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

This report describes water quality data collected on Lower Leon Creek (Segment 1906) during the period from August 2002 through July 2004. It has been prepared for the Texas Commission on Environmental Quality (TCEQ) by the Conrad Blucher Institute for Surveying and Science (CBI) at Texas A&M University-Corpus Christi under an inter-agency contract between the TCEQ and the Texas Engineering Experiment Station. Lower Leon Creek is a 32-mile freshwater stream in the San Antonio River Basin that extends from the confluence with the Medina River in Bexar County to a point 100 meters (110 yards) upstream of SH16 northwest of San Antonio in Bexar County. Lower Leon Creek was included on the 2000 State of Texas Clean Water Act 303(d) list as partially 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 as non-supporting for contact recreation due to elevated levels of bacteria in the stream.

Volume 1 presents the water quality data, including TCEQ water quality criteria, 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. Volume 2, prepared by project partner Ecological Communications Corporation (ECOMM 2004), describes the biological sampling and analyses conducted by ECOMM.

Water quality assessment has evolved since the 1999 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. Only one of the of 24-hour dissolved oxygen values (33 samples) had an average that was below the TCEQ criteria associated with a high aquatic life use. None of the 24-hour dissolved oxygen values (33 samples) were below the minimum TCEQ criteria associated with a high aquatic life use. Of the 29 e-coli samples collected on Lower Leon Creek, only 4 exceeded the TCEQ single sample exceedance of 394 cfu/100 mL. None of the three stations geometric mean exceeded the 126 exceedance established by TCEQ. Based upon the 24-hour dissolved oxygen and bacteriological data collected for this study, Lower Leon Creek was found to be meeting the high aquatic life use criteria as well as supporting contact recreation and will likely be removed from the 303(d) List of impaired water bodies during the 2006 305(b) assessment.

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INTRODUCTION

Lower Leon Creek (Segment 1906) is a 32-mile freshwater stream in the San Antonio River Basin that extends from the confluence with the Medina River in Bexar County to a point 100 meters (110 yards) upstream of SH16 northwest of San Antonio in Bexar County (Figure 1). The watershed includes the city of San Antonio. Major land use in this watershed ranges from evergreen forests in the upper watershed to high intensity urban, residential, and commercial land use within the city of San Antonio (Figure 2 and Table 1).

Lower Leon Creek was identified as impaired based on the high aquatic life use criteria and contact recreation standards in the 2000 Water Quality Inventory (also known as the Clean Water Act Section 305(b) report). 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. 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 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 three stations on Lower Leon Creek during August 2001 through August 2003 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 Lower Leon Creek. 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 (2004), describes the biological sampling and data analyses conducted by ECOMM on Lower Leon Creek.

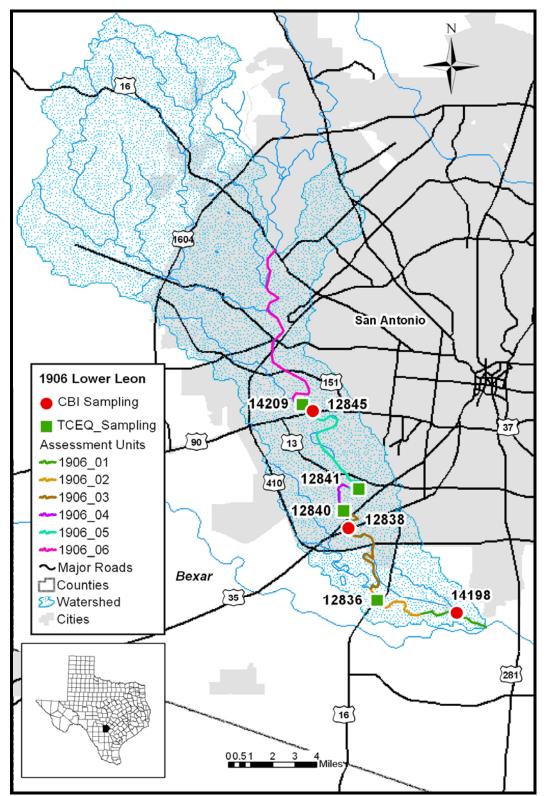


Figure 1. Map showing Sampling Station Locations on Lower Leon Creek.

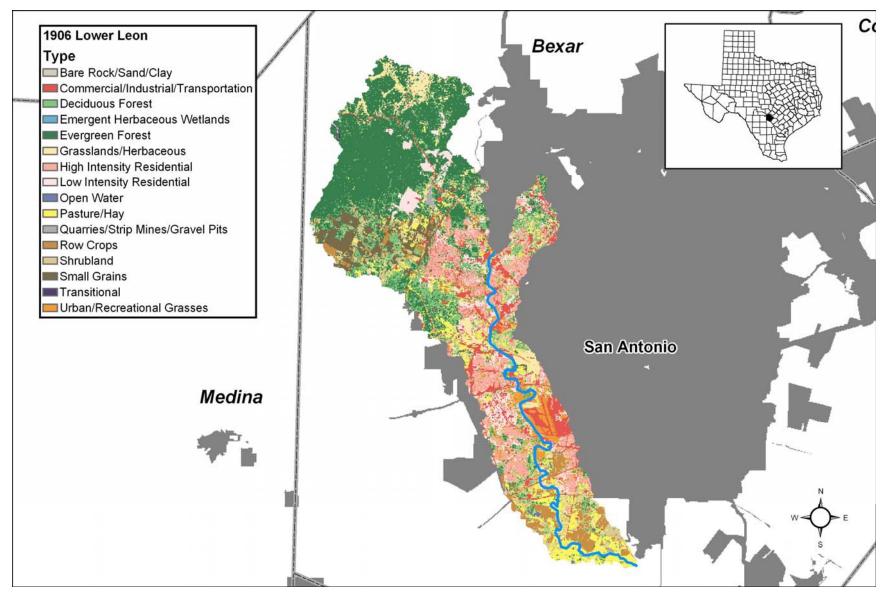


Figure 2. Land Use Map for Segment 1906 of the Leon Creek Watershed.

Table 1. Land use percentages for Lower Leon Creek

Percent	Туре
29	Evergreen Forest
11	Deciduous Forest
9	Shrub land
8	High Intensity Residential
8	Pasture/Hay
8	Commercial/Industrial/Transportation
8	Low Intensity Residential
5	Grasslands/Herbaceous
5	Small Grains
4	Urban/Recreational Grasses
4	Row Crops
< 1	Bare Rock/Sand/Clay
< 1	Open Water
< 1	Quarries/Strip Mines/Gravel Pits
< 1	Transitional
< 1	Emergent Herbaceous Wetlands

HISTORICAL REVIEW

The segment specific uses and criteria for Lower Leon Creek, as identified in the 2000 Texas Surface Water Quality Standards (TNRCC 2000), are as follows:

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

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

Table 2. Assessment Samples for Segment 1906 Lower Leon Creek for the 2000 Inventory (Developed from water quality data collected between June 1, 1994 and May 31, 1999)

Segment ID	Segment ID Year Uses or Criteria		Level of Support	Exceeded
1906	1999	Fecal Coliform	Not Supported	7

Table 3. Assessment Samples for Segment 1906 Lower Leon Creek for the 2002 Inventory (Developed from water quality data collected between March 1, 1996 and February 28, 2001)

Segment ID	Year	Uses or Criteria	Samples Taken	Exceeded
1906	2002	Dissolved Oxygen grab average	12	3
1906	2002	Dissolved Oxygen grab average	8	0
1906	2002	Dissolved Oxygen grab average	15	0
1906	2002	Dissolved Oxygen grab average	9	1
1906	2002	Dissolved Oxygen grab average	15	0
1906	2002	Dissolved Oxygen grab average	13	1
1906	2002	Dissolved Oxygen grab minimum	12	1
1906	2002	Dissolved Oxygen grab minimum	8	0
1906	2002	Dissolved Oxygen grab minimum	15	0
1906	2002	Dissolved Oxygen grab minimum	9	0
1906	2002	Dissolved Oxygen grab minimum	15	0
1906	2002	Dissolved Oxygen grab minimum	13	0
1906	2002	E. coli single sample	11	1
1906	2002	E. coli single sample	4	0
1906	2002	E. coli single sample	4	0
1906	2002	E. coli single sample	4	0

Table 4. All TCEQ Monitoring Stations on Segment 1906. Green shading indicates Stations used in impairment verification monitoring. Photos for these 3 stations are indicated in the third column.

Station	Station Descriptions	Photograph
14198	Leon Creek upstream from Leon Creek Waste Water Treatment Plant	Figure 3
12836	Leon Creek at SH 16, 4 miles west of Mitchell Lake	
12838	Leon Creek at IH 35 south of San Antonio	Figure 4
12840	Leon Creek at Quintana Road in San Antonio	
12841	Leon Creek at low water crossing at Ruiz Ranch 1.88 km downstream of loop 13 south of San Antonio	
12845	Leon Creek at Hwy 90 in San Antonio	Figure 5
14209	Leon Creek upstream of Rodriguez Park	



Figure 3. Station 14198; picture taken at this station shows Field Technician performing stream flow measurement.



Figure 4. Station 12838 looking upstream.



Figure 5. Station 12845 looking downstream

PROBLEM DEFINITION

TAMUK and CBI led an effort for the TCEQ to assess the water quality in Lower Leon Creek (Segment 1906). This segment was included on the 1999 and 2000 State of Texas Clean Water Act 303(d) lists as partially 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 Total Maximum Daily Load (TMDL) for the given constituent and the impairment, or 4) collect additional data. Figure 6 outlines this decision making procedure for aquatic life impairments in graphical form.

ASSESSMENT METHODOLOGY

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

- **Dissolved oxygen monitoring.** The 2000 Water Quality Inventory determined that aquatic life uses on Segment 1906 were impaired primarily based on instantaneous grab samples. This type of sample presents only a small snapshot of the existing water quality conditions. The 2002 Assessment Guidance (TNRCC 2002) specified that impairment determinations requiring restorative actions could only be made using 24-hour composite data, which gives a more accurate representation of the aquatic life uses for the stream. Data collection efforts. 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 5). Previous assessments considered data from the entire water body to be representative of ambient conditions.
- **Binomial Approach.** The 305(b) Water Quality Assessment has incorporated the binomial approach, a statistically-based method for the determination of impairment using varying exceedance percentages based upon the number of samples collected. The binomial approach results in a Type I statistical error that is significantly smaller than that of the previous approach of using a single percent exceedance.

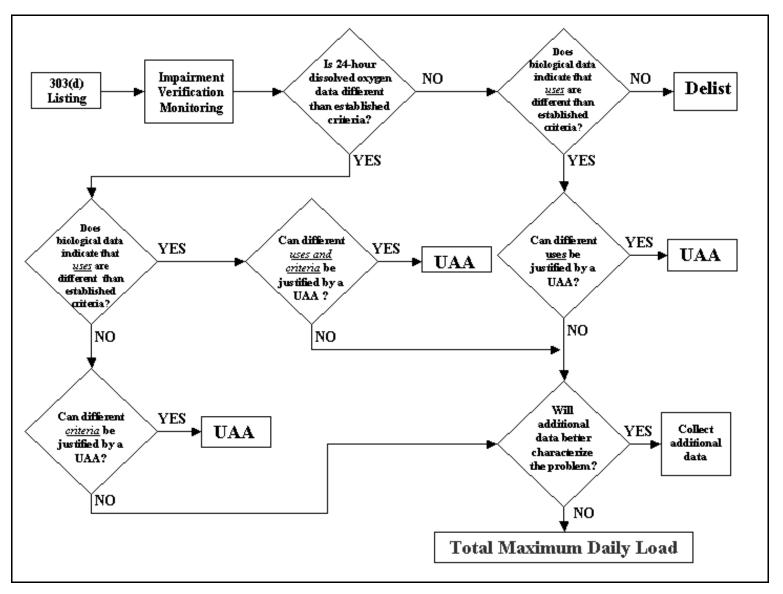


Figure 6 Conceptual Decision Framework

Table 5. Lower Leon Creek Aquatic Life Assessment Summary (NS=non-supporting, PS=partially supporting, FS=fully supporting)

Segment	Station ID	TMDL Station	TCEQ Station	Assessment Unit Number	Assessment Unit Description	Bacteria Support Status	Aquatic Life Support Status	24hr DO Avg Criteria	24hr DO Min Criteria
1906	14198	X	X	1906_01	Lower 3 miles of segment	NS	PS	5 mg/L	3 mg/L
1906	12836		X	1906_02	From 3 miles upstream lower end of segment to confluence with Indian Creek	FS	PS	5 mg/L	3 mg/L
1906	12838	X	X	1906_03	From confluence with Indian Creek to HWY 353	FS	PS	5 mg/L	3 mg/L
1906	12840		X	1906_04	From HWY 353 to two miles upstream	FS	PS	5 mg/L	3 mg/L
1906	12841		X	1906_05	From two miles upstream of HWY 353 to HWY 90	FS	PS	5 mg/L	3 mg/L
1906	12845	X			Remainder of	FS	PS	5 mg/L	3 mg/L
1906	14209		X	1906_06	segment	NS	PS	5 mg/L	3 mg/L

QAPP Development

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

Monitoring Plan Development

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

Data Requirements

Data collected on Lower Leon Creek met requirements for several different outcomes: de-listing of the segment, standards adjustment, or establishing a TMDL. The primary goal in data

collection was to ensure that enough data were collected over the critical sampling period to adequately assess, and, if necessary, re-classify the uses for Lower Leon Creek.

Station Selection

Several factors were considered when sampling stations (Table 2) 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 6. In-stream, multi-probe, data loggers measured dissolved oxygen, temperature, pH, and conductivity over a 24-hour period while flow and stream cross-sections were also measured to estimate loading of various chemical constituents. Samples were collected for laboratory analysis during each station visit. Analyses of these samples included routine TCEQ water monitoring constituents. All sampling procedures were included in the QAPP.

Biological Sample Collection

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

Table 6. 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
pН	pH. units	Multi parameter probe	EPA 150.1and TCEQ SOP	00400	NA	10	NA	NA	Field
DO	mg/L	Multi parameter probe	EPA 360.1and TCEQ SOP	00300	NA	10	NA	NA	Field
DO 24-hr min.	mg/L	Multi parameter probe	EPA 360.1and TCEQ SOP	89855	NA	10	NA	NA	Field
DO 24-hr max.	mg/L	Multi parameter probe	EPA 360.1and TCEQ SOP	89856	NA	10	NA	NA	Field
DO 24-hr avg.	mg/L	Multi parameter probe	EPA 360.1and TCEQ SOP	89857	NA	10	NA	NA	Field
DO number of meas.	mg/L	Multi parameter probe	EPA 360.1and TCEQ SOP	89858	NA	10	NA	NA	Field
Conductivity	uS/cm	Multi parameter probe	EPA 120.1and TCEQ SOP	00094	NA	10	NA	NA	Field
Temperature	°Celsius	Multi parameter probe	EPA 170.1and TCEQ SOP	00010	NA	10	NA	NA	Field
Secchi Depth	meters	Secchi disc	TCEQ SOP	00078	NA	20	NA	NA	Field
Days since last significant rainfall	days		TCEQ SOP	72053	NA	NA	NA	NA	Field
Flow	cfs		TCEQ SOP and ADCP	00061	NA	NA	NA	NA	Field
Flow Severity	1-no flow, 2-low,		TCEQ SOP	01351	NA	NA	NA	NA	Field

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

Three Assessment Units (AU) were identified for impairment verification in this study. The 24-hour, dissolved-oxygen average values (Table 7) collected during this project for the three AUs were plotted against time with the TCEQ standard of 5 mg/L for high aquatic life use as benchmark (Figures 7, 8, and 9). Only one out of the 33 samples had average dissolved oxygen values below 5 mg/L. Similarly, the 24-hour minimum values for the 33 samples (Table 8) were well above the TCEQ standard of 3 mg/L (Figures 10, 11, and 12). E-coli values for the three assessment units (Table 9) were plotted against the TCEQ single sample exceedance of 394 cfu/100 mL (Figure 13, 15, and 17). Only 4 of the 29 samples taken at these stations exceeded the standard. The geometric mean for each assessment unit was calculated (Table 8) and plotted against the TCEQ standard of 126 (Figure 14, 16 and 18). None of the geometric means exceeded the TCEQ standard. Statistics for the non-critical field and laboratory parameters are presented in Tables 10 and 11, respectively.

Table 7. Statistics for 24-hour DO average values.

Assessment	Station	Number of	Mean Value	Standard	Maximum	Minimum
Unit	Identification	Samples		Deviation	Value	Value
1906_01	14198	9	8.52	0.96	10.52	7.15
1906_03	12838	12	7.41	1.42	9.80	4.96
1906_06	12845	12	7.19	1.49	10.66	5.60

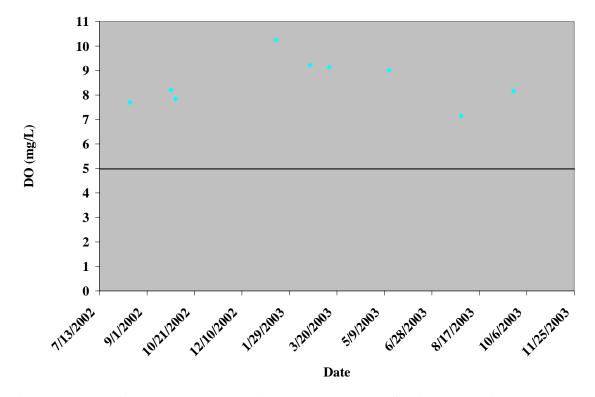


Figure 7. Plot of average 24-hour DO measurements at Station 14198 (Assessment Unit 1)

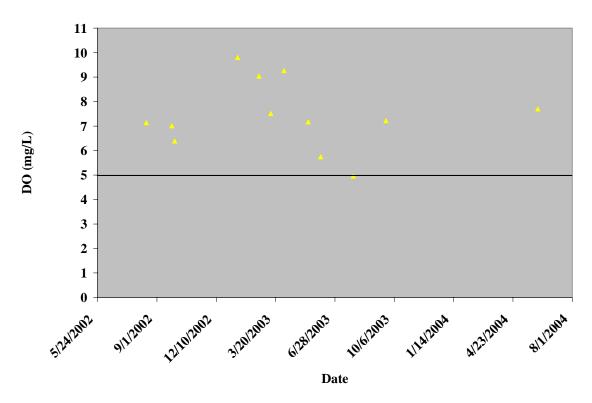


Figure 8. Plot of average 24-hour DO measurements at Station 12838 (Assessment Unit 3)

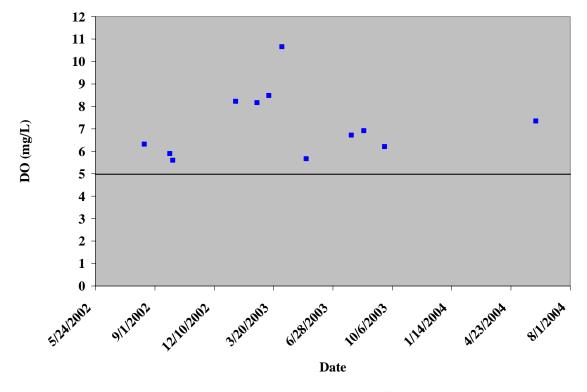


Figure 9. Plot of average 24-hour DO measurements at Station 12845 (Assessment Unit 6)

Table 8. Statistics for 24-hour DO Minimum Values

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
1906_01	14198	9	7.51	1.09	9.69	6.10
1906_03	12838	12	6.07	1.42	8.82	3.25
1906_06	12845	12	6.16	1.42	9.07	3.80

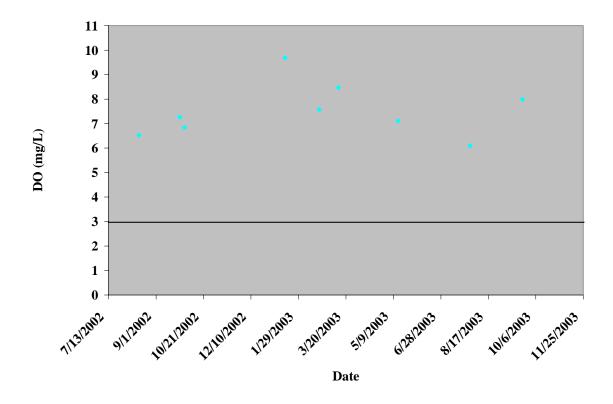


Figure 10. Plot of Minimum 24-hour DO values at Station 14198 (Assessment Unit 1)

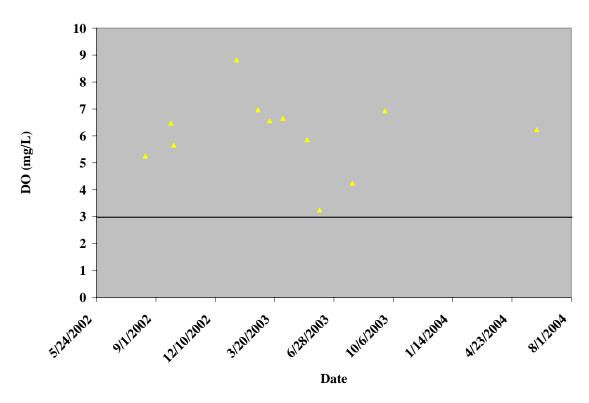


Figure 11. Plot of Minimum 24-hour DO values at Station 12838 (Assessment Unit 3)

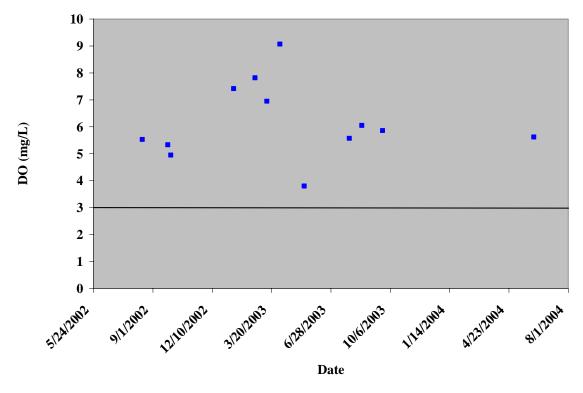


Figure 12. Plot of Minimum 24-hour DO values at Station 12845 (Assessment Unit 6)

Table 9. Statistics for E-coli values.

Assessment	Station	Number of	Mean	Standard	Maximum	Minimum	Geometric
Unit	Identification	Samples	Value	Deviation	Value	Value	Mean
1906_01	14198	10	324.70	751.61	>2419.20	9.60	62.52
1906_03	12838	10	150.53	178.64	613.10	34.50	98.48
1906_06	12845	9	152.38	290.79	920.80	17.50	61.57

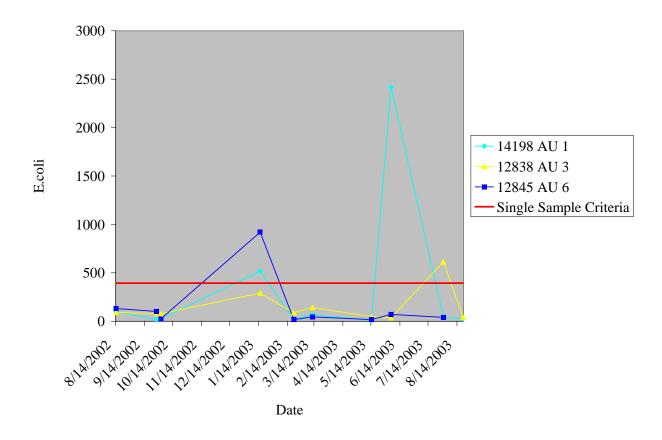


Figure 13. Plot of single sample exceedance of E-coli values for Lower Leon Creek

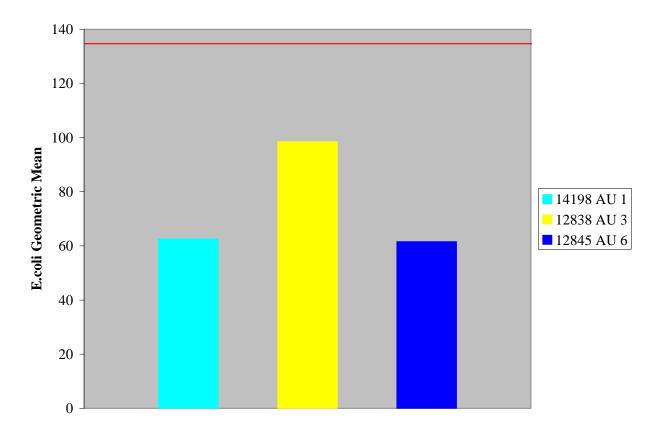


Figure 14. Plot of geometric mean exceedance of E-coli values for Lower Leon Creek

Table 10. Statistics for non-critical field parameters

Station Identification	Parameters	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
14198	Temp (Celsius)	12	23.83	5.23	30.01	12.42
12838	Temp (Celsius)	13	23.14	4.58	27.77	12.40
12845	Temp (Celsius)	11	22.15	4.58	27.47	12.44
14198	pН	11	7.92	0.31	8.61	7.53
12838	pН	13	7.51	0.21	7.93	7.10
12845	pН	11	7.28	0.17	7.53	6.90
14198	Spot DO (mg/L)	10	8.66	2.43	13.37	4.41
12838	Spot DO (mg/L)	12	7.08	2.06	11.40	4.59
12845	Spot DO (mg/L)	11	6.54	1.43	9.08	4.59
14198	Specific Conductivity (microsiemens/cm)	12	886.17	293.52	1249.00	308.00
12838	Specific Conductivity (microsiemens/cm)	12	698.92	197.31	865.00	296.00
12845	Specific Conductivity (microsiemens/cm)	10	813.30	177.03	970.00	357.00
14198	24hr DO Max (mg/L)	9	10.57	1.47	13.37	8.49
12838	24hr DO Max (mg/L)	12	9.13	1.65	12.20	7.51
12845	24hr DO Max (mg/L)	12	8.37	1.89	12.98	6.44
14198	Flow (cfs)	11	27.84	25.97	100.38	8.03
12838	Flow (cfs)	13	15.58	16.58	64.55	3.65
12845	Flow (cfs)	11	5.99	9.26	32.68	0.95

Table 11. Statistics for laboratory parameters

Station Identification	Parameter	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
14198	Alkalinity (mg/L)	11	229.31	61.73	292.76	117.47
12838	Alkalinity (mg/L)	12	263.13	87.48	429.01	118.36
12845	Alkalinity (mg/L)	12	303.96	73.99	472.39	156.00
14198	Chloride (mg/L)	11	72.40	29.11	122.32	21.54
12838	Chloride (mg/L)	12	43.74	14.41	69.00	21.45
12845	Chloride (mg/L)	12	48.58	18.88	73.66	15.07
14198	Sulfate (mg/L)	10	136.58	48.08	182.39	33.00
12838	Sulfate (mg/L)	10	52.46	25.39	85.80	6.94
12845	Sulfate (mg/L)	11	469.85	1397.81	4684.00	6.63
14198	TSS (mg/L)	1	66.00	0	66.00	66.00
12838	TSS (mg/L)	2	14.00	12.73	23.00	5.00
12845	TSS (mg/L)	2	15.50	12.02	24.00	7.00
14198	Ammonia (mg/L)	10	0.75	0.41	<1.00	< 0.10
12838	Ammonia (mg/L)	11	0.68	0.45	<1.00	< 0.03
12845	Ammonia (mg/L)	11	0.67	0.46	<1.00	0.02
14198	Phosphate (mg/L)	8	0.06	0.07	0.22	< 0.01
12838	Phosphate (mg/L)	9	0.04	0.04	0.12	< 0.01
12845	Phosphate (mg/L)	9	0.04	0.04	0.10	< 0.01
14198	Orthophosphate (mg/L)	11	0.50	1.24	4.19	< 0.01
12838	Orthophosphate (mg/L)	12	0.05	0.07	0.25	0.01
12845	Orthophosphate (mg/L)	12	0.45	1.27	4.47	< 0.01
14198	TKN (mg/L)	8	0.94	0.18	1.00	0.5
12838	TKN (mg/L)	9	0.84	0.34	1.00	< 0.05
12845	TKN (mg/L)	9	0.84	0.34	1.00	< 0.05
14198	TOC (mg/L)	12	5.12	2.74	11.47	2.90
12838	TOC (mg/L)	13	6.12	2.78	10.93	2.62
12845	TOC (mg/L)	13	6.49	2.72	10.88	2.64
14198	Chlorophyll A (ug/L)	11	0.85	1.50	5.08	< 0.25
12838	Chlorophyll A (ug/L)	12	1.04	1.69	5.87	< 0.25
12845	Chlorophyll A (ug/L)	12	1.09	2.09	7.48	< 0.25
14198	Phenophytin A (ug/L)	11	0.59	0.90	3.20	< 0.25
12838	Phenophytin A (ug/L)	12	0.73	1.01	3.47	< 0.25
12845	Phenophytin A (ug/L)	12	0.68	0.94	3.36	< 0.25
14198	Nitrate/Nitrite (mg/L)	9	2.27	0.74	3.33	1.11
12838	Nitrate/Nitrite (mg/L)	10	1.15	0.59	2.00	< 0.05
12845	Nitrate/Nitrite (mg/L)	10	1.19	0.65	2.60	< 0.05

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 1906 is the use of 24-hour dissolvedoxygen averages in place of the (historical) instantaneous measurements, and the use of e-coli as a bacterial indicator. The 24-hour average gives 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 criterion. The results from the physical, chemical, and bacterial data collected by the TAMUK/CBI team on Lower Leon Creek indicated no impairment due to depressed levels of dissolved oxygen, or increased levels of bacteria in the water. Only one of the 33 24-hour dissolved oxygen samples had an average value that exceeded the TCEQ average criteria associated with a "high aquatic life use", and only 4 of 29 e-coli samples collected exceeded the single sample exceedance criteria associated with contact recreation use. None of the e-coli geometric mean from the 3 assessment units exceeded the standard set by TCEQ for contact recreation. As a result of these findings, Lower Leon Creek (Segment 1906) will likely be removed from the 2006 303(d) List for Impairment due to partial support of aquatic life use resulting from depressed dissolved oxygen and non support of contact recreation due to elevated levels of bacteria in the stream.

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Appendix A Fact Sheets

TEES A-1

Lower Leon Creek

Segment: 1906 San Antonio River Basin

Basin number: 19 **Basin group:** E

Water body description: From the confluence with the Medina River in Bexar County to a point 100 meters

(110 yards) upstream of SH 16 northwest of San Antonio in Bexar County

Water body classification: Classified

Water body type: Freshwater Stream
Water body length / area: 32 Miles

Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption

Use, Public Water Supply Use

Standards Not Met in 2004:				
Assessment Area	Use	Support Status	Parameter	Category
From 2 miles upstream of Hwy 353 to Hwy 90	Fish Consumption Use	Not Supporting	PCBs in fish tissue	5a
Lower 3 miles of segment Remainder of segment	Contact Recreation Use Contact Recreation Use	Not Supporting Not Supporting	bacteria bacteria	5c 5c

Standards Not Met and Concerns in Previous Years:		G 4 G4.4		
Assessment Area	Use	Support Status or Concern	Parameter	Category
From 2 miles upstream of Hwy 353 to	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Hwy 90				
From 3 miles upstream lower end of	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
segment to confluence with Indian				
Creek				
From Hwy 353 to two miles upstream	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
From confluence with Indian Creek to	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Hwy 353				
Lower 3 miles of segment	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Remainder of segment	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

Additional Information: The public water supply, and general uses are fully supported.

This segment was identified on the 2000 303(d) List as partially 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.

2004 Concerns:		,	II data 110111 03/01/1998 to 02/28/20
Assessment Area	Use or Concern	Concern Status	Description of Concern
From 2 miles upstream of Hwy 353 to Hwy 90	Aquatic Life Use	Use Concern	depressed dissolved oxygen
From 2 miles upstream of Hwy 353 to Hwy 90	Contact Recreation Use	Use Concern	bacteria
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	cadmium in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	chromium in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	lead in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	nickel in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	silver in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	zinc in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Contact Recreation Use	Use Concern- Limited Data	bacteria
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	cadmium in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	chromium in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	lead in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	nickel in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	silver in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	zinc in sediment
From Hwy 353 to two miles upstream	Contact Recreation Use	Use Concern- Limited Data	bacteria
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	cadmium in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	chromium in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	lead in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	nickel in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	silver in sediment

2004 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	zinc in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	cadmium in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	chromium in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	lead in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	nickel in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	silver in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	zinc in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	cadmium in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	chromium in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	lead in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	nickel in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	silver in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	zinc in sediment
Remainder of segment	Contact Recreation Use	Use Concern	bacteria
Remainder of segment	Sediment Contaminants Concern	Concern	cadmium in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	chromium in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	lead in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	nickel in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	silver in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	zinc in sediment

Monitoring sites used:		
Assessment Area	Station ID	Station Description
From 2 miles upstream of Hwy 353 to Hwy 90	12841	LEON CREEK AT LOW WATER CROSSING AT RUIZ RANCH 1.88 KM DOWNSTREAM OF LOOP 13 SOUTH OF SAN ANTONIO
From 3 miles upstream lower end of segment to confluence with Indian Creek	12836	LEON CREEK AT SH 16, 4 MI. WEST OF MITCHELL LAKE
From Hwy 353 to two miles upstream	12840	LEON CREEK AT QUINTANA ROAD IN SAN ANTONIO
From confluence with Indian Creek to Hwy 353	12838	LEON CREEK AT IH 35 SOUTH OF SAN ANTONIO
Lower 3 miles of segment	14198	LEON CREEK UPSTREAM FROM LEON CREEK WWTP
Remainder of segment	14209	LEON CREEK UPSTREAM RODRIGUEZ PARK

Published studies: Publication	Date	Author
AS-28/SR Leon Creek	Nov. 1989	Dela Cruz, A (Region 13)
IMS 45 Leon Creek	July 1974	Rathburn, D.

Historical fish kills:			
Date	Location	Fish Killed	Suspected Cause
9/2/1996	Leon Creek	165	Low Dissolved Oxygen
1/8/1999	Kelly AFB at outfall #1 near Military Dr and Leon Creek	1	Pollutant

Freshw	vater Stream	San Antonio	River Basin 7	Total size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life l	Use						
2002	Dissolved Oxygen grab average	Use Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	12	3	
2002	Dissolved Oxygen grab average	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	8	0	
2002	Dissolved Oxygen grab average	No Concern	From Hwy 353 to two miles upstream	2	15	0	
2002	Dissolved Oxygen grab average	Not Assessed	From confluence with Indian Creek to Hwy 353	6	9	1	
2002	Dissolved Oxygen grab average	No Concern	Lower 3 miles of segment	3	15	0	
2002	Dissolved Oxygen grab average	No Concern	Remainder of segment	11	13	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	12	1	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	8	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From Hwy 353 to two miles upstream	2	15	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	From confluence with Indian Creek to Hwy 353	6	9	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 3 miles of segment	3	15	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Remainder of segment	11	13	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From Hwy 353 to two miles upstream	2	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From confluence with Indian Creek to Hwy 353	6	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 3 miles of segment	3	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Remainder of segment	11	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From Hwy 353 to two miles upstream	2	0		

Freshw	rater Stream	San Antonio	River Basin	Total size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life U	Jse (continued)						
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From confluence with Indian Creek to Hwy 353	6	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 3 miles of segment	3	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Remainder of segment	11	0		
2002	Acute Metals in water	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	12	0	
2002	Acute Metals in water	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	2		
2002	Acute Metals in water	Not Assessed	From Hwy 353 to two miles upstream	2	2		
2002	Acute Metals in water	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	14	0	
2002	Acute Metals in water	Not Assessed	Lower 3 miles of segment	3	1		
2002	Acute Metals in water	Not Assessed	Remainder of segment	11	1		
2002	Chronic Metals in water	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	12		
2002	Chronic Metals in water	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	2		
2002	Chronic Metals in water	Not Assessed	From Hwy 353 to two miles upstream	2	2		
2002	Chronic Metals in water	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	14		
2002	Chronic Metals in water	Not Assessed	Lower 3 miles of segment	3	1		
2002	Chronic Metals in water	Not Assessed	Remainder of segment	11	1		
2002	Acute Organics in water	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7	2		
2002	Chronic Organics in water	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7	2		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	From 2 miles upstream of Hwy 353 to Hwy 90	7	8	0	
2002	Chronic Toxicity tests in water	Not Assessed	From confluence with Indian Creek to Hwy 353	6	2	0	
2002	Chronic Toxicity tests in sediment	No Concern-Limited Data	From 2 miles upstream of Hwy 353 to Hwy 90	7	6	0	

Freshw	ater Stream	San Antonio	River Basin T	otal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life U	J se (continued)						
2002	Chronic Toxicity tests in sediment	Not Assessed	From confluence with Indian Creek to Hwy 353	6	2	0	
2002	Overall Aquatic Life Use	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Aquatic Life Use	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Aquatic Life Use	Fully Supporting	From Hwy 353 to two miles upstream	2			
2002	Overall Aquatic Life Use	Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Aquatic Life Use	Fully Supporting	Lower 3 miles of segment	3			
2002	Overall Aquatic Life Use	Fully Supporting	Remainder of segment	11			
Contact Recre	eation Use			1	•	l	
2004	E. coli single sample	No Concern-Limited Data	From 2 miles upstream of Hwy 353 to Hwy 90	7	7	0	
2004	E. coli single sample	No Concern-Limited Data	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	5	1	
2004	E. coli single sample	No Concern-Limited Data	From Hwy 353 to two miles upstream	2	8	2	
2004	E. coli single sample	No Concern-Limited Data	From confluence with Indian Creek to Hwy 353	6	6	0	
2004	E. coli single sample	Fully Supporting	Lower 3 miles of segment	3	16	4	
2004	E. coli single sample	Use Concern	Remainder of segment	11	10	4	
2004	E. coli geometric mean	No Concern-Limited Data	From 2 miles upstream of Hwy 353 to Hwy 90	7	7		70
2004	E. coli geometric mean	Use Concern-Limited Data	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	5		440
2004	E. coli geometric mean	Use Concern-Limited Data	From Hwy 353 to two miles upstream	2	8		133

Freshw	vater Stream	San Antonio	River Basin	Total size:	32	Miles	-
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recre	eation Use (continued)						
2004	E. coli geometric mean	No Concern-Limited Data	From confluence with Indian Creek to Hwy 35	3 6	6		55
2004	E. coli geometric mean	Not Supporting	Lower 3 miles of segment	3	16		166
2004	E. coli geometric mean	Not Supporting	Remainder of segment	11	10		333
2004	Fecal coliform single sample	Use Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	11	4	
2004	Fecal coliform single sample	Use Concern-Limited Data	From 3 miles upstream lower end of segment t confluence with Indian Creek	о 3	5	1	
2004	Fecal coliform single sample	No Concern-Limited Data	From Hwy 353 to two miles upstream	2	8	2	
2004	Fecal coliform single sample	Fully Supporting	From confluence with Indian Creek to Hwy 35	3 6	11	0	
2004	Fecal coliform single sample	Not Assess-Not Represent	Lower 3 miles of segment	3	16	6	
2004	Fecal coliform single sample	Not Assess-Not Represent	Remainder of segment	11	10	6	
2004	Fecal coliform geometric mean	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	11		135
2004	Fecal coliform geometric mean	Use Concern-Limited Data	From 3 miles upstream lower end of segment t confluence with Indian Creek	о 3	5		792
2004	Fecal coliform geometric mean	Use Concern-Limited Data	From Hwy 353 to two miles upstream	2	8		225
2004	Fecal coliform geometric mean	Fully Supporting	From confluence with Indian Creek to Hwy 35	3 6	11		155
2004	Fecal coliform geometric mean	Not Assess-Not Represent	Lower 3 miles of segment	3	16		266
2004	Fecal coliform geometric mean	Not Assess-Not Represent	Remainder of segment	11	10		682
2004	Overall Recreation Use	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2004	Overall Recreation Use	Not Assessed	From 3 miles upstream lower end of segment t confluence with Indian Creek	о 3			
2004	Overall Recreation Use	Not Assessed	From Hwy 353 to two miles upstream	2			

Freshw	vater Stream	San Antonio	River Basin To	tal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mear
Contact Recre	eation Use (continued)						
2004	Overall Recreation Use	Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2004	Overall Recreation Use	Not Supporting	Lower 3 miles of segment	3			
2004	Overall Recreation Use	Not Supporting	Remainder of segment	11			
eneral Use							
2002	Water Temperature	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	16	0	
2002	Water Temperature	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	16	0	
2002	Water Temperature	Fully Supporting	From Hwy 353 to two miles upstream	2	16	0	
2002	Water Temperature	No Concern-Limited Data	From confluence with Indian Creek to Hwy 353	6	9	0	
2002	Water Temperature	Fully Supporting	Lower 3 miles of segment	3	16	0	
2002	Water Temperature	Fully Supporting	Remainder of segment	11	13	0	
2002	pН	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	16	0	
2002	pH	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	11	0	
2002	pH	Fully Supporting	From Hwy 353 to two miles upstream	2	10	0	
2002	pH	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	10	0	
2002	pH	Fully Supporting	Lower 3 miles of segment	3	13	0	
2002	pH	No Concern-Limited Data	Remainder of segment	11	9	0	
2002	Chloride	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	88		61
2002	Chloride	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	88		61
2002	Chloride	Fully Supporting	From Hwy 353 to two miles upstream	2	88		61
2002	Chloride	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	88		61
2002	Chloride	Fully Supporting	Lower 3 miles of segment	3	88		61

Freshw	vater Stream	San Antonio	River Basin Total	ıl size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
eneral Use	(continued)						
2002	Chloride	Fully Supporting	Remainder of segment	11	88		61
2002	Sulfate	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	88		75.7
2002	Sulfate	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	88		75.7
2002	Sulfate	Fully Supporting	From Hwy 353 to two miles upstream	2	88		75.
2002	Sulfate	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	88		75.
2002	Sulfate	Fully Supporting	Lower 3 miles of segment	3	88		75.
2002	Sulfate	Fully Supporting	Remainder of segment	11	88		75.
2002	Total Dissolved Solids	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	98		504
2002	Total Dissolved Solids	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	98		504
2002	Total Dissolved Solids	Fully Supporting	From Hwy 353 to two miles upstream	2	98		504
2002	Total Dissolved Solids	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	98		504
2002	Total Dissolved Solids	Fully Supporting	Lower 3 miles of segment	3	98		504
2002	Total Dissolved Solids	Fully Supporting	Remainder of segment	11	98		504
2002	Overall General Use	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall General Use	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall General Use	Fully Supporting	From Hwy 353 to two miles upstream	2			
2002	Overall General Use	Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2002	Overall General Use	Fully Supporting	Lower 3 miles of segment	3			
2002	Overall General Use	Fully Supporting	Remainder of segment	11			
sh Consump	otion Use	•		•			
2004	Advisories and Closures No- Consumption	Not Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			

Freshw	rater Stream	San Antonio	River Basin	Гotal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consump	tion Use (continued)						
2002	Human Health Criteria	Not Assessed	From Hwy 353 to two miles upstream	2	2		
2002	Human Health Criteria Metals	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	12		
2002	Human Health Criteria Metals	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	2		
2002	Human Health Criteria Metals	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	13		
2002	Human Health Criteria Metals	Not Assessed	Lower 3 miles of segment	3	1		
2002	Human Health Criteria Metals	Not Assessed	Remainder of segment	11	1		
2002	Human Health Criteria Organics	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7	2		
2004	Overall Fish Consumption Use	Not Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Fish Consumption Use	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Fish Consumption Use	Not Assessed	From Hwy 353 to two miles upstream	2			
2002	Overall Fish Consumption Use	Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Fish Consumption Use	Not Assessed	Lower 3 miles of segment	3			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	11			
Public Water S	Supply Use						
2002	Finished Water: Running Avg	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: Running Avg	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Finished Water: Running Avg	Fully Supporting	From Hwy 353 to two miles upstream	2			
2002	Finished Water: Running Avg	Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2002	Finished Water: Running Avg	Fully Supporting	Lower 3 miles of segment	3			
2002	Finished Water: Running Avg	Fully Supporting	Remainder of segment	11			
2002	Surface Water: Long-term average Metals	Fully Supporting	From confluence with Indian Creek to Hwy 353	6	13		

Freshw	ater Stream	San Antonio	River Basin	Total size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water S	Supply Use (continued)						
2002	Surface Water: Long-term average Metals	Not Assessed	Lower 3 miles of segment	3	1		
2002	Surface Water: Long-term average Metals	Not Assessed	Remainder of segment	11	1		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	19		1.3
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	11		1.1
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	From Hwy 353 to two miles upstream	2	12		0.79
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	From confluence with Indian Creek to Hwy 35	3 6	17		0.91
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 3 miles of segment	3	13		2.1
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Remainder of segment	11	11		0.65
2002	Surface Water: Running average Metals	Fully Supporting	From confluence with Indian Creek to Hwy 35	3 6	13	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7	19	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	11	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From Hwy 353 to two miles upstream	2	12	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From confluence with Indian Creek to Hwy 35	3 6	17	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 3 miles of segment	3	13	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Remainder of segment	11	11	0	

Freshw	ater Stream	San Antonio	River Basin Tota	ıl size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
ublic Water	Supply Use (continued)						
2002	Overall Public Water Supply Use	Fully Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Public Water Supply Use	Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Public Water Supply Use	Fully Supporting	From Hwy 353 to two miles upstream	2			
2002	Overall Public Water Supply Use	Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Public Water Supply Use	Fully Supporting	Lower 3 miles of segment	3			
2002	Overall Public Water Supply Use	Fully Supporting	Remainder of segment	11			
Overall Use Si	upport			·			
2004		Not Supporting	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2004		Fully Supporting	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2004		Fully Supporting	From Hwy 353 to two miles upstream	2			
2004		Fully Supporting	From confluence with Indian Creek to Hwy 353	6			
2004		Not Supporting	Lower 3 miles of segment	3			
2004		Not Supporting	Remainder of segment	11			
lutrient Enric	chment Concern						
2002	Ammonia Nitrogen	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	18	2	
2002	Ammonia Nitrogen	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	12	0	
2002	Ammonia Nitrogen	No Concern	From Hwy 353 to two miles upstream	2	13	0	
2002	Ammonia Nitrogen	No Concern	From confluence with Indian Creek to Hwy 353	6	16	0	
2002	Ammonia Nitrogen	No Concern	Lower 3 miles of segment	3	11	0	
2002	Ammonia Nitrogen	No Concern	Remainder of segment	11	12	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	19	2	

Freshw	ater Stream	San Antonio	River Basin To	tal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enric	chment Concern (continued)						
2002	Nitrite + Nitrate Nitrogen	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	11	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From Hwy 353 to two miles upstream	2	12	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From confluence with Indian Creek to Hwy 353	6	17	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 3 miles of segment	3	13	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	Remainder of segment	11	11	0	
2002	Orthophosphorus	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	18	0	
2002	Orthophosphorus	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	11	0	
2002	Orthophosphorus	No Concern	From Hwy 353 to two miles upstream	2	10	0	
2002	Orthophosphorus	No Concern	From confluence with Indian Creek to Hwy 353	6	14	0	
2002	Orthophosphorus	No Concern	Lower 3 miles of segment	3	10	0	
2002	Orthophosphorus	No Concern	Remainder of segment	11	10	0	
2002	Total Phosphorus	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	19	0	
2002	Total Phosphorus	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	12	0	
2002	Total Phosphorus	No Concern	From Hwy 353 to two miles upstream	2	13	0	
2002	Total Phosphorus	No Concern	From confluence with Indian Creek to Hwy 353	6	17	1	
2002	Total Phosphorus	No Concern	Lower 3 miles of segment	3	13	0	
2002	Total Phosphorus	No Concern	Remainder of segment	11	12	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Nutrient Enrichment Concerns	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Nutrient Enrichment Concerns	No Concern	From Hwy 353 to two miles upstream	2			

Freshw	ater Stream	San Antonio	River Basin Tota	l size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
ıtrient Enric	chment Concern (continued)						
2002	Overall Nutrient Enrichment Concerns	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 3 miles of segment	3			
2002	Overall Nutrient Enrichment Concerns	No Concern	Remainder of segment	11			
gal Growth	Concern						
2002	Chlorophyll a	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	19	1	
2002	Chlorophyll a	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	1	0	
2002	Chlorophyll a	Not Assessed	From Hwy 353 to two miles upstream	2	1	0	
2002	Chlorophyll a	No Concern	From confluence with Indian Creek to Hwy 353	6	14	0	
2002	Chlorophyll a	Not Assessed	Lower 3 miles of segment	3	0		
2002	Chlorophyll a	Not Assessed	Remainder of segment	11	0		
liment Con	taminants Concern						
2002	PEL Metals in sediment Cadmium	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	7	
2002	PEL Metals in sediment Cadmium	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	7	
2002	PEL Metals in sediment Cadmium	Concern	From Hwy 353 to two miles upstream	2	10	7	
2002	PEL Metals in sediment Cadmium	Concern	From confluence with Indian Creek to Hwy 353	6	10	7	
2002	PEL Metals in sediment Cadmium	Concern	Lower 3 miles of segment	3	10	7	
2002	PEL Metals in sediment Cadmium	Concern	Remainder of segment	11	10	7	
2002	PEL Metals in sediment Chromium	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	5	
2002	PEL Metals in sediment Chromium	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	5	
2002	PEL Metals in sediment Chromium	Concern	From Hwy 353 to two miles upstream	2	10	5	
2002	PEL Metals in sediment Chromium	Concern	From confluence with Indian Creek to Hwy 353	6	10	5	

Freshw	rater Stream	San Antonio	River Basin Tota	al size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Sediment Con	taminants Concern (continued						
2002	PEL Metals in sediment Chromium	Concern	Lower 3 miles of segment	3	10	5	
2002	PEL Metals in sediment Chromium	Concern	Remainder of segment	11	10	5	
2002	PEL Metals in sediment Lead	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	4	
2002	PEL Metals in sediment Lead	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	4	
2002	PEL Metals in sediment Lead	Concern	From Hwy 353 to two miles upstream	2	10	4	
2002	PEL Metals in sediment Lead	Concern	From confluence with Indian Creek to Hwy 353	6	10	4	
2002	PEL Metals in sediment Lead	Concern	Lower 3 miles of segment	3	10	4	
2002	PEL Metals in sediment Lead	Concern	Remainder of segment	11	10	4	
2002	PEL Metals in sediment Nickel	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	5	
2002	PEL Metals in sediment Nickel	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	5	
2002	PEL Metals in sediment Nickel	Concern	From Hwy 353 to two miles upstream	2	10	5	
2002	PEL Metals in sediment Nickel	Concern	From confluence with Indian Creek to Hwy 353	6	10	5	
2002	PEL Metals in sediment Nickel	Concern	Lower 3 miles of segment	3	10	5	
2002	PEL Metals in sediment Nickel	Concern	Remainder of segment	11	10	5	
2002	85% Metals in sediment Cadmium	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	9	
2002	85% Metals in sediment Cadmium	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	9	
2002	85% Metals in sediment Cadmium	Concern	From Hwy 353 to two miles upstream	2	10	9	
2002	85% Metals in sediment Cadmium	Concern	From confluence with Indian Creek to Hwy 353	6	10	9	
2002	85% Metals in sediment Cadmium	Concern	Lower 3 miles of segment	3	10	9	
2002	85% Metals in sediment Cadmium	Concern	Remainder of segment	11	10	9	
2002	85% Metals in sediment Chromium	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	10	
2002	85% Metals in sediment Chromium	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	10	

Freshw	vater Stream	San Antonio	River Basin To	tal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
diment Con	taminants Concern (continued						
2002	85% Metals in sediment Chromium	Concern	From Hwy 353 to two miles upstream	2	10	10	
2002	85% Metals in sediment Chromium	Concern	From confluence with Indian Creek to Hwy 353	6	10	10	
2002	85% Metals in sediment Chromium	Concern	Lower 3 miles of segment	3	10	10	
2002	85% Metals in sediment Chromium	Concern	Remainder of segment	11	10	10	
2002	85% Metals in sediment Lead	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	10	
2002	85% Metals in sediment Lead	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	10	
2002	85% Metals in sediment Lead	Concern	From Hwy 353 to two miles upstream	2	10	10	
2002	85% Metals in sediment Lead	Concern	From confluence with Indian Creek to Hwy 353	6	10	10	
2002	85% Metals in sediment Lead	Concern	Lower 3 miles of segment	3	10	10	
2002	85% Metals in sediment Lead	Concern	Remainder of segment	11	10	10	
2002	85% Metals in sediment Nickel	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	10	
2002	85% Metals in sediment Nickel	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	10	
2002	85% Metals in sediment Nickel	Concern	From Hwy 353 to two miles upstream	2	10	10	
2002	85% Metals in sediment Nickel	Concern	From confluence with Indian Creek to Hwy 353	6	10	10	
2002	85% Metals in sediment Nickel	Concern	Lower 3 miles of segment	3	10	10	
2002	85% Metals in sediment Nickel	Concern	Remainder of segment	11	10	10	
2002	85% Metals in sediment Silver	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	10	
2002	85% Metals in sediment Silver	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	10	
2002	85% Metals in sediment Silver	Concern	From Hwy 353 to two miles upstream	2	10	10	
2002	85% Metals in sediment Silver	Concern	From confluence with Indian Creek to Hwy 353	6	10	10	
2002	85% Metals in sediment Silver	Concern	Lower 3 miles of segment	3	10	10	

Freshw	rater Stream	San Antonio	River Basin Total	l size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
diment Con	taminants Concern (continue	d)					
2002	85% Metals in sediment Silver	Concern	Remainder of segment	11	10	10	
2002	85% Metals in sediment Zinc	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	10	10	
2002	85% Metals in sediment Zinc	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	10	10	
2002	85% Metals in sediment Zinc	Concern	From Hwy 353 to two miles upstream	2	10	10	
2002	85% Metals in sediment Zinc	Concern	From confluence with Indian Creek to Hwy 353	6	10	10	
2002	85% Metals in sediment Zinc	Concern	Lower 3 miles of segment	3	10	10	
2002	85% Metals in sediment Zinc	Concern	Remainder of segment	11	10	10	
2002	Organics in sediment	Not Assessed	Lower 3 miles of segment	3	7		
2002	Overall Sediment Contaminant Concerns	Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Sediment Contaminant Concerns	Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Sediment Contaminant Concerns	Concern	From Hwy 353 to two miles upstream	2			
2002	Overall Sediment Contaminant Concerns	Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Sediment Contaminant Concerns	Concern	Lower 3 miles of segment	3			
2002	Overall Sediment Contaminant Concerns	Concern	Remainder of segment	11			
sh Tissue Co	ontaminants Concern						
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From Hwy 353 to two miles upstream	2			

Freshw	ater Stream	San Antonio	River Basin To	otal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Tissue Co	ontaminants Concern (contin	ued)					
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 3 miles of segment	3			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	11			
Public Water S	Supply Concern						
2002	Finished Water: Chloride	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: Chloride	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Finished Water: Chloride	No Concern	From Hwy 353 to two miles upstream	2			
2002	Finished Water: Chloride	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Finished Water: Chloride	No Concern	Lower 3 miles of segment	3			
2002	Finished Water: Chloride	No Concern	Remainder of segment	11			
2002	Finished Water: Sulfate	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: Sulfate	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Finished Water: Sulfate	No Concern	From Hwy 353 to two miles upstream	2			
2002	Finished Water: Sulfate	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Finished Water: Sulfate	No Concern	Lower 3 miles of segment	3			
2002	Finished Water: Sulfate	No Concern	Remainder of segment	11			
2002	Finished Water: Total Dissolved Solids	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: Total Dissolved Solids	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Finished Water: Total Dissolved Solids	No Concern	From Hwy 353 to two miles upstream	2			

Freshw	vater Stream	San Antonio	River Basin	Total size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water	Supply Concern (continued)						
2002	Finished Water: Total Dissolved Solids	No Concern	From confluence with Indian Creek to Hwy 35.	6			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 3 miles of segment	3			
2002	Finished Water: Total Dissolved Solids	No Concern	Remainder of segment	11			
2002	Finished Water: MTBE	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: MTBE	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	о 3			
2002	Finished Water: MTBE	No Concern	From Hwy 353 to two miles upstream	2			
2002	Finished Water: MTBE	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Finished Water: MTBE	No Concern	Lower 3 miles of segment	3			
2002	Finished Water: MTBE	No Concern	Remainder of segment	11			
2002	Finished Water: Perchlorate	Not Assessed	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: Perchlorate	Not Assessed	From 3 miles upstream lower end of segment to confluence with Indian Creek	0 3			
2002	Finished Water: Perchlorate	Not Assessed	From Hwy 353 to two miles upstream	2			
2002	Finished Water: Perchlorate	Not Assessed	From confluence with Indian Creek to Hwy 353	6			
2002	Finished Water: Perchlorate	Not Assessed	Lower 3 miles of segment	3			
2002	Finished Water: Perchlorate	Not Assessed	Remainder of segment	11			
2002	Finished Water: Overall	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Finished Water: Overall	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	о 3			
2002	Finished Water: Overall	No Concern	From Hwy 353 to two miles upstream	2			
2002	Finished Water: Overall	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Finished Water: Overall	No Concern	Lower 3 miles of segment	3			
2002	Finished Water: Overall	No Concern	Remainder of segment	11			

Freshw	vater Stream	San Antonio	River Basin To	otal size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
ublic Water S	Supply Concern (continued)						
2002	Surface Water: Chloride	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	88		61
2002	Surface Water: Chloride	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	88		61
2002	Surface Water: Chloride	No Concern	From Hwy 353 to two miles upstream	2	88		61
2002	Surface Water: Chloride	No Concern	From confluence with Indian Creek to Hwy 353	6	88		61
2002	Surface Water: Chloride	No Concern	Lower 3 miles of segment	3	88		61
2002	Surface Water: Chloride	No Concern	Remainder of segment	11	88		61
2002	Surface Water: Sulfate	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	88		75.7
2002	Surface Water: Sulfate	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	88		75.7
2002	Surface Water: Sulfate	No Concern	From Hwy 353 to two miles upstream	2	88		75.7
2002	Surface Water: Sulfate	No Concern	From confluence with Indian Creek to Hwy 353	6	88		75.7
2002	Surface Water: Sulfate	No Concern	Lower 3 miles of segment	3	88		75.7
2002	Surface Water: Sulfate	No Concern	Remainder of segment	11	88		75.7
2002	Surface Water: Total Dissolved Solids	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7	98		504.
2002	Surface Water: Total Dissolved Solids	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3	98		504.
2002	Surface Water: Total Dissolved Solids	No Concern	From Hwy 353 to two miles upstream	2	98		504.
2002	Surface Water: Total Dissolved Solids	No Concern	From confluence with Indian Creek to Hwy 353	6	98		504.
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 3 miles of segment	3	98		504.
2002	Surface Water: Total Dissolved Solids	No Concern	Remainder of segment	11	98		504.
2002	Surface Water: Overall	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			

Freshw	vater Stream	San Antonio	River Basin Tot	al size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
blic Water S	Supply Concern (continued)						
2002	Surface Water: Overall	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Surface Water: Overall	No Concern	From Hwy 353 to two miles upstream	2			
2002	Surface Water: Overall	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Surface Water: Overall	No Concern	Lower 3 miles of segment	3			
2002	Surface Water: Overall	No Concern	Remainder of segment	11			
2002	Overall Public Water Supply Concerns	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Public Water Supply Concerns	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Public Water Supply Concerns	No Concern	From Hwy 353 to two miles upstream	2			
2002	Overall Public Water Supply Concerns	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Public Water Supply Concerns	No Concern	Lower 3 miles of segment	3			
2002	Overall Public Water Supply Concerns	No Concern	Remainder of segment	11			
rrative Crit	teria Concern						
2002	Overall Narrative Criteria Concerns	No Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002	Overall Narrative Criteria Concerns	No Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	3			
2002	Overall Narrative Criteria Concerns	No Concern	From Hwy 353 to two miles upstream	2			
2002	Overall Narrative Criteria Concerns	No Concern	From confluence with Indian Creek to Hwy 353	6			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 3 miles of segment	3			

Freshw	vater Stream	San Antonio River Basin		Total size:	32	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mear
Narrative Cri	teria Concern (continued)						
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	11			
Overall Secon	dary Concern	<u> </u>		I			<u> </u>
2002		Concern	From 2 miles upstream of Hwy 353 to Hwy 90	7			
2002		Concern	From 3 miles upstream lower end of segment to confluence with Indian Creek	to 3			
2002		Concern	From Hwy 353 to two miles upstream	2			
2002		Concern	From confluence with Indian Creek to Hwy 35	6			
2002		Concern	Lower 3 miles of segment	3			
2002		Concern	Remainder of segment	11			

Impairment Verification Monitoring—Volume 1: Physical, and Chemical Components Segment 1906 Lower Leon Creek

Appendix B Raw Data

TEES B-1

14198 31/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 20.611905 14198 1472003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.061900 12383 5/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.5019100 14198 14752003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.7771900 12383 6/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.771900 14198 6/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.811900 14198 6/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.811900 12383 14752003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.811900 12383 14722003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.211900 12484 3/23/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.211900 14198 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.211900 14198 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.861900 12383 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.861900 12484 6/4/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.861900 12498 3/22/2003 00010 TEMPERATURE, WATER (DEGREE	Stationid	Enddate STORETCODE	DESCRIPTION	GTLT	VALUE	Segment
12838 5/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.6.9 ingol 12838 6/14/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.7.77 ingol 12838 6/14/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.4.76 ingol 12838 6/14/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.4.76 ingol 12838 1/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.4.81 ingol 12838 1/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.81 ingol 12845 2/12/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.21 ingol 12845 2/12/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.21 ingol 12845 2/12/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.86 ingol 1498 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.86 ingol 12838 3/12/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.86 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.86 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.86 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.2.59 ingol 12838 2/22/2003 00010 TEMPERATURE, WATER (DEGREE	14198	3/12/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		20.61	1906
12838 5/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.50 51905 12838 6/4/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.77 1906 12838 6/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.76 1906 12838 6/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.81 1906 12838 1/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.81 1906 12838 1/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.41 1906 12845 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.21 1906 12845 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.28 1906 12845 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.28 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.28 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.28 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.28 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.24 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.24 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.25 19 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.34 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.55 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.55 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 12838 2/2/2/003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 12838 2/2/2/003 00	14198	5/14/2003 00010			26.82	1906
12888 64/2004 00010	12838	5/14/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)			
12838 64/2004 00010	14198	1/15/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		12.42	1906
12838 64/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.81 1900 12838 115/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.81 1901 12845 32/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.21 1900 12845 31/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.21 1900 12845 31/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.80 1900 12845 31/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.80 1900 12845 31/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.24 1901 12845 31/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.24 1901 12845 32/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.85 1901 12848 32/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.85 1901 12848 32/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1901 12849 32/22003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1901 12849 37/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1901 14198 77/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1901 14198 77/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1901 14198 77/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1901 14198 77/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.45 1901 14198 141	12838	6/4/2004 00010			27.77	1906
12888 1/15/2003 00010	12838	6/4/2003 00010			24.76	1906
12845 9/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.2 1900	14198	6/4/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.81	1906
12845 9/32/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.2 1900	12838	1/15/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		12.4	1906
14198 9/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.81 1906 12845 6/4/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.24 1906 14198 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.24 1906 14198 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 14198 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 14198 3/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1906 14198 3/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 30.01 1900 12838 3/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 30.01 1900 12845 3/02/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1900 12845 3/02/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.55 1900 12845 101/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.55 1900 12845 101/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.36 1900 12845 101/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.36 1900 12845 101/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.36 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.96 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.96 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.96 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 3/4/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 3/4/2002 00010 TEMPERATUR	12845		TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.21	1906
12838 3/12/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.24 1900 14198 8/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.86 1900 14198 8/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.86 1900 12383 8/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1900 12383 27.30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1900 12381 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1900 12381 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1900 12381 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1900 12384 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1900 12384 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.78 1900 14198 101/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.78 1900 14198 101/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.36 1900 14198 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.18 1900 14198 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.42 1900 12384 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.42 1900 12845 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.42 1900 12845 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.56 1900 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.6 1900 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.6 1900 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 8/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 8/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1900 12845 8/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.61 1900 12845 8/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.61 1900 12845 8/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.61 1900 12845 8/14/2003 0001	12845	3/12/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		19.2	1906
12845 6/4/2004 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 29.85.1906 12838 9/22/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 22.59.1906 12838 9/22/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.44.1906 12838 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.44.1906 12838 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 30.01.1906 12838 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 30.01.1906 12845 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 26.55.1906 12838 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 26.55.1906 12838 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 26.55.1906 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 25.36.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 25.36.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.39.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.39.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.34.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.24.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 22.59.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.65.1900 12845 101/1/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32.1900 12845 201/1/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32.1900 17	14198	9/22/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.86	1906
14198	12838	3/12/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		19.81	1906
12838 9/22/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1906 14198 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.44 1906 14198 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.34 1906 12845 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.34 1906 12845 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 26.55 1906 12845 7/30/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 26.55 1906 12845 101/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 25.36 1906 12845 101/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 25.36 1906 12845 101/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.36 1906 12845 101/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.36 1906 12848 9/26/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 23.34 1906 12848 9/26/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 22.42 1906 12845 8/14/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 22.59 1906 12845 8/14/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 22.59 1906 12845 8/14/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.65 1906 12845 8/14/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 27.65 1906 12845 8/14/2002 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 29.37 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 19.66 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 19.66 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/3/2003 00010 TEMPERATURE; WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/3/2003 00010 TEMPER	12845	6/4/2004 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.24	1906
12838 8/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.44 1906 14198 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 30.01 1908 12838 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1906 12838 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.55 1906 24.76 1906 24.7	14198	8/20/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		29.85	1906
14188 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 30.01 1906 12845 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1909 12845 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.55 1906 12848 10/1/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.78 1906 14198 10/1/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.36 1906 12845 10/1/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.18 1906 14198 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.18 1906 14198 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.39 1906 12845 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.39 1906 12845 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.25 1906 12845 9/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.56 1906 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.6 1900 12848 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.66 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 29.37 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.66 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.66 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.66 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.32 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.31 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.41 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.41 1906 12845 4/4/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.41 1906 12845 4/4/2003 00010 TEMPERAT	12838	9/22/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.59	1906
12838 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.34 1906 12845 7/30/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 26.55 1906 12838 10/1/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.78 1906 12845 10/1/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.81 1906 12845 10/1/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.81 1906 14198 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.96 1906 12848 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.96 1906 12848 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.96 1906 12845 9/26/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.59 1906 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 22.59 1906 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1906 12848 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 27.65 1906 12845 8/14/2002 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 29.37 1906 12845 8/14/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.66 1906 12845 2/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.66 1906 12845 2/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.66 1906 12845 2/20/2003 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.53 1906 14198 2/20/20/203 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.53 1906 14198 2/20/20/203 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.51 1906 12845 1/15/20/30 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.51 1906 12845 1/15/20/30 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.41 1906 12845 1/15/20/30 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.41 1906 12845 1/15/20/30 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 12.44 1906 12845 1/15/20/30 00010 TEMPERATURE, WATER (DEGREES CENTIGRADE) 1.24 1906 1/15/20/30 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 2.68 1906 1/15/20/20/	12838	8/20/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.44	1906
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14198	12845	7/30/2003 00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.55	1906
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14198 10/1/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 24.06 1906 12838 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 11.5 1906 12845 10/1/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.97 1906 14198 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 26.78 1906 12838 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 19.2 1906 12845 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 5.94 1906 14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			,			
12838 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 11.5 1906 12845 10/1/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.97 1906 14198 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 26.78 1906 12838 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 19.2 1906 12845 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 5.94 1906 14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			,			
12845 10/1/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.97 1906 14198 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 26.78 1906 12838 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 19.2 1906 12845 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 5.94 1906 14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			· · · · · · · · · · · · · · · · · · ·			
14198 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 26.78 1906 12838 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 19.2 1906 12845 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 5.94 1906 14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			· · · · · · · · · · · · · · · · · · ·			
12838 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 19.2 1906 12845 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 5.94 1906 14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			· · · · · · · · · · · · · · · · · · ·			
12845 9/26/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 5.94 1906 14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906						
14198 2/20/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 22.6 1906 12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			·			
12845 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.185 1906 12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906						
12838 8/14/2002 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 3.645 1906			,			
			·			
,,,,,,,,,	14198	8/14/2002 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)			
14198 7/30/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 20.29 1906			· · · · · · · · · · · · · · · · · · ·			
12845 6/4/2004 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 1.475 1906			· · · · · · · · · · · · · · · · · · ·			
12845 4/3/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 2.187 1906			· · · · · · · · · · · · · · · · · · ·			
14198 1/15/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 42.37 1906	14198	1/15/2003 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		42.37	1906
12838 5/14/2003 00061 FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) 7.69 1906	12838	5/14/2003 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		7.69	1906

12845 5/14/2003 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		0.05	1906
12838 6/4/2004 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)		5.721	
14198 5/14/2003 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)			1906
12838 4/3/2003 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)			1906
12838 6/4/2003 00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)			1906
	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC)			
12845 1/15/2003 00061			10.29	
12845 7/30/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12838 7/30/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
14198 7/30/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12845 8/20/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
14198 1/15/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	>		1906
14198 3/12/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)		0.45	1906
12838 8/20/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1906
12838 4/3/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)		1.5	1906
12838 5/14/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)		1	1906
12845 1/15/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1906
14198 10/1/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)		0.33	1906
12845 10/1/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
14198 5/14/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
14198 9/26/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12838 9/26/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12845 4/3/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12845 9/26/2002 00078				1906
	TRANSPARENCY, SECCHI DISC (METERS)			
12845 5/14/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12845 8/14/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)		0.375	
12838 8/14/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)		0.875	
12838 10/1/2002 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12838 3/12/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)			1906
12838 1/15/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	>	1	1906
12838 6/4/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)		1.1	1906
12845 9/23/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.1	1906
12838 9/22/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.1	1906
14198 8/20/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)		0.5	1906
14198 9/22/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	<	0.1	1906
14198 6/4/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)		0.396	
12845 3/12/2003 00078	TRANSPARENCY, SECCHI DISC (METERS)	>		1906
12845 3/12/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12845 9/26/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12845 4/3/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12845 10/1/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			
				1906
12838 2/20/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 9/26/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838 7/30/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 5/14/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 10/1/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12845 9/23/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838 4/3/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		808	1906
12845 8/14/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		970	1906
12838 1/15/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		865	1906
12845 5/14/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		909	1906
14198 2/20/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838 8/14/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 8/14/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 6/4/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838 9/26/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 4/3/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838 6/4/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C) SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			
				1906
12838 3/12/2003 00094	SPECIFIC CONDUCTANCE FIELD (UMHOS/CM @ 25C)			1906
14198 3/12/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 7/30/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 1/15/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838 9/22/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
14198 8/20/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12845 1/15/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		689	1906
				1906

14198	0/00/0000 00004	ODE OFFICE OF AN OFFICE BY A MAN LOCATION OF OFFICE		000	1000
40000	9/22/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838	8/20/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838	10/1/2002 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12845	7/30/2003 00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)			1906
12838	8/14/2002 00300	OXYGEN, DISSOLVED (MG/L)			1906
14198	8/14/2002 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	4/3/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	5/14/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	8/14/2002 00300	OXYGEN, DISSOLVED (MG/L)			1906
14198	2/20/2003 00300	OXYGEN, DISSOLVED (MG/L)		10.48	
14198	7/30/2003 00300	OXYGEN, DISSOLVED (MG/L)		8.2	1906
12845	9/23/2003 00300	OXYGEN, DISSOLVED (MG/L)		5.88	1906
12838	6/4/2003 00300	OXYGEN, DISSOLVED (MG/L)		4.59	1906
12845	2/20/2003 00300	OXYGEN, DISSOLVED (MG/L)		8.77	1906
14198	10/1/2002 00300	OXYGEN, DISSOLVED (MG/L)		6.93	1906
12838	10/1/2002 00300	OXYGEN, DISSOLVED (MG/L)		5.75	1906
12845	7/30/2003 00300	OXYGEN, DISSOLVED (MG/L)		6.28	1906
14198	9/22/2003 00300	OXYGEN, DISSOLVED (MG/L)		8.07	1906
12838	4/3/2003 00300	OXYGEN, DISSOLVED (MG/L)		11.4	1906
14198	9/26/2002 00300	OXYGEN, DISSOLVED (MG/L)		7.28	1906
14198	5/14/2003 00300	OXYGEN, DISSOLVED (MG/L)		9.48	1906
12838	7/30/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	9/26/2002 00300	OXYGEN, DISSOLVED (MG/L)			1906
12838	2/20/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12838	9/26/2002 00300	OXYGEN, DISSOLVED (MG/L)			1906
14198	1/15/2003 00300	OXYGEN, DISSOLVED (MG/L)		10.41	
12838	5/14/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
14198	6/4/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	10/1/2002 00300	OXYGEN, DISSOLVED (MG/L)			1906
12838	9/22/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12838	1/15/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	6/4/2004 00300	OXYGEN, DISSOLVED (MG/L)			1906
14198	3/12/2003 00300	OXYGEN, DISSOLVED (MG/L)		13.37	
12838	6/4/2004 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	1/15/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12838	3/12/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	3/12/2003 00300	OXYGEN, DISSOLVED (MG/L)			1906
12845	4/3/2003 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<		1906
14198	9/26/2002 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<		1906
14198	8/14/2002 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<		1906
12838	8/14/2002 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<		1906
12838	4/3/2003 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)		11	1906
12845	8/14/2002 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1906
14198	4/3/2003 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)		2	1906
12838	9/22/2003 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<		1906
14198	9/22/2003 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1906
12845	9/26/2002 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1906
			"		
12838	9/26/2002 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2	1906
12838 12845		BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)			1906 1906
			<	2	
12845	9/23/2003 00307	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD)	<	2 7.53	1906
12845 14198	9/23/2003 00307 6/4/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	7.53 7.49	1906 1906
12845 14198 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS) PH (STANDARD UNITS)	<	7.53 7.49 7.5	1906 1906 1906
12845 14198 12838 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS) PH (STANDARD UNITS) PH (STANDARD UNITS)	<	7.53 7.49 7.5 7.4	1906 1906 1906 1906
12845 14198 12838 12838 12845	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	7.53 7.49 7.5 7.4 7.28	1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 7/30/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	7.53 7.49 7.5 7.4 7.28 7.89	1906 1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198 12845	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 7/30/2003 00400 8/14/2002 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	7.53 7.49 7.5 7.4 7.28 7.89 7.15	1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198 12845 14198	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 7/30/2003 00400 8/14/2002 00400 2/20/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198 12845 14198 14198	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 7/30/2003 00400 8/14/2002 00400 2/20/2003 00400 5/14/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198 12845 14198 14198 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 7/30/2003 00400 8/14/2002 00400 2/20/2003 00400 5/14/2004 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75 7.79	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198 12845 14198 14198 12838 14198	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 7/30/2003 00400 8/14/2002 00400 2/20/2003 00400 5/14/2004 00400 1/15/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75 7.79 7.93	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12838 12845 12845 14198 12845 14198 14198 12838 14198 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 5/14/2004 00400 7/30/2003 00400 8/14/2002 00400 2/20/2003 00400 5/14/2003 00400 6/4/2004 00400 1/15/2003 00400 5/14/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75 7.79 7.93 7.87	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12845 12845 12845 14198 12845 14198 14198 12838 14198 12838 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 8/14/2002 00400 2/20/2003 00400 5/14/2003 00400 6/4/2004 00400 1/15/2003 00400 5/14/2003 00400 8/14/2003 00400 8/14/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75 7.79 7.93 7.87 7.6	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12845 12845 12845 14198 12845 14198 14198 12838 14198 12838 12838 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 8/14/2002 00400 2/20/2003 00400 5/14/2003 00400 6/4/2004 00400 1/15/2003 00400 5/14/2003 00400 5/14/2003 00400 8/14/2003 00400 9/22/2003 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75 7.79 7.93 7.87 7.6 7.71	1906 1906 1906 1906 1906 1906 1906 1906
12845 14198 12838 12845 12845 12845 14198 12845 14198 14198 12838 14198 12838 12838	9/23/2003 00307 6/4/2003 00400 6/4/2003 00400 1/15/2003 00400 6/4/2004 00400 5/14/2003 00400 8/14/2003 00400 2/20/2003 00400 5/14/2003 00400 6/4/2004 00400 1/15/2003 00400 5/14/2003 00400 5/14/2003 00400 8/14/2003 00400 9/22/2003 00400 10/1/2002 00400	BIOCHEM OXY DEM,INHIB, DISS(MG/L,5DAY-20C, CBOD) PH (STANDARD UNITS)	<	2 7.53 7.49 7.5 7.4 7.28 7.89 7.15 7.75 7.79 7.93 7.87 7.6 7.71	1906 1906 1906 1906 1906 1906 1906 1906

	7.35 7.61 7.43 8.34 7.35 7.69 7.35	1906 1906 1906 1906 1906 1906
	7.43 8.34 7.35 7.69 7.35	1906 1906 1906
	7.43 8.34 7.35 7.69 7.35	1906 1906 1906
	8.34 7.35 7.69 7.35	1906 1906
	7.35 7.69 7.35	1906
	7.69 7.35	
	7.35	14000
	7.53	1906
		1906
	6.9	1906
	7.27	1906
	7.44	1906
		1906
		1906
		1906
		_
		1906
		1906
		1906
	244	1906
	156	1906
	264	1906
	201.34	_
	228.98	_
	117.47	
	300.52	_
		_
	118.36	_
	238.44	_
	429.01	1906
	313.22	1906
	258.97	1906
	269.39	1906
	302.18	
	197.09	
	289.11	
		1906
		1906
	280.11	1906
	121	1906
	286.94	1906
	292.03	1906
	340	1906
	185.15	
	335.34	
		1906
		1906
	278.77	
	312.81	
	292.76	1906
	296	1906
	315.1	1906
		1906
		_
		1906
		1906
		1906
		1906
	7	1906
	0.15	1906
<	1	1906
		1906
<		1906
		1906
		_
		_
	. 01	1906
	< < <	315.1 247.4 277.13 472.39 66 23 24 5 7 0.15 < 1 0.22 < 0.1 < 1 < 0.03

12020	3/13/3003 00610	NITDOCENI AMMONIA TOTAL (MC/L ACNI)		1	1006
12838 12838	3/12/2003 00610 7/30/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906 1906
	1/15/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838		NITROGEN, AMMONIA, TOTAL (MG/L AS N)			
14198	1/15/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)			1906
12845	6/4/2003 00610 8/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12845		NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12845	4/3/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838	2/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)			1906
14198	9/22/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
14198	5/14/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838	9/22/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12845	7/30/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12845	3/12/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838	6/4/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838	4/3/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1906
12838	6/4/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1906
12838	8/14/2002 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1	1906
14198	7/30/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1906
12845	5/14/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1906
12845	2/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.02	1906
14198	6/4/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1906
14198	8/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1	1906
14198	3/12/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838	5/14/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<		1906
12838	6/4/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12838	6/4/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12845	4/3/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12838	8/14/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12845	8/14/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
14198	7/30/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
	9/22/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)			1906
12838			<		
12845	9/23/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
14198	4/3/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12845	7/30/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12845	5/14/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12845	6/4/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12845	3/12/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12838	5/14/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
14198	5/14/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
14198	6/4/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12838	3/12/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<		1906
12838	8/20/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
14198	8/20/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
12845	8/20/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
12838	7/30/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
14198	9/22/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
14198	3/12/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
12845	6/4/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
12838	4/3/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1	1906
14198	8/14/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.5	1906
14198	1/15/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1.11	1906
14198	5/14/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12845	8/20/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12838	5/14/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12838	8/14/2002 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<		1906
14198	9/22/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12838	3/12/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
14198	7/30/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12845	5/14/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12845	4/3/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N) NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12845	3/12/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12838	8/20/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
14198	8/20/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12838	7/30/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12845	6/4/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)			1906
12845	8/14/2002 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		26	1906

	=/22/22/22/2	NUTDITE BLUG NUTDATE BIOG A BET (MAG A AGAN)		
12845	7/30/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1906
14198	4/3/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1 1906
12838	4/3/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1906
12845	1/15/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		3 1906
12838	6/4/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	0.9	1 1906
12845	6/4/2004 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	< 0.0	1906
12838	1/15/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	1.80	1906
14198	3/12/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	2.73	1906
12838	9/22/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1906
12838	6/4/2004 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	< 0.09	1906
12845	9/23/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		1906
14198	8/14/2002 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	1.5	1906
14198	6/4/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	3.12	1906
12845	5/14/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
12845	4/3/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
14198	7/30/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
14198	5/14/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
12838	8/20/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		
		, ,		1 1906
12845	3/12/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
12838	5/14/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
12845	7/30/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		2 1906
14198	8/20/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
12838	3/12/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		3 1906
12845	9/23/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
12838	6/4/2004 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	0.02	1906
12838	7/30/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	0.05	1906
12845	6/4/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	< 0.0	1 1906
12838	6/4/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	< 0.0	1 1906
14198	9/22/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	0.22	3 1906
14198	3/12/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	0.028	1906
14198	4/3/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
12845	6/4/2004 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
12838	4/3/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
12838	8/14/2002 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
12838	9/22/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1906
14198	6/4/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
12845	8/20/2003 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
	8/14/2002 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		
14198		, ,		1906
12845	8/14/2002 00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)		1 1906
14198	8/20/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
14198	4/3/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
12845	6/4/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
14198		PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		3 1906
12838	8/20/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.04	1906
12845	5/14/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
12838	4/3/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.01	1906
12845	1/15/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.5	1 1906
12845	10/1/2002 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.0	1 1906
12838	7/30/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.02	1906
14198	3/12/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.0	1 1906
12845	6/4/2004 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	< 0.0	1 1906
12838	3/12/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
14198	1/15/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		3 1906
14198	10/1/2002 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
12838	2/20/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
12838	8/14/2002 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
12838	9/22/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
14198	6/4/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
12845	7/30/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
12838	6/4/2004 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		2 1906
		,		
12838	1/15/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
12838	10/1/2002 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1 1906
14198	5/14/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
12838	6/4/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		1906
10015	3/12/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	0.0	1 1906
12845 14198	8/14/2002 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	< 0.5	1906

4.4400	7/00/0000 00074	DUCCOULOU DUCCOULUED ORTHODUCCOULOUUCANO (LACE)		0.00	1000
14198		PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)			1906
12845		PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)			1906
12845		PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)			1906
14198		PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.116	
12845		PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.1	1906
12838	5/14/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.03	1906
12845	4/3/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)	<	0.01	1906
12845	2/20/2003 00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHORUS(MG/L AS P)		0.04	1906
14198	2/20/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		9.61	1906
12845		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
		, ,			
14198		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838	10/1/2002 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			1906
14198	10/1/2002 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.33	1906
12838	5/14/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.24	1906
14198	1/15/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.373	1906
14198	6/4/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.97	1906
14198		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12845	6/4/2004 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			1906
					1906
12845		CARBON, TOTAL ORGANIC (MG/L AS C)			
12838		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
14198		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838	3/12/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.67	1906
12845	5/14/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.61	1906
14198	8/20/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.34	1906
14198	3/12/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		11.47	1906
12845		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12845		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
	1/15/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			
12838				5.193	
12845	1/15/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12845		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12845	3/12/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.16	1906
12845	4/3/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		7.8	1906
12838	9/22/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	1906
12845	9/23/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		5.7	1906
12838	8/14/2002 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.2	1906
12845		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838	6/4/2004 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838	6/4/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.906	
12838		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
12838	4/3/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			1906
14198		CARBON, TOTAL ORGANIC (MG/L AS C)			1906
14198	9/22/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		6.6	1906
12845	6/4/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)			1906
14198	4/3/2003 00680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.8	1906
12845		Channel Flow Status 1=high 2-moderate 3=low 4=no flow			1906
14198		Channel Flow Status 1=high 2-moderate 3=low 4=no flow			1906
12838		Channel Flow Status 1=high 2-moderate 3=low 4=no flow			1906
12845		Channel Flow Status 1=high 2-moderate 3=low 4=no flow			1906
14198		Channel Flow Status 1=high 2-moderate 3=low 4=no flow Channel Flow Status 1=high 2-moderate 3=low 4=no flow			
	4/1/2003 00800	ů .	last		1906
12838		Statewide criteria IBI Score	Int		1906
14198	4/1/2003 00812	Statewide criteria IBI Score	Int		1906
14198		Statewide criteria IBI Score	Int		1906
12845	9/24/2002 00812	Statewide criteria IBI Score	Int	40	1906
12845	3/31/2003 00812	Statewide criteria IBI Score	Int	42	1906
12838	4/1/2003 00812	Statewide criteria IBI Score	Int	44	1906
12845		Number of native cyprinid species			1906
12845		Number of native cyprinid species			1906
14198		Number of native cyprinid species			1906
12838		·			1906
		Number of native cyprinid species			
14198		Number of native cyprinid species			1906
12838		Number of native cyprinid species			1906
12838	9/24/2002 00814	Number of benthic invertivore species		0	1906
14198	4/1/2003 00814	Number of benthic invertivore species		0	1906

14198	9/25/2002 00814	Number of benthic invertivore species		0 1906
12845	9/24/2002 00814	Number of benthic invertivore species Number of benthic invertivore species		0 1906
12838	4/1/2003 00814	Number of benthic invertivore species Number of benthic invertivore species		0 1906
12845		Percentage of individuals as tolerants ex.G.affinis	25	.9 1906
12845		<u> </u>		16 1906
14198		Percentage of individuals as tolerants ex.G.affinis		
12838		Percentage of individuals as tolerants ex.G.affinis		18 1906 24 1906
	9/24/2002 00816	Percentage of individuals as tolerants ex.G.affinis		
14198	4/1/2003 00816	Percentage of individuals as tolerants ex.G.affinis		.6 1906
12838	4/1/2003 00816	Percentage of individuals as tolerants ex.G.affinis		.2 1906
12838		Number of individuals/seine haul		.5 1906
14198	4/1/2003 00817	Number of individuals/seine haul		75 1906
12845		Number of individuals/seine haul		9 1906
12838	4/1/2003 00817	Number of individuals/seine haul		.5 1906
14198	9/25/2002 00817	Number of individuals/seine haul	·	19 1906
12845	3/31/2003 00817	Number of individuals/seine haul	86	.3 1906
12838	4/1/2003 00818	Number of individuals/min electrofishing	4	.2 1906
14198	4/1/2003 00818	Number of individuals/min electrofishing	3	.4 1906
14198	9/25/2002 00818	Number of individuals/min electrofishing	1	.3 1906
12838	9/24/2002 00818	Number of individuals/min electrofishing	2	.3 1906
12845	9/24/2002 00818	Number of individuals/min electrofishing	Ę.	.4 1906
12845		Number of individuals/min electrofishing		.4 1906
14198	4/1/2003 00819	Percentage of ind. as non-native species		.4 1906
12845		Percentage of ind. as non-native species		.5 1906
12838	4/1/2003 00819	Percentage of ind. as non-native species		.4 1906
12845		Percentage of ind. as non-native species		.1 1906
14198		Percentage of ind. as non-native species		.7 1906
12838		·		.6 1906
		Percentage of ind. as non-native species		
12845		Regional Criteria IBI Score	-	11 1906
14198	9/25/2002 00820	Regional Criteria IBI Score		37 1906
12838	9/24/2002 00820	Regional Criteria IBI Score		33 1906
12845	3/31/2003 00820	Regional Criteria IBI Score	-	1906
14198	4/1/2003 00820	Regional Criteria IBI Score	-	15 1906
12838	4/1/2003 00820	Regional Criteria IBI Score	Int :	38 1906
12838	4/1/2003 00832	Total RBP Score	Int :	28 1906
12845	9/24/2002 00832	Total RBP Score	Int :	22 1906
14198	9/25/2002 00832	Total RBP Score	Int 2	28 1906
12838	9/24/2002 00832	Total RBP Score	Lim 2	21 1906
14198	4/1/2003 00832	Total RBP Score	Int :	28 1906
12845	3/31/2003 00832	Total RBP Score	Int :	28 1906
12845	9/24/2002 00833	Habitat Quality Index	Hgh 2	21 1906
12845		Habitat Quality Index	-	19 1906
14198		Habitat Quality Index		19 1906
12838		Habitat Quality Index		15 1906
14198	4/1/2003 00833	Habitat Quality Index		21 1906
12838	4/1/2003 00833	Habitat Quality Index		15 1906
12845		CHLORIDE (MG/L AS CL)		54 1906
14198		CHLORIDE (MG/L AS CL)		43 1906
12845		· ·		
		CHLORIDE (MG/L AS CL)		.7 1906
12838		CHLORIDE (MG/L AS CL)		13 1906
12838		CHLORIDE (MG/L AS CL)		39 1906
14198		CHLORIDE (MG/L AS CL)		07 1906
12838		CHLORIDE (MG/L AS CL)		99 1906
14198		CHLORIDE (MG/L AS CL)		08 1906
12845		CHLORIDE (MG/L AS CL)		13 1906
12838		CHLORIDE (MG/L AS CL)		19 1906
14198		CHLORIDE (MG/L AS CL)		78 1906
14198	2/20/2003 00940	CHLORIDE (MG/L AS CL)	83.5	32 1906
14198	4/3/2003 00940	CHLORIDE (MG/L AS CL)	122.3	32 1906
12845	9/26/2002 00940	CHLORIDE (MG/L AS CL)	41.	35 1906
120-0	2/20/2003 00940	CHLORIDE (MG/L AS CL)	54.2	35 1906
12838		CHLORIDE (MG/L AS CL)		33 1906
	1/15/2003 00940	OFFICINIDE (MO/E AS OL)	JZ.	
12838		CHLORIDE (MG/L AS CL)		66 1906
12838 12838 12845	4/3/2003 00940	CHLORIDE (MG/L AS CL)	73.0	
12838 12838 12845 14198	4/3/2003 00940 9/22/2003 00940	CHLORIDE (MG/L AS CL) CHLORIDE (MG/L AS CL)	73.0	11 1906
12838 12838 12845	4/3/2003 00940 9/22/2003 00940 1/15/2003 00940	CHLORIDE (MG/L AS CL)	73.0 37.0	

12838	9/26/2002 00940	CHLORIDE (MG/L AS CL)	30.09 1906
12845	6/4/2003 00940	CHLORIDE (MG/L AS CL)	15.07 1906
14198	6/4/2003 00940	CHLORIDE (MG/L AS CL)	21.54 1906
14198	10/1/2002 00940	CHLORIDE (MG/L AS CL)	70.16 1906
12838	6/4/2004 00940	CHLORIDE (MG/L AS CL)	69 1906
12838	6/4/2003 00940	CHLORIDE (MG/L AS CL)	21.45 1906
12845	10/1/2002 00940	CHLORIDE (MG/L AS CL)	55.62 1906
14198	3/12/2003 00940	CHLORIDE (MG/L AS CL)	96.12 1906
12838	8/14/2002 00940	CHLORIDE (MG/L AS CL)	47.3 1906
12838	9/22/2003 00940	CHLORIDE (MG/L AS CL)	30 1906
12845	2/20/2003 00940	CHLORIDE (MG/L AS CL)	22.63 1906
12838	3/12/2003 00940	CHLORIDE (MG/L AS CL)	56.67 1906
12845	9/23/2003 00940	CHLORIDE (MG/L AS CL)	36 1906
14198	1/15/2003 00940	CHLORIDE (MG/L AS CL)	52.33 1906
12845	3/12/2003 00945	SULFATE (MG/L AS SO4)	34.11 1906
12845	9/23/2003 00945	SULFATE (MG/L AS SO4)	28 1906
12838	6/4/2004 00945	SULFATE (MG/L AS SO4)	73.6 1906
12838	9/22/2003 00945	SULFATE (MG/L AS SO4)	23 1906
12845	6/4/2004 00945	SULFATE (MG/L AS SO4)	62.6 1906
14198	2/20/2003 00945	SULFATE (MG/L AS SO4)	140.13 1906
12838			
	4/3/2003 00945 8/20/2003 00945	SULFATE (MG/L AS SO4)	75.85 1906
12845		SULFATE (MG/L AS SO4)	58.35 1906
12838	8/20/2003 00945	SULFATE (MG/L AS SO4)	48.36 1906
12838	3/12/2003 00945	SULFATE (MG/L AS SO4)	46.26 1906
14198	8/20/2003 00945	SULFATE (MG/L AS SO4)	152.57 1906
14198	3/12/2003 00945	SULFATE (MG/L AS SO4)	152.05 1906
12845	2/20/2003 00945	SULFATE (MG/L AS SO4)	4684 1906
14198	1/15/2003 00945	SULFATE (MG/L AS SO4)	93.91 1906
12838	2/20/2003 00945	SULFATE (MG/L AS SO4)	85.8 1906
14198	8/14/2002 00945	SULFATE (MG/L AS SO4)	180 1906
12838	6/4/2003 00945	SULFATE (MG/L AS SO4)	6.94 1906
12845	6/4/2003 00945	SULFATE (MG/L AS SO4)	6.63 1906
12845	7/30/2003 00945	SULFATE (MG/L AS SO4)	45.1 1906
14198	5/14/2003 00945	SULFATE (MG/L AS SO4)	182.39 1906
12845	5/14/2003 00945	SULFATE (MG/L AS SO4)	65.42 1906
12845	1/15/2003 00945	SULFATE (MG/L AS SO4)	47.33 1906
12838	7/30/2003 00945	SULFATE (MG/L AS SO4)	33.69 1906
14198	4/3/2003 00945	SULFATE (MG/L AS SO4)	179.76 1906
14198	9/22/2003 00945	SULFATE (MG/L AS SO4)	33 1906
12845	8/14/2002 00945	SULFATE (MG/L AS SO4)	74.5 1906
12845	4/3/2003 00945	SULFATE (MG/L AS SO4)	62.29 1906
14198	6/4/2003 00945	SULFATE (MG/L AS SO4)	154.96 1906
14198	7/30/2003 00945	SULFATE (MG/L AS SO4)	97.05 1906
12838	8/14/2002 00945	SULFATE (MG/L AS SO4)	67.5 1906
12838	1/15/2003 00945	SULFATE (MG/L AS SO4)	63.62 1906
14198	1/15/2003 00343	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	5 1906
12845	8/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	2 1906
12838	8/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	2 1906
	9/22/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	5 1906
12838		FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	
14198	8/20/2003 01351		3 1906
12838	3/12/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12845	3/12/2003 01351	FLOW:1=No Flow;2=Low;3=Normal,4=Flood,5=High,6=D	3 1906
14198	9/22/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	5 1906
12845	9/23/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	5 1906
12838	1/15/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	5 1906
12838	6/4/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12838	6/4/2004 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12838	4/3/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
14198	6/4/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12845	1/15/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	5 1906
12838	5/14/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12845	5/14/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12845	4/3/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
14198	2/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12838	2/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3 1906
12030	_,,	. 2011.1 110 1101.j2 2011,0 1101111a.j. 1 100a.jo 1 11g.1,0 2	0,.000

	2/22/22/24/24			
12845		FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
14198	4/3/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
12845	6/4/2004 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
14198		FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
12845	10/1/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3	1906
12838	9/26/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3	1906
12838	8/14/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	2	1906
12838	7/30/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3	1906
12845	8/14/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	2	1906
14198	8/14/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3	1906
12845	7/30/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D	3	1906
14198		FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
14198	10/1/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
14198	7/30/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
12838	10/1/2002 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
12845		FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		1906
12838	4/3/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
14198	4/3/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12838	7/30/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12838	3/12/2003 31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML		1906
12845	1/15/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12838	1/15/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12845	5/14/2003 31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH, #/100ML	23	1906
14198	5/14/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	12	1906
12845	3/12/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	120	1906
12845	6/4/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	153500	1906
14198	6/4/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	560	1906
12838	6/4/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	26400	1906
12845	7/30/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
14198	7/30/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12838	5/14/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12845	10/1/2002 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
	3/12/2003 31616			
14198		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12845	4/3/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12838		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12845		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12845	9/23/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
14198		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
14198	10/1/2002 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	72	1906
14198	8/14/2002 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	102	1906
12838	9/22/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	700	1906
12838	10/1/2002 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	210	1906
14198	2/20/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	27	1906
12838		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML	84	1906
12845	2/20/2003 31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
14198		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
14198		FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, #/100ML		1906
12845	6/4/2004 31648	E. COLI, MTEC, MF, #/100 ML		1906
14198		E. COLI, MTEC, MF, #/100 ML		1906
12838		E. COLI, MTEC, MF, #/100 ML		1906
	6/4/2004 31648	E. COLI, MTEC, MF, #/100 ML		
12838				1906
12845		E. COLL COLL EDT. IDEXX METHOD MPN/400MI		1906
12845		E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1906
12838		E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1906
12838		E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1906
12838		E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1906
14198		E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	517.2	
14198	10/1/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		1906
14198	5/14/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	9.6	1906
12845	10/1/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	25.9	1906
	9/26/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	79.4	1906
12838				1906
	8/14/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	101.0	
12838 12845				1906
12838 12845 14198	6/4/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	> 2419.2	
12838 12845	6/4/2003 31699 5/14/2003 31699		> 2419.2	1906

	2/22/2222	E COLL COLLEGE IN ENVIOLENCE LINEAU L		
12838	2/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		88.4 1906
12845	1/15/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		920.8 1906
12838	6/4/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		34.5 1906
12845	9/26/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		101.7 1906
12845	2/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		17.5 1906
14198	8/14/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		100.8 1906
14198	2/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		21.6 1906
12838	3/12/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		142.1 1906
12845	7/30/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		70.6 1906
12838	7/30/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		613.1 1906
12838	8/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		42.2 1906
12845	8/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		40.4 1906
14198	8/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		24.7 1906
14198	3/12/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		67 1906
14198	7/30/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		41.3 1906
14198	8/20/2003 32211			0.25 1906
		CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	
12838	8/14/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2 1906
12845	4/3/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	2/20/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	9/26/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	5/14/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	5/14/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	8/14/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2 1906
14198	9/26/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
14198	5/14/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
14198	10/1/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	6/4/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	8/20/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	6/4/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	9/26/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	9/23/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		1.29 1906
14198	2/20/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	3/12/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	10/1/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	6/4/2004 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		7.48 1906
14198	8/14/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	2 1906
14198	4/3/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	10/1/2002 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	4/3/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	9/22/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		2.348 1906
14198	9/22/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		5.082 1906
12838	2/20/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	3/12/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
14198	6/4/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
14198	3/12/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12838	6/4/2004 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH		5.87 1906
12838	7/30/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	8/20/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
14198	7/30/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	7/30/2003 32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH	<	0.25 1906
12845	8/14/2002 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		1.6 1906
12838	2/20/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		0.25 1906
			<	
12845 12845	10/1/2002 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906
	6/4/2004 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		3.36 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		
12845	9/26/2002 32218		<	0.25 1906
12845 12845	3/12/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906
12845		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH. PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		0.25 1906 0.25 1906
12845 12845	3/12/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906
12845 12845 12845	3/12/2003 32218 5/14/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH. PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< <	0.25 1906 0.25 1906
12845 12845 12845 12845	3/12/2003 32218 5/14/2003 32218 2/20/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH. PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH. PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< < <	0.25 1906 0.25 1906 0.25 1906
12845 12845 12845 12845 12845	3/12/2003 32218 5/14/2003 32218 2/20/2003 32218 7/30/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< < < <	0.25 1906 0.25 1906 0.25 1906 0.25 1906
12845 12845 12845 12845 12845 12838 12838	3/12/2003 32218 5/14/2003 32218 2/20/2003 32218 7/30/2003 32218 10/1/2002 32218 8/20/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906
12845 12845 12845 12845 12845 12838 12838 12845	3/12/2003 32218 5/14/2003 32218 2/20/2003 32218 7/30/2003 32218 10/1/2002 32218 8/20/2003 32218 9/23/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 1 1906
12845 12845 12845 12845 12845 12838 12838 12845 12838	3/12/2003 32218 5/14/2003 32218 2/20/2003 32218 7/30/2003 32218 10/1/2002 32218 8/20/2003 32218 9/23/2003 32218 7/30/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 1 1906 0.25 1906
12845 12845 12845 12845 12845 12838 12838 12845	3/12/2003 32218 5/14/2003 32218 2/20/2003 32218 7/30/2003 32218 10/1/2002 32218 8/20/2003 32218 9/23/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 0.25 1906 1 1906

		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	2 1906
12838 9/	22/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1 1906
14198 9/	22/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	<	1 1906
14198 7/	30/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
14198 10	0/1/2002 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		25 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		25 1906
12845 4	4/3/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
14198 4	4/3/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
14198 8/	20/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
14198 9/		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		47 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		25 1906
14198 8/	14/2002 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	3	3.2 1906
12838 9/	26/2002 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
12845 6	6/4/2003 32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		25 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.		25 1906
		PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	< 0.	25 1906
12838 9/	24/2002 72052	STREAMBED SLOPE (FT/FT)	0.00	12 1906
12838 4	4/1/2003 72052	STREAMBED SLOPE (FT/FT)	0.00	12 1906
		STREAMBED SLOPE (FT/FT)		35 1906
		STREAMBED SLOPE (FT/FT)		35 1906
		,		
		STREAMBED SLOPE (FT/FT)		12 1906
12845 3/	31/2003 72052	STREAMBED SLOPE (FT/FT)	0.00	35 1906
14198 4	4/1/2003 72052	STREAMBED SLOPE (FT/FT)	0.00	24 1906
14198 9/	25/2002 72052	STREAMBED SLOPE (FT/FT)	0.00	24 1906
		STREAMBED SLOPE (FT/FT)		24 1906
			0.00	
		DAYS SINCE PRECIPITATION EVENT (DAYS)		2 1906
14198 9/	26/2002 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		7 1906
12838 6	6/4/2004 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7 1906
12838 5/	14/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14 1906
		DAYS SINCE PRECIPITATION EVENT (DAYS)	-	2 1906
		, ,		
		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14 1906
12845	6/4/2004 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7 1906
12845 7/	/30/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		3 1906
12845 1/	15/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		2 1906
			>	14 1906
		, ,		
		DAYS SINCE PRECIPITATION EVENT (DAYS)		3 1906
		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14 1906
14198	6/4/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		1 1906
12838 6	6/4/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		1 1906
		DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1 1906
		DAYS SINCE PRECIPITATION EVENT (DAYS)		
		, ,	<	1 1906
		DAYS SINCE PRECIPITATION EVENT (DAYS)	<	1 1906
12838 8/	20/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14 1906
12845 5/	14/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14 1906
14198 7/	30/2003 72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		3 1906
		STREAM FLOW ESTIMATE (CFS)		29 1906
		, ,		
		STREAM FLOW ESTIMATE (CFS)		2 1906
		BENTHIC SCRAPERS (% OF COMMUNITY)		5.2 1906
12838 9/	21/2003 834	BENTHIC SCRAPERS (% OF COMMUNITY)	9.	61 1906
12845 9/	21/2003 834	BENTHIC SCRAPERS (% OF COMMUNITY)	16	3.8 1906
		NUMBER OF IN STREAM COVER TYPES		6 1906
		NUMBER OF IN STREAM COVER TYPES		7 1906
		NUMBER OF IN STREAM COVER TYPES		8 1906
14198 4	4/1/2003 84159	AVERAGE PERCENTAGE INSTREAM COVER		18 1906
12845 3/	/31/2003 84159	AVERAGE PERCENTAGE INSTREAM COVER		27 1906
		AVERAGE PERCENTAGE INSTREAM COVER		6 1906
		AVERAGE PERCENTAGE INSTREAM COVER		51 1906
		AVERAGE PERCENTAGE INSTREAM COVER		16 1906
14198 9/	25/2002 84159	AVERAGE PERCENTAGE INSTREAM COVER		16 1906
14198 9/	20/2003 84159	AVERAGE PERCENTAGE INSTREAM COVER		30 1906
		AVERAGE PERCENTAGE INSTREAM COVER		18 1906
		AVERAGE PERCENTAGE INSTREAM COVER		29 1906
14198 4	4/1/2003 84161	STREAM ORDER	I I	3 1906

12838	9/21/2003 84161	STREAM ORDER	3 1906
12838	4/1/2003 84161	STREAM ORDER	3 1906
12838	9/24/2002 84161	STREAM ORDER	3 1906
14198	9/20/2003 84161	STREAM ORDER	3 1906
12845	3/31/2003 84161	STREAM ORDER	3 1906
14198	9/25/2002 84161	STREAM ORDER	3 1906
12845	9/24/2002 84161	STREAM ORDER	3 1906
12845	9/21/2003 84161	STREAM ORDER	3 1906
12845	9/21/2003 89832	NUMBER OF LATERAL TRANSECTS MADE	5 1906
12838	9/21/2003 89832	NUMBER OF LATERAL TRANSECTS MADE	5 1906
12845	9/24/2002 89832	NUMBER OF LATERAL TRANSECTS MADE	5 1906
14198	9/25/2002 89832	NUMBER OF LATERAL TRANSECTS MADE	6 1906
12838			
14198	4/1/2003 89832	NUMBER OF LATERAL TRANSECTS MADE	5 1906 3 1906
	9/20/2003 89832	NUMBER OF LATERAL TRANSECTS MADE	
12838	9/24/2002 89832	NUMBER OF LATERAL TRANSECTS MADE	5 1906
14198	4/1/2003 89832	NUMBER OF LATERAL TRANSECTS MADE	6 1906
12845	3/31/2003 89832	NUMBER OF LATERAL TRANSECTS MADE	5 1906
14198	9/26/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	5/14/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	6/4/2004 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	2/20/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	9/26/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	9/22/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	9/23/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	3/12/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	8/20/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	1/15/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	5/14/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	1/15/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	4/3/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	9/22/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	2/20/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	5/14/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	7/30/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	4/3/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	6/4/2004 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	8/20/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	4/3/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	10/1/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	8/14/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	4 1906
12845	2/20/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	7/30/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	10/1/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	3/12/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	8/14/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	4 1906
12845	8/14/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	4 1906
12845	1/15/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	10/1/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	6/4/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	3/12/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12838	7/30/2003 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
12845	9/26/2002 89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 1906
14198	9/25/2002 89839	TOTAL NUMBER OF STREAM BENDS	2 1906
12838	4/1/2003 89839	TOTAL NUMBER OF STREAM BENDS	1 1906
12845	9/21/2003 89839	TOTAL NUMBER OF STREAM BENDS	1 1906
12838	9/24/2002 89839	TOTAL NUMBER OF STREAM BENDS	1 1906
14198	4/1/2003 89839	TOTAL NUMBER OF STREAM BENDS	2 1906
12845	9/24/2002 89839	TOTAL NUMBER OF STREAM BENDS	1 1906
12845		TOTAL NUMBER OF STREAM BENDS	1 1906
14198	9/20/2003 89839	TOTAL NUMBER OF STREAM BENDS	2 1906
12838		TOTAL NUMBER OF STREAM BENDS	1 1906
12845	9/24/2002 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
12838	4/1/2003 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
12838	9/21/2003 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
14198	4/1/2003 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
17130	9/20/2003 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906

12838	9/24/2002 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
14198	9/25/2002 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
12845	9/21/2003 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
12845	3/31/2003 89840	NUMBER OF WELL DEFINED STREAM BENDS	0 1906
12845	9/24/2002 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0 1906
12838	9/24/2002 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0 1906
		NUMBER OF MODERATELY DEFINED STREAM BENDS	
12838	9/21/2003 89841		0 1906
12845	9/21/2003 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0 1906
12845	3/31/2003 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0 1906
12838	4/1/2003 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	0 1906
14198	4/1/2003 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	1 1906
14198	9/25/2002 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	2 1906
14198	9/20/2003 89841	NUMBER OF MODERATELY DEFINED STREAM BENDS	1 1906
12838	4/1/2003 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
14198	4/1/2003 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
12845	9/24/2002 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
12838	9/24/2002 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
12838	9/21/2003 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
14198	9/25/2002 89842	NUMBER OF POORLY DEFINED STREAM BENDS	0 1906
14198	9/20/2003 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
12845	3/31/2003 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
12845	9/21/2003 89842	NUMBER OF POORLY DEFINED STREAM BENDS	1 1906
12838	9/21/2003 89843	TOTAL NUMBER OF RIFFLES	1 1906
12838	4/1/2003 89843	TOTAL NUMBER OF RIFFLES	0 1906
14198	9/25/2002 89843	TOTAL NUMBER OF RIFFLES	1 1906
14198			
	4/1/2003 89843	TOTAL NUMBER OF RIFFLES	2 1906
12845	3/31/2003 89843	TOTAL NUMBER OF RIFFLES	2 1906
12845	9/24/2002 89843	TOTAL NUMBER OF RIFFLES	2 1906
12845	9/21/2003 89843	TOTAL NUMBER OF RIFFLES	1 1906
14198	9/20/2003 89843	TOTAL NUMBER OF RIFFLES	1 1906
12838	9/24/2002 89843	TOTAL NUMBER OF RIFFLES	0 1906
14198	9/20/2003 89844	DOMINANT SUBSTRATE TYPE	5 1906
14198	9/25/2002 89844	DOMINANT SUBSTRATE TYPE	2 1906
12845	9/24/2002 89844	DOMINANT SUBSTRATE TYPE	4 1906
12838	9/21/2003 89844	DOMINANT SUBSTRATE TYPE	2 1906
14198	4/1/2003 89844	DOMINANT SUBSTRATE TYPE	2 1906
12845	3/31/2003 89844	DOMINANT SUBSTRATE TYPE	5 1906
12838	9/24/2002 89844	DOMINANT SUBSTRATE TYPE	3 1906
12845	9/21/2003 89844	DOMINANT SUBSTRATE TYPE	4 1906
12838	4/1/2003 89844	DOMINANT SUBSTRATE TYPE	4 1906
14198	4/1/2003 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	50 1906
12838	9/21/2003 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	42 1906
		AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	76 1906
12845	3/31/2003 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	77 1906
12845	9/24/2002 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	88 1906
12838	9/24/2002 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	42 1906
	9/20/2003 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	48 1906
12838	4/1/2003 89845	AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	50 1906
14198		AVERAGE PERCENT OF SUBSTRATE GRAVEL SIZE OR LARG	32 1906
12845		AVERAGE STREAM BANK EROSION (%)	87 1906
	9/24/2002 89846	AVERAGE STREAM BANK EROSION (%)	52 1906
12838		AVERAGE STREAM BANK EROSION (%)	83 1906
12845		AVERAGE STREAM BANK EROSION (%)	48 1906
14198	4/1/2003 89846	AVERAGE STREAM BANK EROSION (%)	88 1906
12838	9/21/2003 89846	AVERAGE STREAM BANK EROSION (%)	80 1906
12838	4/1/2003 89846	AVERAGE STREAM BANK EROSION (%)	71 1906
14198	9/25/2002 89846	AVERAGE STREAM BANK EROSION (%)	83 1906
14198	9/20/2003 89846	AVERAGE STREAM BANK EROSION (%)	80 1906
	9/21/2003 89847	AVERAGE STREAM BANK SLOPE (DEGREES)	33 1906
12838	4/1/2003 89847	AVERAGE STREAM BANK SLOPE (DEGREES)	45 1906
12845		AVERAGE STREAM BANK SLOPE (DEGREES)	34 1906
12845		AVERAGE STREAM BANK SLOPE (DEGREES)	27 1906
		AVERAGE STREAM BANK SLOPE (DEGREES)	57 1906
12845	5/2 //2002 000TI		
12845	9/24/2002 808/17	AVERAGE STREAM BANK SLOPE (DEGREES)	hiii ui h
12838	9/24/2002 89847 9/20/2003 89847	AVERAGE STREAM BANK SLOPE (DEGREES) AVERAGE STREAM BANK SLOPE (DEGREES)	50 1906 53 1906

14198 4/1/2003 89847	AVERAGE STREAM BANK SLOPE (DEGREES)	41 1906
12838 9/21/2003 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	2 1906
12838 9/24/2002 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	6 1906
12838 4/1/2003 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	5 1906
14198 9/20/2003 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	13 1906
14198 9/25/2002 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	17 1906
12845 9/24/2002 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	15.5 1906
12845 9/21/2003 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	13 1906
12845 3/31/2003 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	9 1906
14198 4/1/2003 89849	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION	8 1906
12838 9/24/2002 89850	AVERAGE PERCENT TREES AS RIPARIAN VEGETATION AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	
		1 1906
14198 9/20/2003 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	17 1906
12845 9/24/2002 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	5.5 1906
14198 9/25/2002 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	3 1906
12838 4/1/2003 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	1 1906
12838 9/21/2003 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	1 1906
12845 9/21/2003 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	8 1906
12845 3/31/2003 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	2 1906
14198 4/1/2003 89850	AVERAGE PERCENT SHRUBS AS RIPARIAN VEGETATION	2 1906
12838 9/21/2003 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	65 1906
12845 9/24/2002 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	36 1906
12838 9/24/2002 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	36 1906
14198 9/25/2002 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	42 1906
12845 3/31/2003 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	29 1906
14198 9/20/2003 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	52 1906
12838 4/1/2003 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	66 1906
14198 4/1/2003 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	73 1906
12845 9/21/2003 89851	AVERAGE PERCENT GRASS AS RIPARIAN VEGETATION	70 1906
14198 9/20/2003 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	18 1906
12838 4/1/2003 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	18 1906
14198 4/1/2003 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	17 1906
14198 9/25/2002 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	38 1906
12845 9/21/2003 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	9 1906
12838 9/21/2003 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	31 1906
12838 9/24/2002 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	57 1906
12845 3/31/2003 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	60 1906
12845 9/24/2002 89853	AVERAGE PERCENT OTHER AS RIPARIAN VEGETATION	43 1906
14198 9/25/2002 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	16 1906
12845 3/31/2003 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	1 1906
	AVERAGE PERCENTAGE OF TREE CANODY COVERAGE	11 1906
12838 4/1/2003 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	29 1906
14198 4/1/2003 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	16 1906
12838 9/24/2002 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	35 1906
12845 9/24/2002 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	12 1906
14198 9/20/2003 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	2 1906
12845 9/21/2003 89854	AVERAGE PERCENTAGE OF TREE CANOPY COVERAGE	38 1906
12838 6/4/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	3.25 1906
12845 9/26/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.33 1906
12845 7/29/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.57 1906
14198 10/1/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.84 1906
12845 3/12/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.95 1906
14198 2/20/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.57 1906
12845 10/1/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.95 1906
12838 3/12/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.56 1906
12845 9/23/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.86 1906
14198 9/26/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.26 1906
14198 9/22/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.99 1906
14198 3/12/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.47 1906
12838 9/22/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.93 1906
12838 9/26/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.47 1906
12838 4/3/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.65 1906
14198 5/14/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.11 1906
14198 1/15/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.69 1906
12845 6/4/2004 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.62 1906
12845 8/19/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.05 1906
		3.8 1906

40045	4/0/0000 00055	DIOCOLLYED CYCYCENI CALLOLID MINI (MO/L) MINI AMEA	0.074000
12845	4/3/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.07 1906
12838	7/29/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.24 1906
14198	7/29/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.1 1906
12838	1/15/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.82 1906
12838	6/4/2004 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.23 1906
12845	1/15/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.42 1906
12838	8/14/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.25 1906
12838	2/20/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.97 1906
12838	5/14/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.86 1906
14198	8/14/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.53 1906
12845	2/20/2003 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.82 1906
12838	10/1/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.65 1906
12845	8/14/2002 89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.53 1906
12845	10/1/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.44 1906
14198	10/1/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.96 1906
12838	1/15/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	11.11 1906
14198	8/14/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	10.05 1906
14198	3/12/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	13.37 1906
14198	1/15/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	11.29 1906
14198	9/26/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.67 1906
12838	2/20/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	11.25 1906
14198	2/20/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	11.27 1906
12845	8/14/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7 1906
12838	3/12/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.51 1906
12845	3/12/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.85 1906
12838	9/26/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.9 1906
12838	8/14/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.8 1906
12845	2/20/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.93 1906
12845	9/26/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.46 1906
12838	10/1/2002 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.51 1906
12845	1/15/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.82 1906
12845	6/4/2004 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.61 1906
14198	7/29/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.35 1906
12838	9/22/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.51 1906
12838	7/29/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.56 1906
12845	9/23/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	6.7 1906
12838	6/4/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.85 1906
12845	8/19/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.03 1906
12838	5/14/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.66 1906
14198	9/22/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.49 1906
14198	5/14/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	11.68 1906
12838	6/4/2004 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	9.71 1906
12845	5/14/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	7.1 1906
12845	4/3/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	12.98 1906
12838	4/3/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	12.2 1906
	7/29/2003 89856	DISSOLVED OXYGEN, 24-HOUR MAX. (MG/L) MIN. 4 MEA	8.48 1906
12845	7/29/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.72 1906
12838	2/20/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.04 1906
12845	1/15/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.23 1906
14198	2/20/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.22 1906
	7/29/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	
12838 14198			4.96 1906 7.84 1906
	10/1/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	
14198	7/29/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.15 1906
12845	8/19/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.92 1906
12845	2/20/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.17 1906
14198	9/22/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.17 1906
12838	6/4/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.74 1906
12838	5/14/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.17 1906
14198	5/14/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9 1906
12845	5/14/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.67 1906
12845	4/3/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	10.66 1906
12838	4/3/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.27 1906
12838	9/22/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.22 1906
14198	9/26/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.21 1906
12845	3/12/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	8.49 1906
12838	10/1/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.39 1906

12015	8/14/2002 89857	DISSOLVED OVVCEN, 24 HOUR AVC. (MC/L) MINL 4 MEA	6 22 1006
12845 12845	9/23/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.32 1906
12838		DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	6.21 1906
	1/15/2003 89857		9.8 1906
12838	3/12/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.51 1906
12845	9/26/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.9 1906
14198	3/12/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	9.14 1906
12838	9/26/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.01 1906
12838	8/14/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.14 1906
14198	8/14/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.7 1906
12845	10/1/2002 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	5.6 1906
12845	6/4/2004 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.35 1906
14198	1/15/2003 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	10.25 1906
12838	6/4/2004 89857	DISSOLVED OXYGEN, 24-HOUR AVG. (MG/L) MIN. 4 MEA	7.7 1906
14198	8/14/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	5/14/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	8/14/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	5/14/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	4/3/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	97 1906
12845	6/4/2004 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	8/14/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	6/4/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	97 1906
14198	5/14/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-FIRS	96 1906
12838	3/12/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	10/1/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	1/15/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
14198	10/1/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	10/1/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	4/3/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	97 1906
14198	3/12/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
14198	9/26/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	95 1906
12845	9/26/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	95 1906
14198	7/29/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	9/23/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	8/19/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	3/12/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	9/22/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	9/26/2002 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	95 1906
14198	9/22/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	7/29/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845	1/15/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	7/29/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
14198	2/20/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
	1/15/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	6/4/2004 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	2/20/2003 89858	DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12845		DISSOLVED OXYGEN, # OF MEASUREMENTS IN 24-HRS	96 1906
12838	4/1/2003 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	536 1906
14198		DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	611 1906
12838		DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	535.9 1906
12845	9/24/2002 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	492 1906
12845	9/21/2003 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	492 1906
14198	4/1/2003 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	611 1906
14198	9/20/2003 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	611 1906
12845	3/31/2003 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	492 1906
12838	9/21/2003 89859	DRAINAGE AREA ABOVE MOST DOWNSTREAM TRANSECT (KM	536 1906
		LENGTH OF STREAM EVALUATED (KM)	0.25 1906
	9/20/2003 89860	LENGTH OF STREAM EVALUATED (KM)	0.15 1906
12838	9/24/2002 89860	LENGTH OF STREAM EVALUATED (KM)	0.25 1906
	9/25/2002 89860	LENGTH OF STREAM EVALUATED (KM)	0.375 1906
12845		LENGTH OF STREAM EVALUATED (KM)	0.26 1906
		LENGTH OF STREAM EVALUATED (KM)	0.26 1906
	4/1/2003 89860	LENGTH OF STREAM EVALUATED (KM)	0.375 1906
12845			
14198		I ENGTH OF STREAM EVALUATED (KM)	
14198 12845	9/24/2002 89860	LENGTH OF STREAM EVALUATED (KM)	0.26 1906
14198	9/24/2002 89860 4/1/2003 89860	LENGTH OF STREAM EVALUATED (KM) LENGTH OF STREAM EVALUATED (KM) AVERAGE STREAM WIDTH (METERS)	0.25 1906 0.25 1906 9.22 1906

40045	0/04/0000 00004	AVED A OF OTDE ANAVAUDTLE (METERO)		440	1000
12845	9/21/2003 89861	AVERAGE STREAM WIDTH (METERS) AVERAGE STREAM WIDTH (METERS)			1906
12838	9/21/2003 89861	- 7			1906
12845	9/24/2002 89861	AVERAGE STREAM WIDTH (METERS)			1906
12838	4/1/2003 89861	AVERAGE STREAM WIDTH (METERS)			1906
12845	3/31/2003 89861	AVERAGE STREAM WIDTH (METERS)			1906
14198	9/20/2003 89861	AVERAGE STREAM WIDTH (METERS)			1906
14198	4/1/2003 89861	AVERAGE STREAM WIDTH (METERS)			1906
12845	9/21/2003 89862	AVERAGE STREAM DEPTH (METERS)		0.31	1906
14198	9/25/2002 89862	AVERAGE STREAM DEPTH (METERS)		0.78	1906
12845	9/24/2002 89862	AVERAGE STREAM DEPTH (METERS)		1.23	1906
12838	9/24/2002 89862	AVERAGE STREAM DEPTH (METERS)		0.91	1906
12838	9/21/2003 89862	AVERAGE STREAM DEPTH (METERS)			1906
14198	4/1/2003 89862	AVERAGE STREAM DEPTH (METERS)			1906
14198	9/20/2003 89862	AVERAGE STREAM DEPTH (METERS)			1906
12838	4/1/2003 89862	AVERAGE STREAM DEPTH (METERS)			1906
12845	3/31/2003 89862	,			1906
		AVERAGE STREAM DEPTH (METERS)			
12838	9/24/2002 89864	MAXIMUM POOL WIDTH (METERS)			1906
12845	9/24/2002 89864	MAXIMUM POOL WIDTH (METERS)			1906
14198	9/25/2002 89864	MAXIMUM POOL WIDTH (METERS)			1906
12838	9/21/2003 89864	MAXIMUM POOL WIDTH (METERS)		16	1906
12838	4/1/2003 89864	MAXIMUM POOL WIDTH (METERS)		16	1906
14198	9/20/2003 89864	MAXIMUM POOL WIDTH (METERS)		14	1906
14198	4/1/2003 89864	MAXIMUM POOL WIDTH (METERS)		15	1906
12845	3/31/2003 89864	MAXIMUM POOL WIDTH (METERS)		19	1906
12845	9/21/2003 89864	MAXIMUM POOL WIDTH (METERS)			1906
14198	4/1/2003 89865	MAXIMUM POOL DEPTH (METERS)	>		1906
12845	9/21/2003 89865	MAXIMUM POOL DEPTH (METERS)	>		1906
		` /			
14198	9/20/2003 89865	MAXIMUM POOL DEPTH (METERS)	>		1906
12838	9/21/2003 89865	MAXIMUM POOL DEPTH (METERS)	>		1906
12838	9/24/2002 89865	MAXIMUM POOL DEPTH (METERS)	>		1906
12845	9/24/2002 89865	MAXIMUM POOL DEPTH (METERS)	>	1	1906
14198	9/25/2002 89865	MAXIMUM POOL DEPTH (METERS)	>	1	1906
12838	4/1/2003 89865	MAXIMUM POOL DEPTH (METERS)	>	1	1906
12845	3/31/2003 89865	MAXIMUM POOL DEPTH (METERS)	>	1	1906
12845	9/21/2003 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)		15	1906
12838	9/24/2002 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)			1906
12845	9/24/2002 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)			1906
14198	9/25/2002 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>		1906
12845	3/31/2003 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)			1906
		` '			
14198	9/20/2003 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>		1906
12838	4/1/2003 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)			1906
12838	9/21/2003 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)			1906
14198	4/1/2003 89866	AVERAGE WIDTH OF NATURAL RIPARIAN VEGETATION (M)	>	20	1906
14198	9/20/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2	1906
12838	9/24/2002 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1906
12845	9/24/2002 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3	1906
12838	9/21/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)			1906
12845	3/31/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)			1906
12838	4/1/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)			1906
14198	4/1/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)			1906
		,			
12845	9/21/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)			1906
14198	9/25/2002 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)			1906
14198	9/20/2003 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET			1906
14198	4/1/2003 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET			1906
12845	3/31/2003 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		1	1906
14198	9/25/2002 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	1906
12845	9/24/2002 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET		4	1906
12838	9/21/2003 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET			1906
12838	4/1/2003 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET			1906
12845	9/21/2003 89899	#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET			1906
12838	9/24/2002 89899				1906
		#IND/1=SUBSAMPLE,2=SQFT,3=SQMTR,4=TOTAL KICKNET			
14198	4/1/2003 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED			1906
12838	9/24/2002 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED			1906
14198	9/20/2003 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED			1906
12838	4/1/2003 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1906
		DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	

12838	9/21/2003 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		60	1906
12845	3/31/2003 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		30	1906
12845	9/21/2003 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		15	1906
12845	9/24/2002 89905	DEBRIS/SHORELINE SAMPLING EFFORT, MINUTES PICKED		0	1906
12838	9/24/2002 89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		12	1906
12845	9/21/2003 89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)		104	1906
12845		NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
14198		NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
12845		NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
14198		NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
14198	4/1/2003 89906	NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
	4/1/2003 89906	` '			
12838		NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
12838		NUMBER OF INDIV. IN BENTHIC RBA SUBSAMPLE (#IND)			1906
12845	3/31/2003 89941	NET LENGTH (METERS)			1906
14198		NET LENGTH (METERS)			1906
12838	9/21/2003 89941	NET LENGTH (METERS)			1906
12838	9/24/2002 89941	NET LENGTH (METERS)		5.49	1906
12845	9/24/2002 89941	NET LENGTH (METERS)		5.49	1906
12845	9/21/2003 89941	NET LENGTH (METERS)		5.49	1906
14198	9/20/2003 89941	NET LENGTH (METERS)		5.49	1906
12838	4/1/2003 89941	NET LENGTH (METERS)		5.49	1906
14198	4/1/2003 89941	NET LENGTH (METERS)			1906
14198	4/1/2003 89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
14198	9/20/2003 89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
12845	9/21/2003 89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
12838	4/1/2003 89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
12845	3/31/2003 89943	ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
		ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			
12838	9/21/2003 89943				1906
14198		ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
12845		ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
12838		ELECTROFISHING METHOD 1BOAT2BACKPACK3TOTEBARGE			1906
12838		ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)			1906
12838	4/1/2003 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1906
12845	3/31/2003 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1906
14198	4/1/2003 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	899	1906
12845	9/21/2003 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)		900	1906
14198	9/25/2002 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1906
12845	9/24/2002 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1906
12838	9/24/2002 89944	ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)	>	900	1906
14198		ELECTROFISH EFFORT, DURATION OF SHOCKING (SEC)			1906
12845		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
12838	4/1/2003 89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
14198	4/1/2003 89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
12838		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
14198	9/25/2002 89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
12845		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
12838		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
12845		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
14198		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175	
14198	9/20/2003 89948	COMBINED LENGTH OF SEINE HAULS (METERS)			1906
12838	9/21/2003 89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1906
12845	9/24/2002 89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1906
12838	4/1/2003 89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1906
12845	9/21/2003 89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60	1906
14198		COMBINED LENGTH OF SEINE HAULS (METERS)			1906
12845		COMBINED LENGTH OF SEINE HAULS (METERS)			1906
14198		COMBINED LENGTH OF SEINE HAULS (METERS)			1906
12838		COMBINED LENGTH OF SEINE HAULS (METERS)			1906
12838		BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D			1906
14198		BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D			1906
12838		BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D			1906
12845		BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D			1906
14198		BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D			1906
	0/04/0000 00000	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3	1906
12845	9/21/2003 89950	, i i i i i			
		BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D			1906

12838	4/4/2002 20050	BENTHIC SAMPLER (1=SURB,2=EKM,3=KICK,4=PET,5=H-D	3 190	26
12838	4/1/2003 89950 9/24/2002 89961	ECOREGION (TEXAS ECOREGION CODE)	32 190	
12838	9/21/2003 89961	ECOREGION (TEXAS ECOREGION CODE)	32 190	
12845		ECOREGION (TEXAS ECOREGION CODE)	32 190	
		,		
12845		ECOREGION (TEXAS ECOREGION CODE)	32 190	
12845	3/31/2003 89961	ECOREGION (TEXAS ECOREGION CODE)	32 190	
14198	4/1/2003 89961	ECOREGION (TEXAS ECOREGION CODE)	32 190	
14198		ECOREGION (TEXAS ECOREGION CODE)	32 190	
14198	9/20/2003 89961	ECOREGION (TEXAS ECOREGION CODE)	32 190	
12838	4/1/2003 89961	ECOREGION (TEXAS ECOREGION CODE)	32 190	
14198	4/1/2003 89976	AREA SEINED (SQ METERS)	330 190	
12838		AREA SEINED (SQ METERS)	330 190	
12838	4/1/2003 89976	AREA SEINED (SQ METERS)	330 190)6
14198		AREA SEINED (SQ METERS)	330 190)6
12845	9/21/2003 89976	AREA SEINED (SQ METERS)	330 190	ე6
12845	9/24/2002 89976	AREA SEINED (SQ METERS)	330 190	ე6
14198	9/25/2002 89976	AREA SEINED (SQ METERS)	330 190) 6
12838	9/24/2002 89976	AREA SEINED (SQ METERS)	330 190	06
12845	3/31/2003 89976	AREA SEINED (SQ METERS)	330 190	06
12845	9/21/2003 90007	HILSENHOFF BIOTIC INDEX	6.125 190	
14198		HILSENHOFF BIOTIC INDEX	3.48 190	
12838	4/1/2003 90007	HILSENHOFF BIOTIC INDEX	3.19 190	
14198		HILSENHOFF BIOTIC INDEX	4.13 190	
12838	9/21/2003 90007	HILSENHOFF BIOTIC INDEX	5.85 190	
12838		HILSENHOFF BIOTIC INDEX	5.5 190	
14198	4/1/2003 90007	HILSENHOFF BIOTIC INDEX	4.5 190	
12845		HILSENHOFF BIOTIC INDEX	4.99 190	
12845		HILSENHOFF BIOTIC INDEX	4.26 190	
12845	9/21/2003 90007	EPT INDEX	5 190	
12838	9/21/2003 90008	EPT INDEX	6 190	
12838	4/1/2003 90008	EPT INDEX	5 190	
14198		EPT INDEX	10 190	
14198		EPT INDEX	8 190	
12845		EPT INDEX	2 190	
12845		EPT INDEX	5 190	
12838		EPT INDEX	2 190	
14198	4/1/2003 90008	EPT INDEX	7 190	
12845	3/31/2003 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5 190)6
14198		NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4 190	
12845	9/21/2003 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5 190	ე6
12838	4/1/2003 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5 190	26
12838	9/21/2003 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4 190) 6
12838	9/24/2002 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4 190	06
12845	9/24/2002 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4 190	06
14198		NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	5 190	
14198	4/1/2003 90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS	4 190	
14198		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	38.1 190	
12838	4/1/2003 90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	64.8 190	
12838		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	43.6 190	
12845		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	35.6 190	
12845		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	46.2 190	
14198	4/1/2003 90010	DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	47.9 190	
12845		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	72 190	
12838		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	50 190	
		DOMINANT BENTHIC FUNC FEEDING GRP, % OF COMMUNIT	73 190	
14198		·		
12845		BENTHIC GATHERERS (% OF COMMUNITY)	46.2 190	
14198		BENTHIC GATHERERS (% OF COMMUNITY)	13 190	
14198	4/1/2003 90025	BENTHIC GATHERERS (% OF COMMUNITY)	21.8 190	
12838		BENTHIC GATHERERS (% OF COMMUNITY)	21 190	
12845		BENTHIC GATHERERS (% OF COMMUNITY)	3 190	
14198		BENTHIC GATHERERS (% OF COMMUNITY)	38.1 190	
12838		BENTHIC GATHERERS (% OF COMMUNITY)	18.59 190	
12838		BENTHIC GATHERERS (% OF COMMUNITY)	14.8 190	
12845		BENTHIC GATHERERS (% OF COMMUNITY)	27.4 190	
12838	9/24/2002 90030	BENTHIC FILTERERS (% OF COMMUNITY)	50 190	ე6
12845	9/24/2002 90030	BENTHIC FILTERERS (% OF COMMUNITY)	72 190	

12845 3/31/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	8.5 1906
12838 9/21/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	43.46 1906
12845 9/21/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	15.4 1906
14198 9/25/2002 90030	BENTHIC FILTERERS (% OF COMMUNITY)	73 1906
14198 9/20/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	22.9 1906
12838 4/1/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	64.8 1906
14198 4/1/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	47.9 1906
14198 9/25/2002 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0 1906
12838 4/1/2003 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0.5 1906
12845 3/31/2003 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0.5 1906
14198 4/1/2003 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0 1906
12845 9/24/2002 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0 1906
12838 9/24/2002 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0 1906
12845 9/21/2003 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	4.8 1906
12838 9/21/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	28.08 1906
12838 4/1/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	6.8 1906
14198 9/20/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	2.8 1906
12845 9/24/2002 90036	BENTHIC PREDATORS (% OF COMMUNITY)	24 1906
12845 3/31/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	4.9 1906
14198 4/1/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	14.9 1906
14198 9/25/2002 90036	BENTHIC PREDATORS (% OF COMMUNITY)	4 1906
12845 9/21/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	35.6 1906
12838 9/24/2002 90036	BENTHIC PREDATORS (% OF COMMUNITY)	25 1906
12838 4/1/2003 90042	PERCENT DOMINANT TAXON, BENTHOS	38.6 1906
14198 4/1/2003 90042	PERCENT DOMINANT TAXON, BENTHOS	25.4 1906
12838 9/21/2003 90042	PERCENT DOMINANT TAXON, BENTHOS PERCENT DOMINANT TAXON, BENTHOS	42.3 1906
	PERCENT DOMINANT TAXON, BENTHOS PERCENT DOMINANT TAXON, BENTHOS	
	•	49.04 1906
12838 9/24/2002 90042 14198 9/20/2003 90042	PERCENT DOMINANT TAXON, BENTHOS PERCENT DOMINANT TAXON, BENTHOS	41.67 1906
		27.5 1906
12845 9/24/2002 90042	PERCENT DOMINANT TAXON, BENTHOS	61.54 1906
12845 3/31/2003 90042	PERCENT DOMINANT TAXON, BENTHOS	64.2 1906
12845 9/21/2003 90042	PERCENT DOMINANT TAXON, BENTHOS	25 1906
12838 9/24/2002 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	0.5 1906
12845 9/21/2003 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	0.44 1906
14198 4/1/2003 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	1.24 1906
14198 9/25/2002 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	4.2 1906
12838 4/1/2003 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	1.64 1906
12845 9/24/2002 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	1.74 1906
12838 9/21/2003 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	0.24 1906
14198 9/20/2003 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	8.9 1906
12845 3/31/2003 90050	RATIO OF INTOLERANT TO TOLERANT TAXA, BENTHOS	4.45 1906
12838 9/21/2003 90052	NUMBER OF NON-INSECT TAXA	2 1906
12838 4/1/2003 90052	NUMBER OF NON-INSECT TAXA	3 1906
14198 9/20/2003 90052	NUMBER OF NON-INSECT TAXA	2 1906
12845 9/21/2003 90052	NUMBER OF NON-INSECT TAXA	5 1906
12845 3/31/2003 90052	NUMBER OF NON-INSECT TAXA	5 1906
14198 4/1/2003 90052	NUMBER OF NON-INSECT TAXA	0 1906
12845 9/24/2002 90052	NUMBER OF NON-INSECT TAXA	4 1906
12838 9/24/2002 90052	NUMBER OF NON-INSECT TAXA	2 1906
14198 9/25/2002 90052	NUMBER OF NON-INSECT TAXA	0 1906
12838 4/1/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	0 1906
12838 9/24/2002 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	8.33 1906
12845 3/31/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	0 1906
12845 9/21/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	7.69 1906
12845 9/24/2002 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	0 1906
14198 9/25/2002 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	3.85 1906
12838 9/21/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	11.5 1906
14198 9/20/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	1.83 1906
14198 4/1/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	3.08 1906
12838 9/21/2003 90055	MACROINVERTEBRATE TAXA RICHNESS	7 1906
12838 9/24/2002 90055	MACROINVERTEBRATE TAXA RICHNESS	7 1906
12845 9/21/2003 90055		
	MACROINVERTEBRATE TAXA RICHNESS	16 1906
12845 3/31/2003 90055	MACROINVERTEBRATE TAXA RICHNESS	15 1906
	MACROINVERTEBRATE TAXA RICHNESS MACROINVERTEBRATE TAXA RICHNESS MACROINVERTEBRATE TAXA RICHNESS	14 1906 14 1906

12845	9/24/2002 90055	MACROINVERTEBRATE TAXA RICHNESS	9 190	ე6
14198	9/20/2003 90055	MACROINVERTEBRATE TAXA RICHNESS	16 190	06
12845	9/21/2003 92266	TRICHOPTERA	88.9 190	06
12838	9/24/2002 92266	TRICHOPTERA	100 190	06
12838	9/21/2003 92266	TRICHOPTERA	190	06
14198	9/25/2002 92266	TRICHOPTERA	72.73 190	06
12845	3/31/2003 92266	TRICHOPTERA	100 190	06
14198	4/1/2003 92266	TRICHOPTERA	100 190	
14198	9/20/2003 92266	TRICHOPTERA	62.5 190	
12845	9/24/2002 92266	TRICHOPTERA	100 190	
12838	4/1/2003 92266	TRICHOPTERA	95.5 190	
14198	9/20/2003 92491	CHIRONOMIDAE	0 190	
12845	3/31/2003 92491	CHIRONOMIDAE	3.67 190	
12838	4/1/2003 92491	CHIRONOMIDAE	6.8 190	
12845	9/24/2002 92491	CHIRONOMIDAE	3.85 190	
12845	9/21/2003 92491	CHIRONOMIDAE	0 190	
14198	9/25/2002 92491	CHIRONOMIDAE	8.65 190	ე6
12838	9/24/2002 92491	CHIRONOMIDAE	0 190	ე6
14198	4/1/2003 92491	CHIRONOMIDAE	16.9 190	06
12838	9/21/2003 92491	CHIRONOMIDAE	3.85 190	06
12845	9/21/2003 98003	NUMBER OF SPECIES, FISH	13 190	06
14198	9/25/2002 98003	NUMBER OF SPECIES, FISH	17 190	
12845	9/24/2002 98003	NUMBER OF SPECIES, FISH	16 190	
12838	9/21/2003 98003	NUMBER OF SPECIES, FISH	14 190	
12845	3/31/2003 98003	NUMBER OF SPECIES, FISH	19 190	
12838	9/24/2002 98003	NUMBER OF SPECIES, FISH	10 190	
12838	4/1/2003 98003	NUMBER OF SPECIES, FISH	13 190	
14198	4/1/2003 98003	NUMBER OF SPECIES, FISH	15 190	
		·		
14198	9/20/2003 98003	NUMBER OF SPECIES, FISH	13 190	
14198	9/20/2003 98004	TOTAL NUMBER OF DARTER SPECIES	1 190	
14198	4/1/2003 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	
12838	9/24/2002 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	
12838	4/1/2003 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	
12845	9/24/2002 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	
12845	3/31/2003 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	ე6
12845	9/21/2003 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	06
12838	9/21/2003 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	06
14198	9/25/2002 98004	TOTAL NUMBER OF DARTER SPECIES	0 190	06
12845	3/31/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	6 190	06
12838	9/21/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	5 190	06
14198	9/25/2002 98008	TOTAL NUMBER OF SUNFISH SPECIES	5 190	
12845	9/24/2002 98008	TOTAL NUMBER OF SUNFISH SPECIES	6 190	
12845	9/21/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	5 190	
14198	4/1/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	5 190	
12838	4/1/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	6 190	
	9/20/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	2 190	
12838	9/24/2002 98008	TOTAL NUMBER OF SUNFISH SPECIES	6 190	
14198	9/20/2003 98009	TOTAL NUMBER OF SUCKER SPECIES	1 190	
12838	4/1/2003 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	
14198	4/1/2003 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	
14198	9/25/2002 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	
12845	3/31/2003 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	06
12845	9/24/2002 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	06
12845	9/21/2003 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	06
12838	9/24/2002 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	
12838	9/21/2003 98009	TOTAL NUMBER OF SUCKER SPECIES	0 190	
14198	9/20/2003 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	2 190	
14198	9/25/2002 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0 190	
12845	9/24/2002 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0 190	
12845	3/31/2003 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0 190	
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12838	9/24/2002 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	1 190	
14198	4/1/2003 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0 190	
12845	9/21/2003 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	1 190	
12838	4/1/2003 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	1 190	
12838	9/21/2003 98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	1 190	
12838	4/1/2003 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	24 190	06

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14198	9/20/2003 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	21.3 1906
12845	9/21/2003 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	63.3 1906
12838	9/24/2002 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	63 1906
12845	9/24/2002 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	76 1906
14198	9/25/2002 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	29 1906
14198	4/1/2003 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	3 1906
12838	9/21/2003 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	80.7 1906
12845	3/31/2003 98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	24 1906
14198	9/25/2002 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	10 1906
12845	3/31/2003 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	3 1906
12845	9/24/2002 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	6 1906
12838	9/24/2002 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	5 1906
12845	9/21/2003 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	26 1906
12838	9/21/2003 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	6.6 1906
12838	4/1/2003 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	5 1906
14198	9/20/2003 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	6.6 1906
14198	4/1/2003 98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	0.7 1906
12845	3/31/2003 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	96 1906
12845	9/21/2003 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	60 1906
12838	4/1/2003 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	89 1906
12838	9/24/2002 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	72 1906
12838	9/21/2003 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	89.3 1906
14198	9/20/2003 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	72 1906
12845	9/24/2002 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	62 1906
14198	9/25/2002 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	85 1906
14198	4/1/2003 98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	98 1906
12845	3/31/2003 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	1 1906
14198	9/20/2003 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	5.9 1906
14198	9/25/2002 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	4 1906
14198	4/1/2003 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	0.5 1906
12838	9/21/2003 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	4.1 1906
12838	9/24/2002 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	23 1906
12845	9/21/2003 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	14 1906
12838	4/1/2003 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	6 1906
12845	9/24/2002 98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	32 1906
12838	9/21/2003 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	202 1906
12845	9/24/2002 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	197 1906
14198	9/20/2003 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	138 1906
14198	4/1/2003 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	501 1906
14198	9/25/2002 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	135 1906
12845	3/31/2003 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	839 1906
12838	4/1/2003 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	148 1906
12845	9/21/2003 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	155 1906
12838	9/24/2002 98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	79 1906
12838	4/1/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12838	4/1/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12838		PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12838	9/24/2002 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
		PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12845	9/24/2002 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
14198	9/25/2002 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
14198	9/25/2002 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12845	3/31/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12845	3/31/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
14198	4/1/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
14198	4/1/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12838	9/21/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12838	9/21/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12845	9/21/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
12845		PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
14198	9/20/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
14198	9/20/2003 98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0 1906
	4/1/2003 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	0 1906
14198		. ENGLIST OF INDIVIDUALO WITH DIGENOL ON ANOMALI	0 1300
14198 14198		PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	0 1906
14198 14198 12838	9/20/2003 98030 9/21/2003 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	0 1906 0 1906

14198	9/25/2002 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	1.3 1906
14190	9/25/2002 96030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	1.3 1906
12845	9/24/2002 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	0 1906
12845	9/21/2003 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	0 1906
12838	9/24/2002 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	1.3 1906
12845	3/31/2003 98030	PERCENT OF INDIVIDUALS WITH DISEASE OR ANOMALY	0 1906