980	6/15/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		1.06	2107
17898	2/27/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	8/26/2003	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25	2107
17899	5/18/2004	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		2.2	2107
17899	8/21/2002	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	2	2107
17899	4/8/2003	72052	STREAMBED SLOPE (FT/FT)		0.0022	2107
17900	8/20/2002	72052	STREAMBED SLOPE (FT/FT)		0.0025	2107
17899	8/21/2002	72052	STREAMBED SLOPE (FT/FT)		0.0022	2107
17898	8/19/2002	72052	STREAMBED SLOPE (FT/FT)		0.0012	2107
17899	9/24/2003	72052	STREAMBED SLOPE (FT/FT)		0.0022	2107
17898	9/25/2003	72052	STREAMBED SLOPE (FT/FT)		0.0012	2107
17900	9/24/2003	72052	STREAMBED SLOPE (FT/FT)		0.0025	2107
17898	4/7/2003	72052	STREAMBED SLOPE (FT/FT)		0.0012	2107
17900	4/8/2003	72052	STREAMBED SLOPE (FT/FT)		0.0025	2107
17899	6/15/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	2	2107
17899	4/8/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17898	3/25/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	2107
17899	5/1/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17899	6/12/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		5	2107
17899	3/25/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	2107
17898	6/12/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		5	2107
17899	12/11/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		2	2107
17898	5/1/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17900	5/14/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	31	2107
17898	4/8/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107

17898	5/14/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	31	2107
17898	10/8/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	2107
17899	2/27/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	3	2107
12980	6/15/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	2	2107
17900	5/1/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17899	10/8/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	2107
17899	5/14/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	31	2107
17900	6/12/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		5	2107
17898	9/24/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	2	2107
17900	12/11/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		2	2107
17900	8/6/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
12980	3/25/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7	2107
17898	12/11/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		2	2107
17898	5/18/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	10	2107
12980	5/18/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	10	2107
17898	6/15/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	2	2107
17900	9/24/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	2	2107
17898	2/27/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	3	2107
17899	9/24/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	2	2107
17899	8/6/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17900	4/8/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17900	10/8/2002	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1	2107
17900	2/27/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	3	2107
17899	5/18/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	10	2107
17899	1/30/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	5	2107
17898	8/6/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14	2107
17898	1/30/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	5	2107
17899	1/30/2003	74069	STREAM FLOW ESTIMATE (CFS)		5	2107
17900	6/12/2003	74069	STREAM FLOW ESTIMATE (CFS)		2.5	2107
17898	1/30/2003	74069	STREAM FLOW ESTIMATE (CFS)		4	2107
17900	12/11/2002	74069	STREAM FLOW ESTIMATE (CFS)		50	2107
17899	5/14/2003	74069	STREAM FLOW ESTIMATE (CFS)		4	2107
17900	8/6/2003	74069	STREAM FLOW ESTIMATE (CFS)		1.102	2107
17899	6/15/2004	74069	STREAM FLOW ESTIMATE (CFS)		20	2107
17900	4/8/2003	74069	STREAM FLOW ESTIMATE (CFS)		1.6	2107
17898	6/12/2003	74069	STREAM FLOW ESTIMATE (CFS)		1	2107
17900	2/27/2003	74069	STREAM FLOW ESTIMATE (CFS)		10	2107
17899	12/11/2002	74069	STREAM FLOW ESTIMATE (CFS)		65	2107
17899	2/27/2003	74069	STREAM FLOW ESTIMATE (CFS)		11	2107
17899	6/12/2003	74069	STREAM FLOW ESTIMATE (CFS)		3	2107
17899	4/8/2003	74069	STREAM FLOW ESTIMATE (CFS)		1.5	2107
17898	9/25/2003	834	BENTHIC SCRAPERS (% OF COMMUNITY)		18.1	2107
17899	9/24/2003	834	BENTHIC SCRAPERS (% OF COMMUNITY)		20.7	2107
17900	9/24/2003	834	BENTHIC SCRAPERS (% OF COMMUNITY)		22.4	2107
17898	9/25/2003	836	NUMBER OF IN STREAM COVER TYPES		6	2107
17899	9/24/2003	836	NUMBER OF IN STREAM COVER TYPES		6	2107
17900	9/24/2003	836	NUMBER OF IN STREAM COVER TYPES		6	2107
17898	9/25/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		21	2107
17898	8/19/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		27	2107
17899	9/24/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		20	2107
17899	8/21/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		8.6	2107
17899	4/8/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		12.8	2107
17900	4/8/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		6	2107
17900	8/20/2002	84159	AVERAGE PERCENTAGE INSTREAM COVER		15	2107
17900	9/24/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		29	2107
17898	4/7/2003	84159	AVERAGE PERCENTAGE INSTREAM COVER		16	2107
17898	4/7/2003	84161	STREAM ORDER		5	2107
17900	4/8/2003	84161	STREAM ORDER		5	2107
17900	9/24/2003	84161	STREAM ORDER		5	2107
17899	9/24/2003	84161	STREAM ORDER		5	2107
17898	9/25/2003	84161	STREAM ORDER		5	2107
17898	8/19/2002	84161	STREAM ORDER		5	2107
17899	8/21/2002	84161	STREAM ORDER		5	2107
17900	8/20/2002	84161	STREAM ORDER		5	2107
17899	4/8/2003	84161	STREAM ORDER		5	2107
17900	9/24/2003	89832	NUMBER OF LATERAL TRANSECTS MADE		5	2107

17900	4/8/2003	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17899	8/21/2002	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17898	4/7/2003	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17899	4/8/2003	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17900	8/20/2002	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17899	9/24/2003	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17898	8/19/2002	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17898	9/25/2003	89832	NUMBER OF LATERAL TRANSECTS MADE	5	2107
17898	12/11/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	5/14/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	6/15/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17900	5/14/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17900	5/1/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	5/1/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	5/1/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	4/8/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	5/18/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	1	2107
17899	5/18/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
12980	5/18/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	1	2107
17898	2/27/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
12980	6/15/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	1	2107
17900	8/21/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	3/25/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	8/6/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	10/1/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	9/24/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	3/25/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17900	10/1/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	10/1/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
12980	3/25/2004	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	8/21/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	9/24/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	8/21/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17900	9/24/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	8/6/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	10/8/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17900	10/8/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17899	10/8/2002	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2	2107
17898	8/19/2002	89839	TOTAL NUMBER OF STREAM BENDS	3	2107
17898	4/7/2003	89839	TOTAL NUMBER OF STREAM BENDS	3	2107
17899	9/24/2003	89839	TOTAL NUMBER OF STREAM BENDS	1	2107
17898	9/25/2003	89839	TOTAL NUMBER OF STREAM BENDS	1	2107
17899	4/8/2003	89839	TOTAL NUMBER OF STREAM BENDS	0	2107
17900	4/8/2003	89839	TOTAL NUMBER OF STREAM BENDS	2	2107
17900	9/24/2003	89839	TOTAL NUMBER OF STREAM BENDS	1	2107
17899	8/21/2002	89839	TOTAL NUMBER OF STREAM BENDS	1	2107
17900	8/20/2002	89839	TOTAL NUMBER OF STREAM BENDS	4	2107
17900	8/20/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS	1	2107
17900	9/24/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17898	4/7/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17900	4/8/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17898	9/25/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17899	9/24/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17898	8/19/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17899	8/21/2002	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17899	4/8/2003	89840	NUMBER OF WELL DEFINED STREAM BENDS	0	2107
17900	9/24/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	1	2107
17898	9/25/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17899	9/24/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17898	8/19/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17899	4/8/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17899	8/21/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17900	4/8/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17898	4/7/2003	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0	2107
17900	8/20/2002	89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	2	2107
17900	9/24/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS	0	2107

17898	8/19/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS	3	2107
17898	9/25/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS	1	2107
17899	4/8/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS	0	2107
17898	4/7/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS	3	2107
17900	8/20/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS	1	2107
17899	9/24/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS	1	2107
17900	4/8/2003	89842	NUMBER OF POORLY DEFINED STREAM BENDS	2	2107
17899	8/21/2002	89842	NUMBER OF POORLY DEFINED STREAM BENDS	1	2107
17900	9/24/2003	89843	TOTAL NUMBER OF RIFFLES	0	2107
17900	4/8/2003	89843	TOTAL NUMBER OF RIFFLES	0	2107
17899	9/24/2003	89843	TOTAL NUMBER OF RIFFLES	1	2107
17899	4/8/2003	89843	TOTAL NUMBER OF RIFFLES	0	2107
17898	8/19/2002	89843	TOTAL NUMBER OF RIFFLES	6	2107
17898	9/25/2003	89843	TOTAL NUMBER OF RIFFLES	2	2107
17898	4/7/2003	89843	TOTAL NUMBER OF RIFFLES	2	2107
17899	8/21/2002	89843	TOTAL NUMBER OF RIFFLES	1	2107
17900	8/20/2002	89843	TOTAL NUMBER OF RIFFLES	3	2107
17898	4/7/2003	89844	DOMINANT SUBSTRATE TYPE	2	2107
17900	4/8/2003	89844	DOMINANT SUBSTRATE TYPE	3	2107
17900	8/20/2002	89844	DOMINANT SUBSTRATE TYPE	3	2107
17899	4/8/2003	89844	DOMINANT SUBSTRATE TYPE	2	2107
17900	9/24/2003	89844	DOMINANT SUBSTRATE TYPE	3	2107
17898	9/25/2003	89844	DOMINANT SUBSTRATE TYPE	2	2107
17899	8/21/2002	89844	DOMINANT SUBSTRATE TYPE	3	2107
17898	8/19/2002	89844	DOMINANT SUBSTRATE TYPE	4	2107
17899	9/24/2003	89844	DOMINANT SUBSTRATE TYPE	3	2107
17899	4/8/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	2	2107
17898	4/7/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	31	2107
17900	8/20/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	13	2107
17899	8/21/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	0	2107
17900	9/24/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	2	2107
17899	9/24/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	0	2107
17900	4/8/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	6	2107
17898	8/19/2002	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	44	2107
17898	9/25/2003	89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	32	2107
17900	8/20/2002	89846	AVERAGE STREAM BANK EROSION (%)	70	2107
17899	8/21/2002	89846	AVERAGE STREAM BANK EROSION (%)	36	2107
17898	4/7/2003	89846	AVERAGE STREAM BANK EROSION (%)	82	2107
17898	8/19/2002	89846	AVERAGE STREAM BANK EROSION (%)	37	2107
17898	9/25/2003	89846	AVERAGE STREAM BANK EROSION (%)	90	2107
17900	4/8/2003	89846	AVERAGE STREAM BANK EROSION (%)	89	2107
17899	9/24/2003	89846	AVERAGE STREAM BANK EROSION (%)	87	2107
17900	9/24/2003	89846	AVERAGE STREAM BANK EROSION (%)	90	2107
17899	4/8/2003	89846	AVERAGE STREAM BANK EROSION (%)	89	2107
17898	8/19/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	42	2107
17900	8/20/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	77	2107
17899	8/21/2002	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	53	2107
17899	4/8/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	62	2107
17900	9/24/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	77.8	2107
17899	9/24/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	56	2107
17898	4/7/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	40	2107
17898	9/25/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	38.5	2107
17900	4/8/2003	89847	AVERAGE STREAM BANK SLOPE (DEGREES)	88	2107
17900	8/20/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	4	2107
17900	9/24/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	12	2107
17898	8/19/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	1.5	2107
17899	8/21/2002	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	10	2107
17898	9/25/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	0	2107
17899	9/24/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	6	2107
17898	4/7/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	1	2107
17900	4/8/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	18	2107
17899	4/8/2003	89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	13	2107
17900	4/8/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	1	2107
17900	9/24/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	7	2107
17898	4/7/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	0	2107
17898	8/19/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	3	2107

17898	9/25/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	0	2107
17899	4/8/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	0	2107
17899	9/24/2003	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	0	2107
17899	8/21/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	3	2107
17900	8/20/2002	89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	4	2107
17898	4/7/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	94	2107
17900	9/24/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	28	2107
17898	9/25/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	80	2107
17898	8/19/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	29.5	2107
17899	4/8/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	73	2107
17900	4/8/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	58	2107
17899	8/21/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	4	2107
17900	8/20/2002	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	5	2107
17899	9/24/2003	89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	19	2107
17898	9/25/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	20	2107
17899	8/21/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	83	2107
17900	8/20/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	87	2107
17899	9/24/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	9	2107
17900	4/8/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	23	2107
17899	4/8/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	14	2107
17900	9/24/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	53	2107
17898	8/19/2002	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	66	2107
17898	4/7/2003	89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	5	2107
17899	9/24/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	82	2107
17898	4/7/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	0	2107
17900	8/20/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	88	2107
17898	9/25/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	0	2107
17899	8/21/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	83	2107
17900	4/8/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	84	2107
17898	8/19/2002	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	5	2107
17899	4/8/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	100	2107
17900	9/24/2003	89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	93.5	2107
17899	9/25/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.37	2107
12980	5/18/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.54	2107
17898	12/12/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.6	2107
17898	3/26/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.07	2107
12980	6/15/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.88	2107
17899	10/1/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.38	2107
17898	10/1/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.78	2107
17899	3/26/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.54	2107
17898	5/18/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.67	2107
17900	10/1/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.48	2107
17899	5/2/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.55	2107
17899	10/8/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.12	2107
17898	10/8/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.4	2107
17899	12/12/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.02	2107
17899	5/18/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.49	2107
17900	6/12/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.16	2107
17899	6/15/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.16	2107
17899	6/12/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	3.98	2107
17900	5/14/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.01	2107
17899	5/14/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.73	2107
17899	2/27/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.34	2107
12980	3/26/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.06	2107
17898	8/6/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	1.66	2107
17898	6/15/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.91	2107
17898	5/14/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.6	2107
17900	8/6/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.64	2107
17898	6/12/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.98	2107
17898	2/27/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.45	2107
17899	4/8/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.67	2107
17898	4/8/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.93	2107
17899	8/21/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.58	2107
17900	9/25/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.66	2107
17900	8/21/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.45	2107
17898	5/2/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6	2107



17900	4/8/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.12	2107
17898	8/21/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.73	2107
17900	2/27/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.95	2107
17900	10/8/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.11	2107
17898	9/25/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.75	2107
17899	5/18/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	4.88	2107
17898	12/12/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.27	2107
17898	9/25/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.27	2107
17898	6/12/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	11.79	2107
17899	4/8/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.06	2107
17900	6/12/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	4.44	2107
17899	2/27/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.99	2107
17900	10/8/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	4.46	2107
17899	6/15/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.42	2107
17899	5/14/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.77	2107
17899	6/12/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	4.55	2107
17898	8/6/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.09	2107
17900	5/14/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.4	2107
12980	3/26/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.74	2107
17900	8/6/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6	2107
17898	5/14/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.05	2107
17900	4/8/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.3	2107
17898	6/15/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.73	2107
17898	8/21/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.87	2107
17899	8/21/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.11	2107
17898	10/8/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.04	2107
17898	10/1/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	12.65	2107
17899	9/25/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.17	2107
17898	2/27/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.78	2107
17900	8/21/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.49	2107
12980	5/18/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.03	2107
17900	2/27/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.56	2107
17899	3/26/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.36	2107
17898	5/2/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.23	2107
17899	10/8/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	4.66	2107
17899	5/2/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.03	2107
17899	10/1/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.87	2107
17898	3/26/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.92	2107
17899	12/12/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	10.69	2107
17900	9/25/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.01	2107
17900	10/1/2002	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	5.79	2107
17898	4/8/2003	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	10.19	2107
12980	6/15/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.29	2107
17898	5/18/2004	89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.43	2107
17900	10/8/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.23	2107
17899	10/8/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.36	2107
17898	10/8/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.06	2107
17900	2/27/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.12	2107
17898	2/27/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.61	2107
17898	8/21/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.68	2107
17898	10/1/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.29	2107
17899	10/1/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.61	2107
17899	12/12/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.51	2107
17899	2/27/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.58	2107
17900	10/1/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.57	2107
17898	12/12/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.94	2107
17900	8/21/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.86	2107
17899	8/21/2002	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.39	2107
17899	9/25/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.58	2107
12980	3/26/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.33	2107
17899	3/26/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.97	2107
17898	3/26/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.86	2107
17900	5/14/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.12	2107
17900	4/8/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.57	2107
17899	4/8/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.82	2107
17898	4/8/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.37	2107

17898	8/6/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	3.55	2107
17900	8/6/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.13	2107
17900	9/25/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.82	2107
17898	5/2/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.47	2107
17898	9/25/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.82	2107
17899	5/2/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.75	2107
17898	6/12/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.17	2107
17898	5/18/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.7	2107
12980	5/18/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.68	2107
17898	5/14/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.6	2107
17899	6/12/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.18	2107
17899	6/15/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.31	2107
12980	6/15/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.13	2107
17899	5/18/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.71	2107
17899	5/14/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.1	2107
17900	6/12/2003	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	4.3	2107
17898	6/15/2004	89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.2	2107
17899	3/26/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	5/14/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	9/25/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	5/14/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
12980	3/26/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17900	8/21/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	8/21/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	10/8/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	92	2107
17900	5/14/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17900	8/6/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	10/1/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	10/1/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	94	2107
17899	6/12/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	97	2107
17900	10/1/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	95	2107
17898	8/6/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17900	10/8/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	91	2107
17898	3/26/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17900	6/12/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	97	2107
17900	9/25/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	6/12/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	97	2107
17898	9/25/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	8/21/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
12980	6/15/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	5/2/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	12/12/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	5/18/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	5/18/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	12/12/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
12980	5/18/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	4/8/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17900	2/27/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17900	4/8/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	6/15/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	5/2/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	6/15/2004	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	2/27/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	10/8/2002	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	91	2107
17898	2/27/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17898	4/8/2003	89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96	2107
17899	4/8/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	1253	2107
17900	4/8/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	1173	2107
17898	8/19/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	861.3	2107
17900	9/24/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	1173	2107
17899	9/24/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	1253	2107
17899	8/21/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	1252.7	2107
17898	9/25/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	861	2107
17900	8/20/2002	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	1172.6	2107
17898	4/7/2003	89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	861	2107
17900	9/24/2003	89860	LENGTH OF STREAM EVALUATED (KM)	0.244	2107

17899	9/24/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.272	2107
17898	8/19/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.26	2107
17900	8/20/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.244	2107
17898	9/25/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.26	2107
17900	4/8/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.244	2107
17899	4/8/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.272	2107
17898	4/7/2003	89860	LENGTH OF STREAM EVALUATED (KM)		0.26	2107
17899	8/21/2002	89860	LENGTH OF STREAM EVALUATED (KM)		0.272	2107
17898	9/25/2003	89861	AVERAGE STREAM WIDTH (METERS)		6.02	2107
17898	4/7/2003	89861	AVERAGE STREAM WIDTH (METERS)		5.73	2107
17900	4/8/2003	89861	AVERAGE STREAM WIDTH (METERS)		5.42	2107
17899	9/24/2003	89861	AVERAGE STREAM WIDTH (METERS)		8.42	2107
17899	8/21/2002	89861	AVERAGE STREAM WIDTH (METERS)		5.78	2107
17898	8/19/2002	89861	AVERAGE STREAM WIDTH (METERS)		8.8	2107
17899	4/8/2003	89861	AVERAGE STREAM WIDTH (METERS)		5.32	2107
17900	9/24/2003	89861	AVERAGE STREAM WIDTH (METERS)		6.2	2107
17900	8/20/2002	89861	AVERAGE STREAM WIDTH (METERS)		5.32	2107
17898	9/25/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.279	2107
17900	9/24/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.23	2107
17900	8/20/2002	89862	AVERAGE STREAM DEPTH (METERS)		0.45	2107
17899	4/8/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.55	2107
17899	9/24/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.51	2107
17900	4/8/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.35	2107
17898	8/19/2002	89862	AVERAGE STREAM DEPTH (METERS)		0.23	2107
17899	8/21/2002	89862	AVERAGE STREAM DEPTH (METERS)		0.49	2107
17898	4/7/2003	89862	AVERAGE STREAM DEPTH (METERS)		0.18	2107
17898	9/25/2003	89864	MAXIMUM POOL WIDTH (METERS)		16	2107
17898	8/19/2002	89864	MAXIMUM POOL WIDTH (METERS)		11	2107
17898	4/7/2003	89864	MAXIMUM POOL WIDTH (METERS)		18	2107
17900	4/8/2003	89864	MAXIMUM POOL WIDTH (METERS)		6	2107
17900	9/24/2003	89864	MAXIMUM POOL WIDTH (METERS)		8	2107
17899	9/24/2003	89864	MAXIMUM POOL WIDTH (METERS)		8	2107
17899	8/21/2002	89864	MAXIMUM POOL WIDTH (METERS)		8	2107
17900	8/20/2002	89864	MAXIMUM POOL WIDTH (METERS)		6	2107
17899	4/8/2003	89864	MAXIMUM POOL WIDTH (METERS)		6	2107
17899	8/21/2002	89865	MAXIMUM POOL DEPTH (METERS)	>	1	2107
17898	8/19/2002	89865	MAXIMUM POOL DEPTH (METERS)	<	0.5	2107
17900	4/8/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	0.5	2107
17899	4/8/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	1	2107
17898	9/25/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	0.5	2107
17899	9/24/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	1	2107
17898	4/7/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	0.5	2107
17900	9/24/2003	89865	MAXIMUM POOL DEPTH (METERS)	>	0.5	2107
17900	9/24/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	2107
17899	8/21/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	2107
17900	4/8/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	2107
17898	9/25/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		0	2107
17899	4/8/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	2107
17898	4/7/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		2	2107
17899	9/24/2003	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		5	2107
17900	8/20/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	2107
17898	8/19/2002	89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	2107
17899	9/24/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	2107
17900	9/24/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	2107
17898	9/25/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	2107
17899	4/8/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	2107
17900	4/8/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	2107
17898	4/7/2003	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	2107
17900	8/20/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	2107
17899	8/21/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	2107
17898	8/19/2002	89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		4	2107
17900	4/8/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	2107
17900	9/24/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	2107
17898	9/25/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	2107
17898	4/7/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	2107
17899	9/24/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	2107

17899	4/8/2003	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	2107
17898	8/19/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	2107
17899	8/21/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	2107
17900	8/20/2002	89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	2107
17898	9/25/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	2107
17898	4/7/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		3	2107
17899	9/24/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	2107
17899	4/8/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		45	2107
17900	9/24/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		15	2107
17900	4/8/2003	89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		45	2107
17898	9/25/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		107	2107
17898	4/7/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		117	2107
17899	4/8/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		106	2107
17900	4/8/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		109	2107
17900	9/24/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		108	2107
17900	8/20/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		103	2107
17899	8/21/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		33	2107
17898	8/19/2002	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		110	2107
17899	9/24/2003	89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		111	2107
17898	9/25/2003	89941	NET LENGTH (METERS)		5.49	2107
17899	9/24/2003	89941	NET LENGTH (METERS)		5.49	2107
17898	4/7/2003	89941	NET LENGTH (METERS)		5.49	2107
17900	9/24/2003	89941	NET LENGTH (METERS)		5.49	2107
17899	4/8/2003	89941	NET LENGTH (METERS)		5.49	2107
17900	8/20/2002	89941	NET LENGTH (METERS)		5.49	2107
17899	8/21/2002	89941	NET LENGTH (METERS)		5.49	2107
17898	8/19/2002	89941	NET LENGTH (METERS)		5.49	2107
17900	4/8/2003	89941	NET LENGTH (METERS)		5.49	2107
17898	4/7/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17899	4/8/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17899	9/24/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17900	9/24/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17898	8/19/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17899	8/21/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17900	8/20/2002	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17898	9/25/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17900	4/8/2003	89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEARGE		2	2107
17900	9/24/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)		900	2107
17900	4/8/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	2107
17900	8/20/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	2107
17898	4/7/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	2107
17898	9/25/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)		900	2107
17899	8/21/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	2107
17899	4/8/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	2107
17898	8/19/2002	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	2107
17899	9/24/2003	89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)		900	2107
17899	9/24/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17899	4/8/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17898	4/7/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17900	9/24/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17898	9/25/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17898	8/19/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17899	8/21/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17900	8/20/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17900	4/8/2003	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	2107
17900	4/8/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17898	4/7/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17899	4/8/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17898	9/25/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17899	9/24/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17900	8/20/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17899	8/21/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17898	8/19/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17900	9/24/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	2107
17899	4/8/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	2107
17899	9/24/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	2107

17900	4/8/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17900	9/24/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17898	9/25/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17899	8/21/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17898	4/7/2003	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17898	8/19/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17900	8/20/2002	89950	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3	2107
17898	4/7/2003	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17900	8/20/2002	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17900	4/8/2003	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17899	4/8/2003	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17898	8/19/2002	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17899	9/24/2003	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17899	8/21/2002	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17900	9/24/2003	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17898	9/25/2003	89961	ECOREGION (TEXAS ECOREGION CODE)	33	2107
17898	4/7/2003	89976	AREA SEINED (SQ METERS)	330	2107
17899	9/24/2003	89976	AREA SEINED (SQ METERS)	330	2107
17900	4/8/2003	89976	AREA SEINED (SQ METERS)	330	2107
17899	4/8/2003	89976	AREA SEINED (SQ METERS)	330	2107
17900	8/20/2002	89976	AREA SEINED (SQ METERS)	330	2107
17898	8/19/2002	89976	AREA SEINED (SQ METERS)	330	2107
17900	9/24/2003	89976	AREA SEINED (SQ METERS)	330	2107
17898	9/25/2003	89976	AREA SEINED (SQ METERS)	330	2107
17899	8/21/2002	89976	AREA SEINED (SQ METERS)	330	2107
17898	4/7/2003	90007	HILSENHOFF BIOTIC INDEX	5.96	2107
17898	9/25/2003	90007	HILSENHOFF BIOTIC INDEX	4.9	2107
17900	8/20/2002	90007	HILSENHOFF BIOTIC INDEX	4.13	2107
17898	8/19/2002	90007	HILSENHOFF BIOTIC INDEX	6.03	2107
17899	4/8/2003	90007	HILSENHOFF BIOTIC INDEX	6.19	2107
17899	9/24/2003	90007	HILSENHOFF BIOTIC INDEX	3.98	2107
17900	9/24/2003	90007	HILSENHOFF BIOTIC INDEX	3.05	2107
17900	4/8/2003	90007	HILSENHOFF BIOTIC INDEX	4.79	2107
17899	8/21/2002	90007	HILSENHOFF BIOTIC INDEX	4.43	2107
17899	4/8/2003	90008	EPT INDEX	2	2107
17900	8/20/2002	90008	EPT INDEX	6	2107
17899	8/21/2002	90008	EPT INDEX	2	2107
17899	9/24/2003	90008	EPT INDEX	6	2107
17898	9/25/2003	90008	EPT INDEX	3	2107
17898	8/19/2002	90008	EPT INDEX	2	2107
17898	4/7/2003	90008	EPT INDEX	1	2107
17900	4/8/2003	90008	EPT INDEX	4	2107
17900	9/24/2003	90008	EPT INDEX	6	2107
17898	9/25/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5	2107
17899	4/8/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5	2107
17900	9/24/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4	2107
17900	8/20/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5	2107
17899	8/21/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5	2107
17898	8/19/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5	2107
17899	9/24/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4	2107
17898	4/7/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5	2107
17900	4/8/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4	2107
17899	8/21/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	32	2107
17899	9/24/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	42.3	2107
17900	4/8/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	47.1	2107
17900	8/20/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	37	2107
17899	4/8/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	52.8	2107
17900	9/24/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	42.4	2107
17898	8/19/2002	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	37	2107
17898	9/25/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	35.2	2107
17898	4/7/2003	90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	58.1	2107
17898	8/19/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)	33	2107
17898	9/25/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)	35.2	2107
17900	4/8/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)	16.4	2107
17900	9/24/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)	30.2	2107
17899	9/24/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)	42.3	2107

17899	8/21/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)		21	2107
17898	4/7/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)		13.7	2107
17899	4/8/2003	90025	BENTHIC GATHERERS (% OF COMMUNITY)		7.55	2107
17900	8/20/2002	90025	BENTHIC GATHERERS (% OF COMMUNITY)		37	2107
17899	8/21/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		29	2107
17900	9/24/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		5	2107
17898	9/25/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		22.7	2107
17900	8/20/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		12	2107
17898	8/19/2002	90030	BENTHIC FILTERERS (% OF COMMUNITY)		24	2107
17899	9/24/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		10.8	2107
17900	4/8/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		47.1	2107
17898	4/7/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		58.1	2107
17899	4/8/2003	90030	BENTHIC FILTERERS (% OF COMMUNITY)		24.5	2107
17899	4/8/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		2.4	2107
17898	9/25/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		1.2	2107
17900	4/8/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		0	2107
17898	8/19/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)	<	1	2107
17900	8/20/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		1	2107
17899	8/21/2002	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		5	2107
17898	4/7/2003	90035	BENTHIC SHREDDERS (% OF COMMUNITY)		4.3	2107
17899	4/8/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		52.8	2107
17898	4/7/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		12.8	2107
17898	9/25/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		22.7	2107
17900	9/24/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		42.4	2107
17899	8/21/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		32	2107
17898	8/19/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		37	2107
17900	4/8/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		20.5	2107
17900	8/20/2002	90036	BENTHIC PREDATORS (% OF COMMUNITY)		26	2107
17899	9/24/2003	90036	BENTHIC PREDATORS (% OF COMMUNITY)		26.1	2107
17899	8/21/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		24.4	2107
17899	4/8/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		48.1	2107
17900	9/24/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		20.4	2107
17900	8/20/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		32.04	2107
17898	9/25/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		33.6	2107
17900	4/8/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		34.9	2107
17898	8/19/2002	90042	PERCENT DOMINANT TAXON, BENTHOS		60	2107
17898	4/7/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		26.5	2107
17899	9/24/2003	90042	PERCENT DOMINANT TAXON, BENTHOS		21.6	2107
17900	4/8/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.97	2107
17900	9/24/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		7.09	2107
17899	8/21/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		2.81	2107
17898	8/19/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.24	2107
17898	9/25/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		1.3	2107
17899	9/24/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		3.78	2107
17900	8/20/2002	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		2.81	2107
17898	4/7/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.33	2107
17899	4/8/2003	90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS		0.07	2107
17899	8/21/2002	90052	NUMBER OF NON-INSECT TAXA		1	2107
17900	4/8/2003	90052	NUMBER OF NON-INSECT TAXA		1	2107
17900	8/20/2002	90052	NUMBER OF NON-INSECT TAXA		3	2107
17899	9/24/2003	90052	NUMBER OF NON-INSECT TAXA		1	2107
17899	4/8/2003	90052	NUMBER OF NON-INSECT TAXA		4	2107
17898	8/19/2002	90052	NUMBER OF NON-INSECT TAXA		4	2107
17898	4/7/2003	90052	NUMBER OF NON-INSECT TAXA		4	2107
17898	9/25/2003	90052	NUMBER OF NON-INSECT TAXA		2	2107
17900	9/24/2003	90052	NUMBER OF NON-INSECT TAXA		3	2107
17900	8/20/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		9.71	2107
17898	4/7/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0	2107
17898	9/25/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0.93	2107
17899	8/21/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		12.12	2107
17899	9/24/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		8.1	2107
17900	9/24/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0.93	2107
17900	4/8/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0	2107
17899	4/8/2003	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		3.77	2107
17898	8/19/2002	90054	PERCENT OF TOTAL NUMBER AS ELMIDAE		0	2107
17900	4/8/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		11	2107

17899	8/21/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		10	2107
17898	8/19/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		14	2107
17900	8/20/2002	90055	MACROINVERTEBRATE TAXA RICHNESS		17	2107
17898	4/7/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		10	2107
17899	9/24/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		15	2107
17900	9/24/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		20	2107
17898	9/25/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		12	2107
17899	4/8/2003	90055	MACROINVERTEBRATE TAXA RICHNESS		10	2107
17900	4/8/2003	92266	TRICHOPTERA		100	2107
17898	9/25/2003	92266	TRICHOPTERA		100	2107
17898	8/19/2002	92266	TRICHOPTERA		0	2107
17900	9/24/2003	92266	TRICHOPTERA		100	2107
17900	8/20/2002	92266	TRICHOPTERA		0	2107
17899	9/24/2003	92266	TRICHOPTERA		100	2107
17898	4/7/2003	92266	TRICHOPTERA		100	2107
17899	4/8/2003	92266	TRICHOPTERA			2107
17899	8/21/2002	92266	TRICHOPTERA		100	2107
17899	8/21/2002	92491	CHIRONOMIDAE		24.24	2107
17898	8/19/2002	92491	CHIRONOMIDAE		60	2107
17900	8/20/2002	92491	CHIRONOMIDAE		4.85	2107
17898	4/7/2003	92491	CHIRONOMIDAE		23.1	2107
17899	9/24/2003	92491	CHIRONOMIDAE		0	2107
17899	4/8/2003	92491	CHIRONOMIDAE		0	2107
17900	4/8/2003	92491	CHIRONOMIDAE		0.92	2107
17900	9/24/2003	92491	CHIRONOMIDAE		0.93	2107
17898	9/25/2003	92491	CHIRONOMIDAE		0.93	2107
17900	8/20/2002	98003	NUMBER OF SPECIES, FISH		12	2107
17899	9/24/2003	98003	NUMBER OF SPECIES, FISH		12	2107
17900	9/24/2003	98003	NUMBER OF SPECIES, FISH		12	2107
17898	9/25/2003	98003	NUMBER OF SPECIES, FISH		14	2107
17900	4/8/2003	98003	NUMBER OF SPECIES, FISH		12	2107
17899	4/8/2003	98003	NUMBER OF SPECIES, FISH		10	2107
17898	4/7/2003	98003	NUMBER OF SPECIES, FISH		18	2107
17898	8/19/2002	98003	NUMBER OF SPECIES, FISH		15	2107
17899	8/21/2002	98003	NUMBER OF SPECIES, FISH		16	2107
17899	4/8/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17898	9/25/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17899	8/21/2002	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17900	4/8/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17900	8/20/2002	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17898	4/7/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17900	9/24/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17898	8/19/2002	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17899	9/24/2003	98004	TOTAL NUMBER OF DARTER SPECIES		0	2107
17900	4/8/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		4	2107
17899	9/24/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		4	2107
17899	8/21/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		6	2107
17899	4/8/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		4	2107
17898	4/7/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		7	2107
17898	8/19/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		5	2107
17898	9/25/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		5	2107
17900	9/24/2003	98008	TOTAL NUMBER OF SUNFISH SPECIES		6	2107
17900	8/20/2002	98008	TOTAL NUMBER OF SUNFISH SPECIES		5	2107
17900	9/24/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17898	9/25/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17899	4/8/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17898	4/7/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		1	2107
17898	8/19/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17900	4/8/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17899	9/24/2003	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17899	8/21/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17900	8/20/2002	98009	TOTAL NUMBER OF SUCKER SPECIES		0	2107
17898	8/19/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		0	2107
17899	9/24/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		0	2107
17898	9/25/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		0	2107
17899	8/21/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH		0	2107

17900	8/20/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0	2107
17898	4/7/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0	2107
17900	9/24/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0	2107
17899	4/8/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0	2107
17900	4/8/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0	2107
17899	4/8/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	37	2107
17900	8/20/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	80	2107
17900	9/24/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	80.28	2107
17898	8/19/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	87	2107
17898	9/25/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	88.1	2107
17900	4/8/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	43	2107
17899	9/24/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	79.1	2107
17898	4/7/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	74	2107
17899	8/21/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	47	2107
17899	4/8/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	2	2107
17899	8/21/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	9	2107
17900	8/20/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	12	2107
17898	4/7/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	0.7	2107
17898	9/25/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	9	2107
17900	9/24/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	0	2107
17898	8/19/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	10	2107
17899	9/24/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	0.42	2107
17900	4/8/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	2	2107
17900	8/20/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	86	2107
17899	9/24/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	98.3	2107
17899	4/8/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	98	2107
17899	8/21/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	85	2107
17898	9/25/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	89.5	2107
17900	4/8/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	77	2107
17900	9/24/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	90	2107
17898	4/7/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	94	2107
17898	8/19/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	82	2107
17898	9/25/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	1.5	2107
17898	4/7/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	5	2107
17899	8/21/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	6	2107
17899	9/24/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	1.26	2107
17898	8/19/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	7	2107
17900	4/8/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	21	2107
17899	4/8/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	0	2107
17900	9/24/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	10	2107
17900	8/20/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	3	2107
17898	4/7/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	713	2107
17898	8/19/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	177	2107
17900	4/8/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	56	2107
17900	8/20/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	138	2107
17898	9/25/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	706	2107
17899	9/24/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	244	2107
17900	9/24/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	142	2107
17899	8/21/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	227	2107
17899	4/8/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	54	2107
17898	8/19/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17898	8/19/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17899	8/21/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17899	8/21/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17899	9/24/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17899	9/24/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17899	4/8/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17899	4/8/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17898	4/7/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17898	4/7/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17900	9/24/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17900	9/24/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17898	9/25/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0.14	2107
17898	9/25/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0.14	2107
17900	8/20/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107
17900	8/20/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0	2107



17900	4/8/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		2	2107
17900	4/8/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS		2	2107
17898	9/25/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17899	8/21/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17898	4/7/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17900	9/24/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17900	4/8/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17900	8/20/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		1.4	2107
17899	4/8/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17898	8/19/2002	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107
17899	9/24/2003	98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY		0	2107