

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

This report describes water quality data collected on Upper Cibolo Creek (Segment 1908) 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. Upper Cibolo Creek is a 66-mile freshwater stream in the San Antonio River Basin that extends from the Missouri-Pacific railroad Bridge west of Bracken in Comal County to a point 0.9 miles (1.5 km) upstream of the confluence of Champee Springs in Kendall County. Upper Cibolo Creek was included on the 2000 State of Texas Clean Water Act 303(d) list as partially supporting due to concentrations of dissolved oxygen below criteria associated with a high aquatic life use.

Volume 1 presents the water quality data, including TCEQ water quality criteria, for 24-hr dissolved oxygen, pH, water temperature, conductivity, and nutrients. Basic statistics are provided for each water quality constituent by station and sampling type. 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, and the use of 24-hour dissolved oxygen measurements. None of the of 24-hour dissolved oxygen values (28 samples) had averages or minimums that exceeded their respective TCEQ criteria associated with a high aquatic life use. Based upon the 24-hour dissolved oxygen data collected for this study, Upper Cibolo Creek is meeting the high aquatic life use and will likely be removed from the 303(d) List during the 2006 305(b) assessment.

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## **INTRODUCTION**

Upper Cibolo Creek (Segment 1908) is a 66-mile freshwater stream in the San Antonio River Basin that extends from the Missouri-Pacific railroad Bridge west of Bracken in Comal County to a point 0.9 miles (1.5 km) upstream of the confluence of Champee Springs in Kendall County (Figure 1). This watershed which has a major land-use classification of agricultural and residential (Figure 2) includes the City of Boerne, a resort and retirement community.

In the 2000 Water Quality Inventory (also known as the Clean Water Act Section 305(b) report), the high aquatic life use designated by the Texas Commission on Environmental Quality (TCEQ) for Upper Cibolo Creek was identified as impaired. In this assessment, TCEQ found that some instantaneous dissolved oxygen samples collected in the stream exhibited levels lower than the established criterion that would assure optimum conditions for aquatic life. The TCEQ also determined that there was an insufficient number of 24-hour dissolved oxygen samples collected since 1999 to allow for a reassessment of standards attainment and in response, initiated a project to verify the impairment through the collection of additional physical, chemical, and biological data.

In 2001, TCEQ contracted the services of the South Texas Environmental Institute at Texas A&M University-Kingsville (TAMUK) to lead this effort, together with the Conrad Blucher Institute for Surveying and Science (CBI) at Texas A&M University-Corpus Christi and Ecological Communications Corporations (ECOMM) to design and implement a monitoring plan to verify the impairment and then take the necessary actions to restore primary usage of the water body. The TAMUK team conducted sampling at two stations on Upper Cibolo Creek during August 2002 through August 2003 to provide the TCEQ with 24-hour dissolved oxygen as well as additional physical, chemical and biological parameters. 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 on Upper Cibolo Creek provided in this report is included in two volumes. Volume 1 describes the physical and chemical data and analyses for water quality on Segment 1908. The 24-hour dissolved oxygen results are presented in tabular and graphical formats with statistical summaries. Other measured parameters for which basic statistics are provided based on sampling station and sample type include pH, water temperature, conductivity, and nutrient levels. Volume 2, prepared by ECOMM (2004), describes the biological sampling, and data analyses conducted by ECOMM.

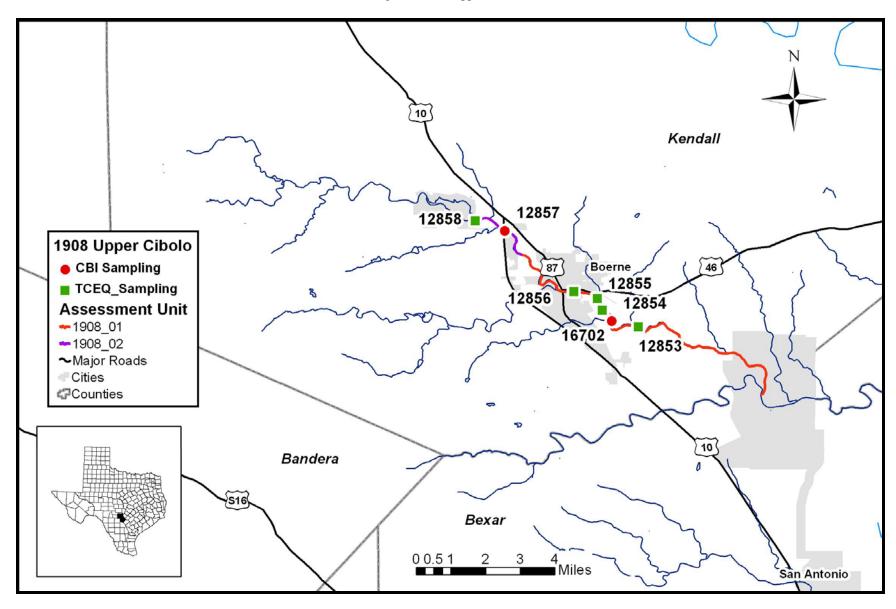


Figure 1. Map showing Station Locations in Upper Cibolo Creek.

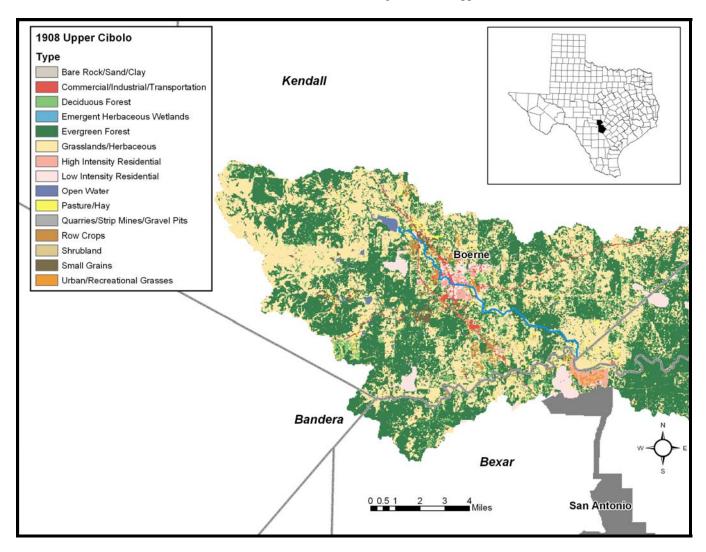


Figure 2. Land Use Map for Segment 1908 of the Cibolo Creek Watershed.

Table 1. Land Use Percentages for Segment 1908 of the Cibolo Creek Watershed.

Percent	Туре
47	Evergreen Forest
22	Grasslands/Herbaceous
7	Pasture/Hay
6	Deciduous Forest
6	Shrubland
3	Low Intensity Residential
2	Row Crops
2	Small Grains
2	Commercial/Industrial/Transportation
1	High Intensity Residential
1	Urban/Recreational Grasses
1	Bare Rock/Sand/Clay
<1	Open Water
<1	Quarries/Strip Mines/Gravel Pits
<1	Emergent Herbaceous Wetlands

#### HISTORICAL REVIEW

Segment specific uses and criteria for Upper Cibolo 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\Aquifer Protection Use

The 2000 303(d) List included Upper Cibolo Creek as partially supporting the aquatic life use due to depressed dissolved oxygen levels in the stream. While the contact recreation, public water supply\aquifer protection and general uses of the stream were fully supported, fish consumption was not assessed due to insufficient data. The results of the assessment of samples for the 2002 Water Quality Inventory are given in Table 1. Table 2 lists all TCEQ Monitoring Stations on this segment, and Figure 3 and Figure 4 are photographs of the two Monitoring Stations from which samples were collected during this project.

**Table 2. Assessment Samples for Segment 1908 Upper Cibolo Creek for the 2002 Inventory** (Developed from water quality data collected between March 1, 1996 and February 28, 2001)

Rec	Segment ID	Year	Uses or Criteria	Method	Samples Taken	Exceeded	Mean
1	1908	2002	Aquatic Life Use	Dissolved Oxygen grab average	39	2	
2	1908	2002	Aquatic Life Use	Dissolved Oxygen grab minimum	39	0	
3	1908	2002	Aquatic Life Use	Dissolved Oxygen 24hr average	0		
4	1908	2002	Aquatic Life Use	Dissolved Oxygen 24hr minimum	0		

Table 3. All TCEQ Monitoring Stations on Segment 1908. Green shading indicates Stations used in impairment verification monitoring. Photos for these 2 stations are indicated in the third column.

Station	Station Descriptions	Photograph
12853	CIBOLO CREEK 2.5 MI. SE OF BOERNE	
12854	CIBOLO CREEK AT HERFF ROAD IN BOERNE	
12855	CIBOLO CREEK AT BOERNE CITY PARK	
12856	CIBOLO CREEK AT SPARKLING SPRINGS IN BOERNE	
16702	CIBOLO CREEK SE OF BOERNE AT DOWNSTREAM END OF CITY PARK IN THE NATURE PRESERVE, 0.8K DOWNSTREAM OF SH46	Figure 3
12857	CIBOLO CREEK AT IH 10 - US 87 NW OF BOERNE	Figure 4
12858	CIBOLO CREEK AT BOERNE CITY LAKE DISCHARGE	



Figure 3. Station 16702, looking downstream.



Figure 4. Station 12857, looking downstream.

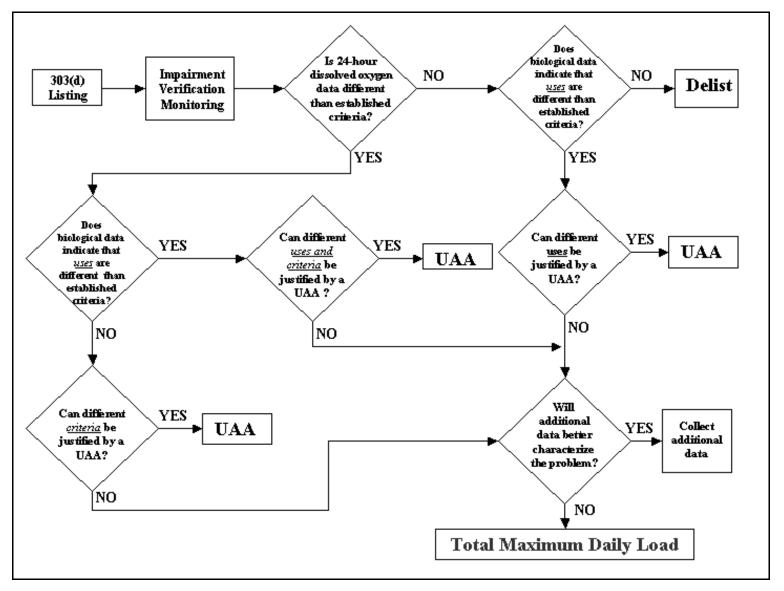
#### PROBLEM DEFINITION

TAMUK and CBI led the effort for TCEQ to assess the water quality in Upper Cibolo Creek (Segment 1908). This segment was included on the 1999 and 2000 State of Texas Clean Water Act 303(d) lists as partially supporting the aquatic life use due to depressed concentrations of dissolved oxygen. The initial phase of the project required that this impairment first be verified through the collection of additional physical, chemical, and biological data to fill in the data and knowledge gaps and determine 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 5).

#### ASSESSMENT METHODOLOGY

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

- **Dissolved oxygen monitoring.** The 2000 Water Quality Inventory determined that aquatic life uses on Segment 1908 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 thus focused on the use of data logging equipment to obtain the necessary data set that would make for more reliable use attainment determinations.
- **Development of Assessment Units.** The 2002 Water Quality Inventory also included the use of hydrologically similar portions of entire segments to characterize better the extent of specific use impairment. This approach combines data from several nearby stations to increase the data quantity and, thus, the certainty with respect to the results (Table 3). Previous assessments considered data from the entire water body to be representative of ambient conditions.
- **Binomial Approach.** The 305(b) Water Quality Assessment has incorporated the binomial approach, a statistically-based method for the determination of impairment using varying exceedance percentages based upon the number of samples collected. The binomial approach results in a Type I statistical error that is significantly smaller than that obtained using a single percentage exceedance.



**Figure 5 Conceptual Decision Framework** 

Table 4. Upper Cibolo Creek Aquatic Life Assessment Summary

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
	12853		X		From confl. with				
	12854		X		Balcones Ck. to				
	12855		X	1908_01	approx. 2 mi. upstream of Hwy 87	FS	PS		
	12856		X		in Boerne	15	15		
	16702	X	X						
1908	12857	X	X		From approx. 2 mi.			5 mg/L	3 mg/L
	12858		X	1908_02	upstream of Hwy 87 in Boerne to upper end of segment	FS	PS		

#### **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**

Based on the approved QAPP, guidelines for a monitoring plan were developed by TAMUK to provide the additional water quality data and information identified as necessary in the Historical Data Review in order 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 also listed in detail, the equipment and supplies required to carry out the monitoring effort.

#### **Data Requirements**

Data collected on Upper Cibolo Creek met requirements for several different outcomes: delisting of the segment, standards adjustment, or establishing a TMDL. The primary goal in data collection was to ensure that enough data were obtained from the samples collected over the critical sampling period to adequately assess, and, if necessary, re-classify the uses for Upper Cibolo 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 4. In-stream, multi-probe, data loggers measured dissolved oxygen, temperature, pH, and conductivity over a 24-hour period. 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 and analyses of these samples included routine TCEQ water quality monitoring parameters. 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 5. Parameters Measured.** 

PARAMETER	UNITS	METHOD TYPE	METHOD	STORET Code	AWRL	PRECISION of laboratory duplicates (RPD)	ACCURACY of matrix spikes % Recovery	AWRL Calibration Standard % Recovery	Laboratory Performing Analysis
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

SATL: San Antonio Testing Laboratory\

AWRL: Ambient Water Reporting Limit

#### **RESULTS**

The two Assessment Units used for impairment verification based on the 24-hour, dissolved-oxygen average values are listed in Table 5. The data collected during this project were plotted against time with the TCEQ standard of 5 mg/L for high aquatic life use (Figure 6 and Figure 7). All 28 samples had average dissolved oxygen values above 5 mg/L. Similarly, the 24-hour minimum values for the 28 samples (Table 6) were well above the TCEQ standard of 3 mg/L (Figure 8 and Figure 9). Statistics for the non-critical field and laboratory parameters are presented in Tables 7 and 8, respectively.

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

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
1908_01	16702	14	7.30	1.31	9.44	5.51
1908_02	12857	14	8.11	1.04	9.79	6.67

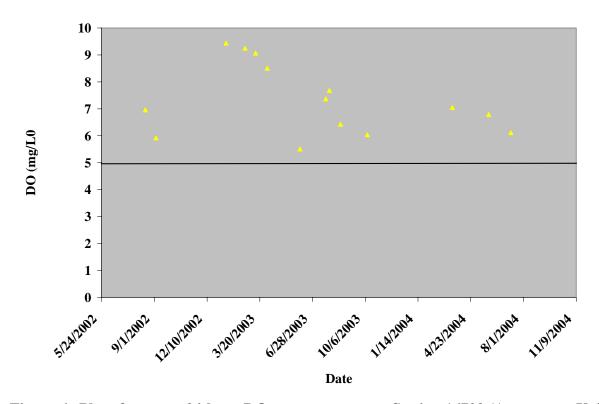


Figure 6. Plot of average 24-hour DO measurements at Station 16702 (Assessment Unit 1)

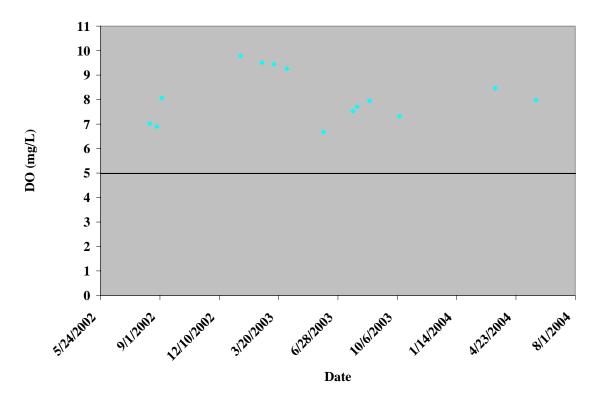


Figure 7. Plot of average 24-hour DO measurements at Station 12857 (Assessment Unit 2)

Table 7. Statistics for 24-hour DO Minimum Values

Assessment Unit	Station Identification	Number of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
1908_01	16702	14	5.81	1.70	8.76	3.86
1908_02	12857	14	6.82	1.63	9.48	4.04

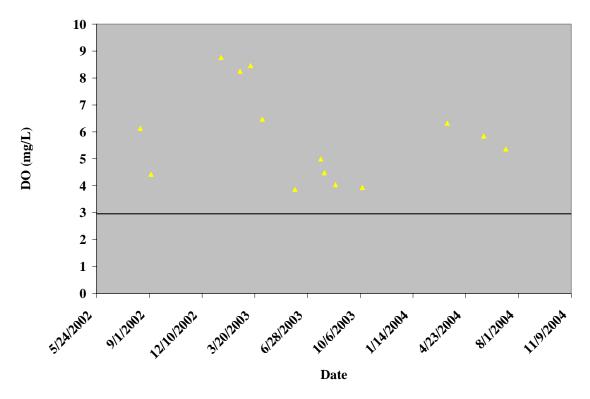


Figure 8. Plot of Minimum 24-hour DO values at Station 16702 (Assessment Unit 1)

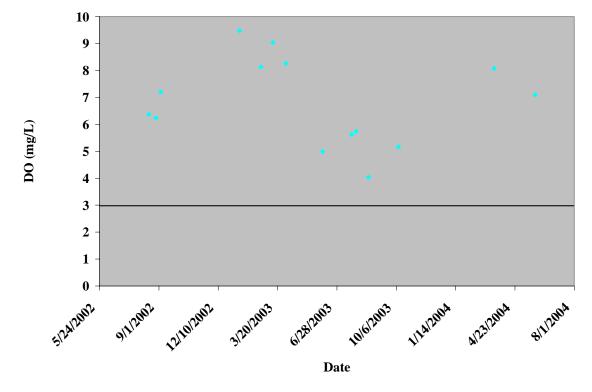


Figure 9. Plot of Minimum 24-hour DO values at Station 12857 (Assessment Unit 2)

Table 8. Statistics for non-critical field parameters

ar 1.		Number	3.6	G4 1 1	24.	3.50
Station Identification	Parameters	of Samples	Mean Value	Standard Deviation	Maximum Value	Minimum Value
16702	Temp (Celsius)	16	22.76	4.59	26.74	11.65
12857	Temp (Celsius)	16	21.75	5.10	27.12	10.01
16702	pН	15	7.65	0.16	7.91	7.41
12857	pН	16	7.85	0.28	8.44	7.43
16702	Spot DO (mg/L)	14	6.52	1.82	9.29	4.04
12857	Spot DO (mg/L)	14	7.50	1.68	9.82	4.76
16702	Specific Conductivity (microsiemens/cm)	15	524.73	102.80	678.00	268.00
12857	Specific Conductivity (microsiemens/cm)	13	455.00	73.34	639.00	368.00
16702	24hr DO Max (mg/L)	14	9.47	1.65	11.89	7.19
12857	24hr DO Max (mg/L)	14	10.20	2.17	17.17	7.94
16702	Flow (cfs)	15	18.37	15.17	50.36	1.91
12857	Flow (cfs)	16	13.28	18.85	77.70	0.63

**Table 9. Statistics for laboratory parameters** 

Station		Number of	Mean	Standard	Maximum	Minimum
Identification	Parameter	Samples	Value	Deviation	Value	Value
16702	Alkalinity (mg/L)	14	197.01	73.13	345.19	20.55
12857	Alkalinity (mg/L)	14	191.77	29.30	248.91	147.97
16702	Chloride (mg/L)	15	27.85	13.88	63.00	14.24
12857	Chloride (mg/L)	15	19.29	9.85	43.00	9.80
16702	Sulfate (mg/L)	14	38.13	53.81	220.54	7.20
12857	Sulfate (mg/L)	15	17.14	11.99	40.71	7.20
16702	TSS (mg/L)	4	3.75	3.20	7.00	1.00
12857	TSS (mg/L)	4	3.50	3.79	9.00	1.00
16702	Ammonia (mg/L)	15	0.67	0.51	1.54	0.03
12857	Ammonia (mg/L)	15	0.57	0.47	1.00	0.03
16702	Phosphate (mg/L)	13	0.22	0.23	0.75	0.01
12857	Phosphate (mg/L)	13	0.11	0.27	1.00	0.01
16702	Orthophosphate	15	0.26	0.27	0.91	0.05
	(mg/L)					
12857	Orthophosphate	15	0.04	0.05	0.18	0.01
	(mg/L)					
16702	TKN (mg/L)	13	0.72	0.41	1.00	0.05
12857	TKN (mg/L)	13	0.63	0.44	1.00	0.02
16702	TOC (mg/L)	16	4.05	1.95	9.43	1.60
12857	TOC (mg/L)	15	4.31	1.86	8.13	1.68
16702	Chlorophyll A (ug/L)	15	0.82	0.87	3.00	0.25
12857	Chlorophyll A (ug/L)	15	0.73	0.68	2.00	0.25
16702	Phenophytin A (ug/L)	15	1.16	1.99	8.00	0.25
12857	Phenophytin A (ug/L)	15	1.48	2.35	8.80	0.25
16702	Nitrate/Nitrite (mg/L)	14	0.42	0.31	1.00	0.05
12857	Nitrate/Nitrite (mg/L)	14	0.28	0.37	1.50	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 statistical analysis, and the use of 24-hour dissolved oxygen measurements. The most significant improvement directly related to data collected on Segment 1908 is the use of 24-hour dissolved-oxygen averages in place of the historically used instantaneous measurements. The 24-hour average provides 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. Data collected by the TAMUK/CBI team on Upper Cibolo Creek indicated no impairment due to depressed levels of dissolved oxygen in the water. None of the 28 24-hour dissolved oxygen samples had average or minimum values that exceeded their respective high aquatic life use criteria. As a result of these findings, Upper Cibolo Creek (Segment 1908) will likely be removed from the 303(d) List during the 2006 305 (b) Assessment.

#### **REFERENCES**

ECOMM (2004) Impairment Verification Monitoring—Volume 2: Biological and Habitat Components, Segment 1908 Upper Cibolo Creek.

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

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

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

TNRCC (2000) Texas Surface Water Quality Standards, Austin, Texas

TNRCC (2000) Texas State 1999 305(b) Water Quality Inventory; Austin, Texas.

TNRCC (2000) State of Texas Clean Water Act Section 303(d) List; SFR 58/59; Austin, Texas.

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

## **ACKNOWLEDGEMENTS**

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

Appendix A Fact Sheets

TEES A-1

(based on data from 03/01/1996 to 02/28/2001)

# **Upper Cibolo Creek**

Segment: 1908 San Antonio River Basin

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

Water body description: From the Missouri-Pacific Railroad Bridge west of Bracken in Comal

County to a point 1.5 km (0.9 miles) upstream of the confluence of

Champee Springs in Kendall County

Water body classification: Classified

Water body type: Freshwater Stream
Water body length / area: 66 Miles

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

Use, Public Water Supply Use

Standards Not Met in Previous Years Assessment Area	Use	Support Status	Parameter	Category
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	Aquatic Life Use		depressed dissolved oxygen	5c

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

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

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	Nutrient Enrichment Concern	Concern	orthophosphorus

Monitoring sites used:		
Assessment Area	Station ID	Station Description
From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	12857	CIBOLO CREEK AT IH 10 - US 87 NW OF BOERNE
From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	12858	CIBOLO CREEK AT BOERNE CITY LAKE DISCHARGE

(based on data from 03/01/1996 to 02/28/2001)

Monitoring sites used:		
Assessment Area	Station ID	Station Description
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	12853	CIBOLO CREEK 2.5 MI. SE OF BOERNE
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	12854	CIBOLO CREEK AT HERFF ROAD IN BOERNE
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	12855	CIBOLO CREEK AT BOERNE CITY PARK
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	12856	CIBOLO CREEK AT SPARKLING SPRINGS IN BOERNE
From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	16702	CIBOLO CREEK SE OF BOERNE AT DOWNSTREAM END OF CITY PARK IN THE NATURE PRESERVE, 0.8K DOWNSTREAM OF SH46

Published studies: Publication	Date	Author
IS 37 Cibolo Creek	July 1979	Ezell, C.

Freshwater Stream	San Anto	onio River Basin	Γotal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
quatic Life Use						
Dissolved Oxygen grab average	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Dissolved Oxygen grab average	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36	2	
Dissolved Oxygen grab minimum	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Dissolved Oxygen grab minimum	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36	0	
Dissolved Oxygen 24hr average	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
Dissolved Oxygen 24hr average	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
Dissolved Oxygen 24hr minimum	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
Dissolved Oxygen 24hr minimum	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
Acute Metals in water	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
Chronic Metals in water	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
Overall Aquatic Life Use	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Aquatic Life Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Aquatic Life Use	Not Assessed	Lower 43 miles of segment	43			

Freshwater Stream	San Anto	onio River Basin T	otal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
ontact Recreation Use						
E. coli single sample	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
E. coli single sample	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
E. coli geometric mean	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
E. coli geometric mean	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
Fecal coliform single sample	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Fecal coliform single sample	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	29	2	
Fecal coliform geometric mean	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3		10.
Fecal coliform geometric mean	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	29		83.
Overall Recreation Use	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Recreation Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Recreation Use	Not Assessed	Lower 43 miles of segment	43			
neral Use						
Water Temperature	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Water Temperature	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36	0	

Freshwater Stream	San Anto	onio River Basin T	otal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
eneral Use (continued)						
pH	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
pH	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	29	0	
Chloride	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		30.9
Chloride	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		30.9
Chloride	Fully Supporting	Lower 43 miles of segment	43	36		30.
Sulfate	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		135.
Sulfate	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		135.
Sulfate	Fully Supporting	Lower 43 miles of segment	43	36		135
Total Dissolved Solids	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	43		358
Total Dissolved Solids	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	43		358
Total Dissolved Solids	Fully Supporting	Lower 43 miles of segment	43	43		358
Overall General Use	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall General Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall General Use	Fully Supporting	Lower 43 miles of segment	43			
sh Consumption Use						
Human Health Criteria Metals	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		

Freshwater Stream	San Anto	onio River Basin To	otal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
sh Consumption Use (continued)						
Overall Fish Consumption Use	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Fish Consumption Use	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Fish Consumption Use	Not Assessed	Lower 43 miles of segment	43			
ublic Water Supply Use						
Finished Water: Running Avg	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Finished Water: Running Avg	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Surface Water: Long-term average Metals	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33		0.65
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3		
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33	0	
Overall Public Water Supply Use	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Public Water Supply Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Public Water Supply Use	Fully Supporting	Lower 43 miles of segment	43			
verall Use Support						
	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			

Freshwater Stream	San Anto	onio River Basin To	tal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support (continued)						
	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
	Fully Supporting	Lower 43 miles of segment	43			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Ammonia Nitrogen	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	31	4	
Nitrite + Nitrate Nitrogen	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Nitrite + Nitrate Nitrogen	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33	1	
Orthophosphorus	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
Orthophosphorus	Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	26	7	
Total Phosphorus	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
Total Phosphorus	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33	7	
Overall Nutrient Enrichment Concerns	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Nutrient Enrichment Concerns	Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Nutrient Enrichment Concerns	Not Assessed	Lower 43 miles of segment	43			

Freshwater Stream	San Anto	onio River Basin T	otal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth Concern						
Chlorophyll a	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Chlorophyll a	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	20	2	
Chlorophyll a	Not Assessed	Lower 43 miles of segment	43			
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Sediment Contaminant Concerns	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Sediment Contaminant Concerns	Not Assessed	Lower 43 miles of segment	43			
Fish Tissue Contaminants Concern			•	•		
Overall Fish Tissue Contaminant Concerns	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Fish Tissue Contaminant Concerns	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 43 miles of segment	43			
Public Water Supply Concern						
Finished Water: Chloride	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Finished Water: Chloride	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Finished Water: Chloride	No Concern	Lower 43 miles of segment	43			
Finished Water: Sulfate	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			

Freshwater Stream	San Anto	onio River Basin	Total size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
blic Water Supply Concern (con	tinued)					
Finished Water: Sulfate	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Finished Water: Sulfate	No Concern	Lower 43 miles of segment	43			
Finished Water: Total Dissolved Solids	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Finished Water: Total Dissolved Solids	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Finished Water: Total Dissolved Solids	No Concern	Lower 43 miles of segment	43			
Finished Water: MTBE	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Finished Water: MTBE	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Finished Water: MTBE	No Concern	Lower 43 miles of segment	43			
Finished Water: Perchlorate	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Finished Water: Perchlorate	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Finished Water: Perchlorate	Not Assessed	Lower 43 miles of segment	43			
Finished Water: Overall	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Finished Water: Overall	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Finished Water: Overall	No Concern	Lower 43 miles of segment	43			
Surface Water: Chloride	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		30.
Surface Water: Chloride	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		30

Freshwater Stream	San Anto	nio River Basin To	otal size:	66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
olic Water Supply Concern (con	tinued)					
Surface Water: Chloride	No Concern	Lower 43 miles of segment	43	36		30.9
Surface Water: Sulfate	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		135
Surface Water: Sulfate	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		135
Surface Water: Sulfate	No Concern	Lower 43 miles of segment	43	36		135
Surface Water: Total Dissolved Solids	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	43		358
Surface Water: Total Dissolved Solids	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	43		358
Surface Water: Total Dissolved Solids	No Concern	Lower 43 miles of segment	43	43		358
Surface Water: Overall	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Surface Water: Overall	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Surface Water: Overall	No Concern	Lower 43 miles of segment	43			
Overall Public Water Supply Concerns	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Public Water Supply Concerns	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
Overall Public Water Supply Concerns	No Concern	Lower 43 miles of segment	43			
rative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
Overall Narrative Criteria Concerns	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
	1		1		L	

Freshwater Stream	San Anto	San Antonio River Basin To		66	Miles	
Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
arrative Criteria Concern (conti	inued)					
Overall Narrative Criteria Concerns	No Concern	Lower 43 miles of segment	43			
verall Secondary Concern			·			
	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
	Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
	No Concern	Lower 43 miles of segment	43			

Appendix B Raw Data

TEES B-1

Stationid	Enddate	STORETCODE	DESCRIPTION	GTLT	VALUE
16702	3/18/2004	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		21.55
12857	8/15/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.14
16702	9/4/2002	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.68
12857	2/20/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		14.33
16702	3/12/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		17.29
16702	8/20/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.79
16702	4/3/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		18.68
12857	5/26/2004		TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.13
16702	7/7/2004		TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.74
12857	4/3/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		16.95
16702			TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.42
12857	7/30/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.59
12857	8/20/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.05
16702	7/30/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.87
16702	8/15/2002		TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.64
16702	8/13/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.05
12857	8/13/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.19
			·		
12857	7/7/2004		TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.94
12857	8/27/2002		TEMPERATURE, WATER (DEGREES CENTIGRADE)		27.12
16702	2/20/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		15.51
12857	10/10/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		22.76
12857	9/4/2002		TEMPERATURE, WATER (DEGREES CENTIGRADE)		25.82
16702	7/23/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.44
12857	7/23/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.49
16702	1/15/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		11.65
16702	8/27/2002		TEMPERATURE, WATER (DEGREES CENTIGRADE)		26.52
12857	3/18/2004		TEMPERATURE, WATER (DEGREES CENTIGRADE)		18.01
16702	5/26/2004		TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.23
16702	6/4/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		24.04
12857	3/12/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		15.83
12857	6/4/2003		TEMPERATURE, WATER (DEGREES CENTIGRADE)		23.64
12857	1/15/2003	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		10.01
12857	5/26/2004	00061	SEC)		15.348
12857	8/20/2003	00061	SEC)		0.627
12857	6/4/2003	00061	SEC)		3.652
12857	2/20/2003	00061	SEC)		77.7
12857	3/18/2004	00061	SEC)		14.48
12857	10/10/2003	00061	SEC)		0.92
16702	8/27/2002	00061	SEC)		12.53
16702	9/4/2002		SEC)		1.911
16702	8/15/2002	00061	SEC)		42.88
16702	5/26/2004		SEC)		28.79
12857	9/4/2002		SEC)		8.99
16702	6/4/2003		SEC)		16.3
12857	8/27/2002		SEC)		2.81
16702			SEC)		7.237
12857	8/15/2002		SEC)		22.14
16702	8/20/2003		SEC)		4.216
12857	8/13/2003		SEC)		1.11
16702	3/12/2003		SEC)		50.36
16702	1/15/2003		SEC)		17.02
12857	7/30/2003		SEC)		2.05
16702	7/30/2003		SEC)		6.84
12857	3/12/2003		SEC)		19.96
1285/	3/12/2003	UUUU I	JULU)		19.96

16702			SEC)		10.03
16702			SEC)		7.57
16702			SEC)		28.895
12857	7/7/2004 0		SEC)		18.406
12857			SEC)		3.42
16702	7/7/2004 0		SEC)		34.847
12857	7/23/2003 0		SEC)		3.17
16702	8/13/2003 0		SEC)		6.07
12857			SEC)		17.76
16702			TRANSPARENCY, SECCHI DISC (METERS)		1
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857			TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702			TRANSPARENCY, SECCHI DISC (METERS)		2.5
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	1/15/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	6/4/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	0.5
12857	7/23/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702	1/15/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	5/26/2004 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	7/7/2004 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	8/20/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	8/13/2003 0		TRANSPARENCY, SECCHI DISC (METERS)		0.22
16702	7/30/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	3/18/2004 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702			TRANSPARENCY, SECCHI DISC (METERS)		1.8
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	0.76
12857	7/30/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	1
12857	3/12/2003 0		TRANSPARENCY, SECCHI DISC (METERS)	>	3
16702			TRANSPARENCY, SECCHI DISC (METERS)	>	1
16702	9/4/2002 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		636
12857			SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		639
16702	2/20/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		539
12857			SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		407
16702			SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		268
12857			SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		424
12857	5/26/2004 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		422
12857	2/20/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		436
12857	3/18/2004 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		379
16702	3/18/2004 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		459
16702	8/13/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		636
12857	7/23/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		416
16702	1/15/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		527
16702	7/23/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		526
12857	3/12/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		435
12857	7/30/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		450
16702	3/12/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		504
16702	7/30/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		575
12857	8/13/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		497
16702			SPECIFIC CONDUCTANCE FIELD (UMHOS/CM @ 25C)		580
12857			SPECIFIC CONDUCTANCE FIELD (UMHOS/CM @ 25C)		511
16702	8/15/2002 0 10/10/2003 0		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C) SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		471 572
10/02	10/10/2003 0	1003 <del>4</del>	SI LOIFIG GOINDOGTAINGE, FIELD (UNITUS/GIVI @ 256)		572

12857	8/15/2002 (		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		368
16702	5/26/2004 (		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		509
16702	6/4/2003 (		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		391
16702	8/20/2003 (		SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		678
12857			SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)		531
12857	7/30/2003 (		OXYGEN, DISSOLVED (MG/L)		5.94
16702	6/4/2003 (		OXYGEN, DISSOLVED (MG/L)		5.15
12857	7/23/2003 (		OXYGEN, DISSOLVED (MG/L)		5.89
12857	6/4/2003 (		OXYGEN, DISSOLVED (MG/L)		6.41
16702	3/18/2004 (		OXYGEN, DISSOLVED (MG/L)		8.66
12857	4/3/2003 (		OXYGEN, DISSOLVED (MG/L)		8.59
16702	7/23/2003 (		OXYGEN, DISSOLVED (MG/L)		5.3
12857	1/15/2003 (		OXYGEN, DISSOLVED (MG/L)		9.82
16702	4/3/2003 (		OXYGEN, DISSOLVED (MG/L)		6.52
12857	3/18/2004 (		OXYGEN, DISSOLVED (MG/L)		9.59
16702	7/30/2003 (		OXYGEN, DISSOLVED (MG/L)		4.5
16702	8/20/2003 (		OXYGEN, DISSOLVED (MG/L)		4.04
	10/10/2003		OXYGEN, DISSOLVED (MG/L)		4.26
12857	8/20/2003		OXYGEN, DISSOLVED (MG/L)		4.76
12857	10/10/2003		OXYGEN, DISSOLVED (MG/L)		5.58
12857	9/4/2002		OXYGEN, DISSOLVED (MG/L)		7.38
16702	9/4/2002 (		OXYGEN, DISSOLVED (MG/L)		5.68
12857	2/20/2003 (		OXYGEN, DISSOLVED (MG/L)		9.5
12857	8/15/2002 (		OXYGEN, DISSOLVED (MG/L)		6.57
16702	2/20/2003		OXYGEN, DISSOLVED (MG/L)		9.29
12857	8/27/2002 (		OXYGEN, DISSOLVED (MG/L)		7.51
16702	1/15/2003 (		OXYGEN, DISSOLVED (MG/L)		8.95
16702	7/7/2004 (		OXYGEN, DISSOLVED (MG/L)		6.49
16702	3/12/2003		OXYGEN, DISSOLVED (MG/L)		8.81
16702	5/26/2004 (		OXYGEN, DISSOLVED (MG/L)		7.09
12857	3/12/2003		OXYGEN, DISSOLVED (MG/L)		9.22
12857	5/26/2004 (		OXYGEN, DISSOLVED (MG/L)		8.24
16702	8/15/2002 (		OXYGEN, DISSOLVED (MG/L)		6.5
16702	9/4/2002 (		CBOD)	<	2
	10/10/2003		CBOD)	<	2
12857	9/4/2002 (		CBOD)	<	2
12857	10/10/2003		CBOD)	<	2
16702	8/27/2002 (	00307	CBOD)	<	2
12857	8/15/2002 (	00307	CBOD)	<	2
16702	8/15/2002 (	00307	CBOD)	<	2
12857	8/27/2002 (	00307	CBOD)	<	2
12857	8/15/2002 (	00400	PH (STANDARD UNITS)		8.06
12857	5/26/2004 (	00400	PH (STANDARD UNITS)		7.96
16702	3/12/2003 (	00400	PH (STANDARD UNITS)		7.84
16702	8/20/2003 (	00400	PH (STANDARD UNITS)		7.45
16702	6/4/2003 (	00400	PH (STANDARD UNITS)		7.51
16702	5/26/2004 (	00400	PH (STANDARD UNITS)		7.77
12857	8/20/2003	00400	PH (STANDARD UNITS)		7.43
16702	3/18/2004 (		PH (STANDARD UNITS)		7.58
12857	7/30/2003 (		PH (STANDARD UNITS)		7.59
12857	10/10/2003 (		PH (STANDARD UNITS)		7.5
16702	8/13/2003 (		PH (STANDARD UNITS)		7.5
12857	7/7/2004 (		PH (STANDARD UNITS)		8.1
16702	8/15/2002 (		PH (STANDARD UNITS)		7.72
	10/10/2003 (		PH (STANDARD UNITS)		7.6

16702	7/30/2003 00400	PH (STANDARD UNITS)		7.45
12857	8/13/2003 00400	PH (STANDARD UNITS)		7.58
12857	8/27/2002 00400	PH (STANDARD UNITS)		7.61
12857	3/18/2004 00400	PH (STANDARD UNITS)		8.02
12857	2/20/2003 00400	PH (STANDARD UNITS)		8.01
16702	2/20/2003 00400	PH (STANDARD UNITS)		7.81
16702	4/3/2003 00400	PH (STANDARD UNITS)		7.77
16702	8/27/2002 00400	PH (STANDARD UNITS)		7.64
12857	9/4/2002 00400	PH (STANDARD UNITS)		7.85
12857	3/12/2003 00400	PH (STANDARD UNITS)		7.79
16702	7/7/2004 00400	PH (STANDARD UNITS)		7.8
12857	1/15/2003 00400	PH (STANDARD UNITS)		8.44
16702	1/15/2003 00400	PH (STANDARD UNITS)		7.91
16702	7/23/2003 00400	PH (STANDARD UNITS)		7.41
12857	6/4/2003 00400	PH (STANDARD UNITS)		7.8
12857	4/3/2003 00400	PH (STANDARD UNITS)		8.19
12857	7/23/2003 00400	PH (STANDARD UNITS)		7.66
12857	2/20/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		147.97
12857	8/15/2002 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186
16702	2/20/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		106.89
12857	3/18/2004 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		162
16702	8/15/2002 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		220
16702	3/18/2004 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		168
12857	7/30/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		186
12857	3/12/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		203.15
	10/10/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		212
12857	8/13/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		209.58
12857	8/27/2002 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		210
16702	8/13/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		248.29
16702	3/12/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		20.55
16702	7/30/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		218.76
16702	1/15/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		345.19
12857	5/26/2004 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		170
16702	4/3/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		224.43
12857	7/7/2004 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		156
12857	6/4/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		192.3
16702	6/4/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		152.86
12857	1/15/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		248.91
12857	10/10/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		236
12857	7/23/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		172.39
16702	8/27/2002 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		216
16702	7/7/2004 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		198
16702	7/23/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		215.16
12857	4/3/2003 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		204.5
16702	5/26/2004 00410	ALKALINITY, TOTAL (MG/L AS CACO3)		212
16702	7/7/2004 00530	TOTAL SUSPENDED SOLIDS (MG/I)	<	1
12857	10/10/2003 00530	TOTAL SUSPENDED SOLIDS (MG/I)		9
12857	7/7/2004 00530	TOTAL SUSPENDED SOLIDS (MG/I)	<	1
16702	5/26/2004 00530	TOTAL SUSPENDED SOLIDS (MG/I)		7
12857	3/18/2004 00530	TOTAL SUSPENDED SOLIDS (MG/I)		3
12857	5/26/2004 00530	TOTAL SUSPENDED SOLIDS (MG/l)	<	1
	10/10/2003 00530	TOTAL SUSPENDED SOLIDS (MG/I)	<	1
16702	3/18/2004 00530	TOTAL SUSPENDED SOLIDS (MG/I)		6
12857	2/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.08
12857	8/27/2002 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.12

16702	2/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		1.54
12857	5/26/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.03
16702	7/7/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03
16702	1/15/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.28
12857	7/7/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03
12857	1/15/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.21
16702	8/15/2002 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1
12857	10/10/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
12857	8/15/2002 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.11
12857	6/4/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	8/27/2002 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.1
12857	7/23/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	4/3/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
	10/10/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	5/26/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03
12857	4/3/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	6/4/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
12857	3/18/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03
16702	7/30/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.03
			<	1
12857	3/12/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
12857	8/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	8/20/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	3/18/2004 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	0.03
12857	8/13/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
12857	7/30/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	3/12/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	8/13/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
16702	7/23/2003 00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	<	1
12857	4/3/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.02
12857	3/12/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	4/3/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	8/27/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.5
12857	8/15/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.57
16702	7/23/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	6/4/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	8/13/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
12857	7/23/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	3/12/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	8/15/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.7
12857	7/30/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	7/30/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
12857	8/20/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	8/20/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
12857	8/13/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
12857	8/27/2002 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.5
12857	6/4/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.0
12857	5/26/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05
			<	
12857	3/18/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05
	10/10/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05
16702	7/7/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05
16702	5/26/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05
	10/10/2003 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	1
16702	3/18/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	<	0.05
12857	7/7/2004 00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)		0.05
16702	1/15/2003 00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.35

16702 3/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET, (MG/L AS N)	40057	0/45/0000	00004	NUTDITE DI LICAUTDATE DIOCA DET (MO/L ACAI)		4.5
16702   5/26/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N.)   0.00						1.5
12857 3/18/2004 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)						
12857   8/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.18						
12857   1/15/2003   O631						
12857   5/26/2004 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.12					<	
12857   37/30/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.18   16702   37/15/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.18   16702   37/15/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   37/15/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   37/20/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   37/20/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.46   16702   77/20/204 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.46   16702   77/20/204 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.00   16702   10/10/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   64/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   87/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   87/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   87/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   12857   64/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   64/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   64/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   37/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   12857   37/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   12857   37/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   47/32/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   47/32/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   47/32/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   47/32/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.04   16702   47/32/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   16702   47/32/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   16702   47/32/2003 0						
12857   7/30/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.18   12867   8/20/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.48   16702   8/20/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.48   16702   7/72/2004   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   16702   7/72/2004   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   16702   7/72/2004   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.00   16702   10/10/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   6/4/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   6/4/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   8/7/2002   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   6/4/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.23   16702   6/4/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.24   12857   4/3/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   16702   7/30/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   16702   7/30/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   10/10/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   3/12/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.42   12857   3/12/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   3/18/2004   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   3/18/2004   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   12857   3/12/2003   O0631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   12857   3/12/2003   O0663   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.06   12857   3/12/2003   O0665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   12857   3/12/2003   O0665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   12857   3/12/2003   O0665   PHOSPHORUS, TOTAL, WET METHOD (MG/L					<	
16702 8/15/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.42						
12857   8/20/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.43     16702   7/23/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     16702   7/23/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     16702   7/23/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     16702   7/23/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.68     12857   7/23/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22     16702   8/27/2002   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22     16702   8/27/2002   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.23     12857   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     12857   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     16702   7/30/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45     12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45     12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45     12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45     16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.46     16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.33     16702   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.044     16702   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.044     16702   3/18						
16702   8/20/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   16702   77/2024   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   16702   77/2024   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   12857   77/2024   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   6/4/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   6/4/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.23   16702   8/27/2002   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   12857   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.21   12857   6/4/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.41   16702   7/30/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   10/10/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   12857   10/10/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.46   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.30   16702   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.31   16702   8/13/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.31   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS N)   0.77   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.044   16702   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.045   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.065   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   1285					<	1
16702   7/23/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.04   16702   10/10/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   16702   10/10/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.25   16702   6/4/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.25   16702   8/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   8/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   8/27/2002 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.26   12857   6/4/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   6/4/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   10/10/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   10/10/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   3/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   3/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.45   16702   4/3/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.06   16702   4/3/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.07   16702   8/13/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.75   16702   8/13/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.75   12857   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/18/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/18/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/12/2003 00665   PHOSPHORUS, TOTAL,						
16702						
16702   10/10/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.22   16702   64/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   64/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   8/27/2002   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   12857   64/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   64/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   64/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   12857   10/10/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   13/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44   12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.47   12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   16702   8/13/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.07   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.042   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.044   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   12857   3/12/						
12857 7/23/2003 00631 NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)					<	
16702						0.8
16702   8/27/2002   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   < 0.2   12857   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   < 0.11   12857   6/4/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14   16702   7/30/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.48   12857   10/10/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.49   12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   16702   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.31   16702   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   7/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.042   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.047   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   8/12/						
12857	16702			, , ,		0.27
12857   6/4/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.14     16702   7/30/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     12857   10/10/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.44     12857   3/12/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27     16702   3/18/2004 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05     16702   4/3/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05     16702   4/3/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.03     16702   8/13/2003 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05     12857   7/7/2004 00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05     12857   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.044     16702   3/18/2004 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074     16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.176     16702   3/12/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066     12857   8/13/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066     12857   8/13/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.050     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.050     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.051     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053     16702   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054     12857   7/30/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054     12857   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054     12857   8/20/2003 00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.054     12857   8/20/2003 00					<	0.2
16702					<	0.11
12857   10/10/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.27   16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.30   16702   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.31   16702   8/13/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   7/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.04   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.04   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.176   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.176   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.532   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   8/27/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   8/27/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   8/27/2003   00665	12857	6/4/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.14
12857   3/12/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	16702	7/30/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.49
16702   3/18/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   16702   4/3/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.37   12857   7/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   7/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.05   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.042   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.176   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.176   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   4/3/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   4/3/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.025   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.026   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.026   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.026   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.026   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.026   12857   10/10/2003   00665   PH	12857 1	10/10/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.4
16702	12857	3/12/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.27
16702   8/13/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   77/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   < 0.06   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.042   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   12857   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.186   12857   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.014   12857   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/22004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/22004   00665   PHOSPHORUS, TOTAL, WET	16702	3/18/2004	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	<	0.05
16702   8/13/2003   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   0.72   12857   7/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)   < 0.06   12857   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.042   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.074   16702   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.076   16702   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.050   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.050   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   3/18/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.126   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/22004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   7/22004   00665   PHOSPHORUS, TOTAL, WET ME	16702	4/3/2003	00631	NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)		0.31
12857   7/7/2004   00631   NITRITE PLUS NITRATE, DISS 1 DET. (MG/L AS N)	16702	8/13/2003	00631			0.72
12857         3/12/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.042           16702         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.074           16702         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.176           16702         3/12/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.066           12857         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.053           16702         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.534           16702         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.534           16702         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.186           12857         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         7/31/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.019           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L					<	0.05
16702         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.074           16702         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.176           16702         3/12/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.066           12857         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           16702         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.532           16702         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.532           16702         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.534           16702         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS						0.042
16702   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.176   16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.053   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.185   12857   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   12857   4/3/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.015   12857   4/3/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.125   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.125   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.06   16702   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.016   16702   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   16702   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.017   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET MET				· ·		
16702   3/12/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.066   12857   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.052   16702   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.532   16702   8/13/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.534   16702   7/23/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.186   12857   7/30/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.018   12857   3/18/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.019   12857   4/3/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.019   12857   4/3/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.128   12857   10/10/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.128   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.05   12857   6/4/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   8/20/2003   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)   0.01   12857   7/7/2004   00665   PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)						
12857         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           16702         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.532           16702         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.534           16702         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.185           12857         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.015           12857         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.015           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.015           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)				· ·		
16702         8/20/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.532           16702         8/13/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.534           16702         7/23/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.185           12857         7/30/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         3/18/2004 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.015           12857         4/3/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.015           12857         4/3/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.125           12857         10/10/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/23/2003 00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01						
16702         8/13/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.534           16702         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.185           12857         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.019           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.012           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.012           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS					<	
16702         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.185           12857         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.125           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
12857         7/30/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.019           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          1           16702         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTA						
12857         3/18/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.018           12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         1           16702         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.125           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)					,	
12857         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          1           16702         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.125           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         5/26/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01						
16702         4/3/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.125           12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         8/15/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0						
12857         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.05           12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.03           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           12857         5/26/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01           16702         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.15           16702         8/15/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.15           12857         8/15/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)					<	-
12857         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         6/4/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         10/10/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         7/23/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         8/20/2003         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         8/27/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           12857         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         7/7/2004         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.01           16702         8/15/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.15           12857         8/15/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)          0.15           12857         8/15/2002         00665         PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P) </td <td></td> <td></td> <td></td> <td>·</td> <td></td> <td></td>				·		
16702       6/4/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         16702       10/10/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.737         12857       7/23/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)         0.01         12857       8/20/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.09         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.15         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.15         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004 <td></td> <td></td> <td></td> <td>· ·</td> <td></td> <td></td>				· ·		
16702       10/10/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       0.737         12857       7/23/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       < 0.01						
12857       7/23/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       8/20/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.095         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00665 </td <td></td> <td></td> <td></td> <td>·</td> <td>&lt;</td> <td></td>				·	<	
12857       8/20/2003       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.095         16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1				· ·		
12857       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00671       ORTHOPHOSPHORUS(MG/L AS P)        0.01				·		
12857       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         12857       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00671       ORTHOPHOSPHORUS(MG/L AS P)        0.01						
12857       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.01         16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       0.095         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00671       ORTHOPHOSPHORUS(MG/L AS P)        0.01						
16702       7/7/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       0.095         16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       < 0.1				·	<	
16702       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00671       ORTHOPHOSPHORUS(MG/L AS P)        0.01				· ·	<	0.01
16702       5/26/2004       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       0.152         12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       < 0.1						0.095
12857       8/15/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)        0.1         12857       7/7/2004       00671       ORTHOPHOSPHORUS(MG/L AS P)        0.01					<	0.1
16702       8/27/2002       00665       PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)       < 0.1				· ·		0.152
12857 7/7/2004 00671 ORTHOPHOSPHORUS(MG/L AS P) < 0.01	12857	8/15/2002	00665		<	0.1
	16702	8/27/2002	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	<	0.1
16702 1/15/2003 00671 ORTHOPHOSPHORUS(MG/L AS P) 0.36	12857	7/7/2004	00671	ORTHOPHOSPHORUS(MG/L AS P)	<	0.01
	16702	1/15/2003	00671	ORTHOPHOSPHORUS(MG/L AS P)		0.36

16702	8/27/2002 006		ORTHOPHOSPHORUS(MG/L AS P)	<	0.1
16702	8/13/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.68
12857	8/27/2002 006		ORTHOPHOSPHORUS(MG/L AS P)	<	0.1
16702	7/7/2004 006		ORTHOPHOSPHORUS(MG/L AS P)		0.049
12857	6/4/2003 006		ORTHOPHOSPHORUS(MG/L AS P)	<	0.01
12857			ORTHOPHOSPHORUS(MG/L AS P)		0.047
16702	8/20/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.91
12857	5/26/2004 006	671 (	ORTHOPHOSPHORUS(MG/L AS P)	<	0.01
16702	4/3/2003 006	671	ORTHOPHOSPHORUS(MG/L AS P)		0.121
12857	1/15/2003 006	671	ORTHOPHOSPHORUS(MG/L AS P)		0.18
16702	2/20/2003 006	671	ORTHOPHOSPHORUS(MG/L AS P)		0.18
16702	7/30/2003 006	671	ORTHOPHOSPHORUS(MG/L AS P)		0.25
12857	4/3/2003 006	671	ORTHOPHOSPHORUS(MG/L AS P)		0.012
12857	2/20/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.08
12857	3/18/2004 006		ORTHOPHOSPHORUS(MG/L AS P)		0.014
16702	7/23/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.22
12857	3/12/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.02
12857	8/13/2003 006		DRTHOPHOSPHORUS(MG/L AS P)	<	0.01
16702	6/4/2003 006		DRTHOPHOSPHORUS(MG/L AS P)	_	0.01
16702			DRTHOPHOSPHORUS(MG/L AS P)	_	0.1
			· ·	<	
16702			ORTHOPHOSPHORUS(MG/L AS P)		0.651
16702	3/18/2004 006		ORTHOPHOSPHORUS(MG/L AS P)		0.046
16702	3/12/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.05
12857	7/30/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.01
12857	8/20/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.01
12857	7/23/2003 006		ORTHOPHOSPHORUS(MG/L AS P)		0.01
12857	8/15/2002 006		ORTHOPHOSPHORUS(MG/L AS P)	<	0.1
16702	5/26/2004 006		ORTHOPHOSPHORUS(MG/L AS P)		0.12
12857	7/23/2003 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		2.309
12857	1/15/2003 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.365
16702	4/3/2003 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.57
12857	10/10/2003 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		2.8
16702	10/10/2003 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		4.2
16702	7/7/2004 006		CARBON, TOTAL ORGANIC (MG/L AS C)		5.5
12857			CARBON, TOTAL ORGANIC (MG/L AS C)		4.37
16702			CARBON, TOTAL ORGANIC (MG/L AS C)		3.05
12857	7/7/2004 006		CARBON, TOTAL ORGANIC (MG/L AS C)		4.8
12857			CARBON, TOTAL ORGANIC (MG/L AS C)		3.86
16702	6/4/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		5.04
12857	7/30/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		7.12
	8/20/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		3.8
16702					
16702	5/26/2004 006		CARBON, TOTAL ORGANIC (MG/L AS C)		4.9
12857	8/27/2002 006		CARBON, TOTAL ORGANIC (MG/L AS C)		1.68
12857	8/13/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		2.2
16702	3/12/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		6.58
12857	8/15/2002 006		CARBON, TOTAL ORGANIC (MG/L AS C)		3.4
12857	4/3/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		5.52
12857	3/12/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		8.13
16702	8/15/2002 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		3.5
16702	7/23/2003 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		2.76
12857	5/26/2004 006	680	CARBON, TOTAL ORGANIC (MG/L AS C)		2
16702	3/18/2004 006		CARBON, TOTAL ORGANIC (MG/L AS C)		2.3
16702	2/20/2003 006		CARBON, TOTAL ORGANIC (MG/L AS C)		9.43
16702	9/4/2002 006		CARBON, TOTAL ORGANIC (MG/L AS C)		1.97
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12857	3/18/2004 2/20/2003		CARBON, TOTAL ORGANIC (MG/L AS C)		3.6
12857			CARBON, TOTAL ORGANIC (MG/L AS C)		6.51
16702	1/15/2003		CARBON, TOTAL ORGANIC (MG/L AS C)		3.557
16702	8/27/2002		CARBON, TOTAL ORGANIC (MG/L AS C)		1.6
12857	9/4/2002				1
12857	7/31/2003				2
16702	7/31/2003				2
16702	9/5/2002				2
16702	9/5/2002			Int	42
12857	7/31/2003			Int	44
16702	7/31/2003			IntHg	46
12857	9/4/2002			Int	42
12857	7/31/2003		Number of native cyprinid species		5
12857	9/4/2002	00813	Number of native cyprinid species		4
16702	7/31/2003	00813	Number of native cyprinid species		4
16702	9/5/2002	00813	Number of native cyprinid species		3
16702	9/5/2002	00814	Number of benthic invertivore species		2
16702	7/31/2003	00814	Number of benthic invertivore species		2
12857	9/4/2002	00814	Number of benthic invertivore species		1
12857	7/31/2003	00814	Number of benthic invertivore species		2
16702	9/5/2002	00816	Percentage of individuals as tolerants ex.G.affinis		9.8
16702	7/31/2003	00816	Percentage of individuals as tolerants ex.G.affinis		2.77
12857	7/31/2003	00816	Percentage of individuals as tolerants ex.G.affinis		6.95
12857	9/4/2002		Percentage of individuals as tolerants ex.G.affinis		24.8
12857	7/31/2003		Number of individuals/seine haul		37.3
12857	9/4/2002		Number of individuals/seine haul		16
16702	9/5/2002		Number of individuals/seine haul		9.3
16702	7/31/2003		Number of individuals/seine haul		25.5
16702	7/31/2003		Number of individuals/min electrofishing		6.67
12857	7/31/2003		Number of individuals/min electrofishing		7.1
12857	9/4/2002		Number of individuals/min electrofishing		9.4
16702	9/5/2002		Number of individuals/min electrofishing		4.4
12857	9/4/2002		Percentage of ind. as non-native species		5.9
16702	7/31/2002		Percentage of ind. as non-native species		0.79
16702	9/5/2002		Percentage of ind. as non-native species		4.1
12857	7/31/2002		Percentage of ind. as non-native species		0.6
12857	9/4/2002			Hgh	49
12857	7/31/2002			Exc	57
16702	9/5/2002			Excp	53
16702	7/31/2002		·	Exc	57
12857 16702	9/4/2002			Int Hab	28 34
	9/5/2002			Hgh ⊔gh	
16702	7/31/2003			Hgh ⊔gh	34
12857	7/31/2003			Hgh ⊔gh	35
16702	7/31/2003			Hgh Int	23
12857	7/31/2003			Int	16
12857	9/4/2002		·	Int	16
16702	9/5/2002			Hgh	23
16702	3/12/2003		CHLORIDE (MG/L AS CL)		20.55
16702	8/13/2003		CHLORIDE (MG/L AS CL)		44.18
16702	3/18/2004		CHLORIDE (MG/L AS CL)		26
12857	3/18/2004		CHLORIDE (MG/L AS CL)		26
12857	4/3/2003		CHLORIDE (MG/L AS CL)		12.72
16702	4/3/2003		CHLORIDE (MG/L AS CL)		21.3
12857	8/20/2003	00940	CHLORIDE (MG/L AS CL)		37.32

12857 10	/10/2003	00940	CHLORIDE (MG/L AS CL)		43
12857	6/4/2003	00940	CHLORIDE (MG/L AS CL)		14.28
16702	6/4/2003	00940	CHLORIDE (MG/L AS CL)		19.26
12857 7	/23/2003	00940	CHLORIDE (MG/L AS CL)		17.44
16702 10	/10/2003	00940	CHLORIDE (MG/L AS CL)		63
16702 7	/23/2003	00940	CHLORIDE (MG/L AS CL)		26.82
	/13/2003	00940	CHLORIDE (MG/L AS CL)		17.34
	/30/2003		CHLORIDE (MG/L AS CL)		17.82
	/30/2003		CHLORIDE (MG/L AS CL)		30.66
	/20/2003		CHLORIDE (MG/L AS CL)		49.87
	/20/2003		CHLORIDE (MG/L AS CL)		14.24
	7/7/2004		CHLORIDE (MG/L AS CL)		23
	/15/2004		CHLORIDE (MG/L AS CL)		11.81
	/15/2003		CHLORIDE (MG/L AS CL)		18.58
	7/7/2004		CHLORIDE (MG/L AS CL)		22
	/20/2003		CHLORIDE (MG/L AS CL)		10.33
	/12/2003		CHLORIDE (MG/L AS CL)		14.53
	/27/2002		CHLORIDE (MG/L AS CL)		10.9
	/26/2004		CHLORIDE (MG/L AS CL)		24
	/15/2002		CHLORIDE (MG/L AS CL)		18.1
	/26/2004		CHLORIDE (MG/L AS CL)		26
	/15/2002		CHLORIDE (MG/L AS CL)		9.8
16702 8	/27/2002	00940	CHLORIDE (MG/L AS CL)		16.2
16702	6/4/2003	00945	SULFATE (MG/L AS SO4)		9.27
16702	7/7/2004	00945	SULFATE (MG/L AS SO4)		33.5
16702 7	/30/2003	00945	SULFATE (MG/L AS SO4)		220.54
16702 8	/27/2002	00945	SULFATE (MG/L AS SO4)		23.8
12857	7/7/2004	00945	SULFATE (MG/L AS SO4)		23.6
12857 7	/30/2003	00945	SULFATE (MG/L AS SO4)	<	7.2
	/15/2003		SULFATE (MG/L AS SO4)	<	7.2
	/23/2003		SULFATE (MG/L AS SO4)		20.34
	/15/2003		SULFATE (MG/L AS SO4)		15.11
	/12/2003		SULFATE (MG/L AS SO4)		9.99
	/23/2003		SULFATE (MG/L AS SO4)	<	7.2
	/20/2003		SULFATE (MG/L AS SO4)	<	7.2
16702 10			SULFATE (MG/L AS SO4)		47
	/15/2003		SULFATE (MG/L AS SO4)		20
	/20/2003		SULFATE (MG/L AS SO4)		7.2
			SULFATE (MG/L AS SO4)	<	
	6/4/2003		·	<	7.2
	/12/2003		SULFATE (MG/L AS SO4)	<	7.2
	/26/2004		SULFATE (MG/L AS SO4)		25.8
	/10/2003		SULFATE (MG/L AS SO4)		31
	4/3/2003		SULFATE (MG/L AS SO4)		22.86
	/26/2004		SULFATE (MG/L AS SO4)		39.5
	/27/2002		SULFATE (MG/L AS SO4)		38
	4/3/2003		SULFATE (MG/L AS SO4)		40.71
	/18/2004		SULFATE (MG/L AS SO4)		19
	/15/2002		SULFATE (MG/L AS SO4)		15.4
	/20/2003		SULFATE (MG/L AS SO4)		13.16
16702 8	/20/2003	00945	SULFATE (MG/L AS SO4)		32.88
16702 8	/13/2003	00945	SULFATE (MG/L AS SO4)		31.76
12857 8	/13/2003	00945	SULFATE (MG/L AS SO4)	<	7.2
12857	7/7/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
	/26/2004	01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
	/10/2003		FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3

12857	4/3/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
12857	8/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3 2 2
16702	8/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2
16702	3/12/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
16702	8/13/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2
12857	7/23/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2 2
12857	2/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		4
12857	7/30/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2
12857	10/10/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
16702	7/7/2004 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
16702	4/3/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
16702	3/18/2004 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
12857	3/18/2004 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
12857	8/13/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		4 2 3 3 3 3 3 2 5 3
12857	1/15/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5
16702	6/4/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
12857	5/26/2004 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
16702	7/30/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		
12857	6/4/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2
16702	1/15/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		5
16702	2/20/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		4
12857	3/12/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		3
16702	7/23/2003 01351	FLOW:1=No Flow,2=Low,3=Normal,4=Flood,5=High,6=D		2
16702	8/15/2002 31616	#/100ML		920
12857	8/15/2002 31616	#/100ML		2860
12857	9/4/2002 31616	#/100ML		11360
16702	3/12/2003 31616	#/100ML		35.5
16702	8/27/2002 31616	#/100ML		137
12857	8/27/2002 31616	#/100ML		5000
16702	7/30/2003 31616	#/100ML		120
12857	7/30/2003 31616	#/100ML		196
12857	3/12/2003 31616	#/100ML		120
12857	10/10/2003 31648	E. COLI, MTEC, MF, #/100 ML		420
12857	5/26/2004 31648	E. COLI, MTEC, MF, #/100 ML		60
16702	7/7/2004 31648	E. COLI, MTEC, MF, #/100 ML		204
12857	7/7/2004 31648	E. COLI, MTEC, MF, #/100 ML		84
12857	3/18/2004 31648	E. COLI, MTEC, MF, #/100 ML		96
16702	10/10/2003 31648	E. COLI, MTEC, MF, #/100 ML		84
16702	5/26/2004 31648	E. COLI, MTEC, MF, #/100 ML		218
16702	7/30/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		30.5
16702	9/4/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		95.9
12857	7/23/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	>	2419
12857	8/27/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		96
12857	8/13/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	>	2419
16702	7/23/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		54.6
12857	8/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	>	2418
12857	2/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		461.1
16702	8/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		10.8
12857	8/15/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		249.2
16702	8/15/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		613.1
12857	7/30/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	>	2419
16702	2/20/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		71.7
12857	3/12/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		69.1
16702	8/27/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	>	2419.2
16702	6/4/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		39.3

12857 12857	6/4/2003 31699 9/4/2002 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	>	2419.2 2419.2
16702	3/12/2003 31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML		86.5
16702	4/3/2003 32211	METH	<	0.25
16702	3/12/2003 32211	METH	<	0.25
12857	2/20/2003 32211	METH	<	0.25
16702	3/18/2004 32211	METH	<	0.20
12857	4/3/2003 32211	METH	<	0.25
	10/10/2003 32211	METH		1.7
16702	7/23/2003 32211	METH	<	0.25
12857	8/27/2002 32211	METH	<	0.20
12857	8/20/2003 32211	METH	<	0.25
16702	8/20/2003 32211	METH		0.25
16702	7/30/2003 32211	METH	< <	0.25
12857	7/7/2004 32211	METH		
		METH	<	1
16702	8/15/2002 32211	METH	<	1
12857	3/18/2004 32211		<	
12857	7/30/2003 32211	METH	<	0.25
16702	5/26/2004 32211	METH METH		0.05
16702	8/13/2003 32211		<	0.25
12857	5/26/2004 32211 8/27/2002 32211	METH	<	1
16702		METH	<	2
16702	6/4/2003 32211	METH	<	0.25
16702	7/7/2004 32211	METH	<	0.01
12857	7/23/2003 32211	METH	<	0.25
16702	2/20/2003 32211	METH	<	0.25
12857	8/13/2003 32211	METH	<	0.25
12857	3/12/2003 32211	METH	<	0.25
16702	9/4/2002 32211	METH	<	0.25
12857	6/4/2003 32211	METH	<	0.25
12857	8/15/2002 32211	METH	<	2
12857	9/4/2002 32211	METH	<	0.25
	10/10/2003 32211	METH		3
16702	4/3/2003 32218	METH.	<	0.25
	10/10/2003 32218	METH.	<	1
16702	8/13/2003 32218	METH.	<	0.25
12857	7/7/2004 32218	METH.	<	1
16702	3/12/2003 32218	METH.	<	0.25
12857	3/12/2003 32218	METH.	<	0.25
12857	3/18/2004 32218	METH.		8.8
12857	9/4/2002 32218	METH.	<	0.25
12857	4/3/2003 32218	METH.	<	0.25
16702	8/15/2002 32218	METH.	<	2
16702	6/4/2003 32218	METH.	<	0.25
12857	5/26/2004 32218	METH.		3.3
12857	7/23/2003 32218	METH.	<	0.25
16702	8/27/2002 32218	METH.	<	2
16702	2/20/2003 32218	METH.	<	0.25
16702	7/23/2003 32218	METH.	<	0.25
16702	9/4/2002 32218	METH.	<	0.2
12857	7/30/2003 32218	METH.	<	0.2
12857	8/13/2003 32218	METH.	<	0.25
16702	7/7/2004 32218	METH.	<	•
16702	5/26/2004 32218	METH.		1.17
16702	8/20/2003 32218	METH.	<	0.25

16702 12857	7/30/2003 8/20/2003		METH.	<	0.25 0.25
12857	8/27/2002		METH.		0.23
			METH.	<	
12857	8/15/2002				3.9
	10/10/2003		METH.	<	1
16702	3/18/2004		METH.		8
12857	2/20/2003		METH.	<	0.25
12857	6/4/2003		METH.	<	0.25
16702	7/31/2003		STREAMBED SLOPE (FT/FT)		0.0013
12857	9/4/2002		STREAMBED SLOPE (FT/FT)		0.0076
12857	7/31/2003		STREAMBED SLOPE (FT/FT)		0.0076
16702	9/5/2002		STREAMBED SLOPE (FT/FT)		0.0013
16702	7/7/2004		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7
12857	5/26/2004		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7
16702	7/30/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
12857	1/15/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		2
16702	6/4/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		1
16702	1/15/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		2
16702	3/18/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7
16702	5/26/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7
12857	6/4/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)		1
16702	7/23/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
12857	7/23/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
12857	7/7/2004	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7
16702	8/20/2003	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
12857	7/30/2003		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
16702	8/13/2003		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
12857	8/20/2003		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
12857	3/18/2004		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	7
12857	8/13/2003		DAYS SINCE PRECIPITATION EVENT (DAYS)	>	14
16702	7/31/2003		AVERAGE PERCENTAGE INSTREAM COVER	-	35
16702	9/5/2002		AVERAGE PERCENTAGE INSTREAM COVER		51
12857	7/31/2003		AVERAGE PERCENTAGE INSTREAM COVER		19
12857	9/4/2002		AVERAGE PERCENTAGE INSTREAM COVER		34
16702	9/5/2002		STREAM ORDER		4
12857	9/4/2002		STREAM ORDER		4
12857	7/31/2002		STREAM ORDER		4
16702	7/31/2003		STREAM ORDER		4
12857 12857	7/31/2003		NUMBER OF LATERAL TRANSECTS MADE		5 5
	9/4/2002		NUMBER OF LATERAL TRANSECTS MADE		5
16702	9/5/2002		NUMBER OF LATERAL TRANSECTS MADE		5
16702	7/31/2003		NUMBER OF LATERAL TRANSECTS MADE		
12857	7/7/2004		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
12857	8/15/2002		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
16702	8/20/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
16702	8/15/2002		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
	10/10/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
12857	2/20/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
16702	4/3/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
12857	4/3/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
16702	6/4/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
12857	3/12/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
12857	8/20/2003		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
16702	3/18/2004		FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2
16702	7/23/2003	89835	FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu		2

16702       3/12/2003       89835       FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu         16702       8/13/2003       89835       FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu         16702       1/15/2003       89835       FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu         16702       10/10/2003       89835       FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 2 2 2 2 2 2
16702 1/15/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
·	
16702 10/10/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
,	2
16702 5/26/2004 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 7/23/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
16702 9/4/2002 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
16702 7/7/2004 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 9/4/2002 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 2 2
12857 7/30/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 5/26/2004 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 6/4/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 3/18/2004 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
16702 7/30/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2 2 2 2
16702 8/27/2002 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 1/15/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 8/13/2003 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 8/27/2002 89835 FLOW MTH 1=Gage Station 2=Elec 3=Mech 4=Weir/Flu	2
12857 7/31/2003 89839 TOTAL NUMBER OF STREAM BENDS	1
12857 9/4/2002 89839 TOTAL NUMBER OF STREAM BENDS	1
16702 9/5/2002 89839 TOTAL NUMBER OF STREAM BENDS	1
16702 7/31/2003 89839 TOTAL NUMBER OF STREAM BENDS	1
16702 9/5/2002 89840 NUMBER OF WELL DEFINED STREAM BENDS	0
12857 7/31/2003 89840 NUMBER OF WELL DEFINED STREAM BENDS	0
12857 9/4/2002 89840 NUMBER OF WELL DEFINED STREAM BENDS	0
16702 7/31/2003 89840 NUMBER OF WELL DEFINED STREAM BENDS	0
12857 9/4/2002 89841 NUMBER OF MODERATELY DEFINED STREAM BENDS	
16702 9/5/2002 89841 NUMBER OF MODERATELY DEFINED STREAM BENDS	0
16702 7/31/2003 89841 NUMBER OF MODERATELY DEFINED STREAM BENDS	0
12857 7/31/2003 89841 NUMBER OF MODERATELY DEFINED STREAM BENDS	0
12857 7/31/2003 89842 NUMBER OF POORLY DEFINED STREAM BENDS	1
12857 9/4/2002 89842 NUMBER OF POORLY DEFINED STREAM BENDS	1
16702 7/31/2003 89842 NUMBER OF POORLY DEFINED STREAM BENDS	1
16702 9/5/2002 89842 NUMBER OF POORLY DEFINED STREAM BENDS	1
12857 7/31/2003 89843 TOTAL NUMBER OF RIFFLES	2
12857 9/4/2002 89843 TOTAL NUMBER OF RIFFLES	3
16702 7/31/2003 89843 TOTAL NUMBER OF RIFFLES	3
16702 9/5/2002 89843 TOTAL NUMBER OF RIFFLES	3
12857 7/31/2003 89844 DOMINANT SUBSTRATE TYPE	7
12857 9/4/2002 89844 DOMINANT SUBSTRATE TYPE	7
16702 7/31/2003 89844 DOMINANT SUBSTRATE TYPE	7 5 5
16702 9/5/2002 89844 DOMINANT SUBSTRATE TYPE	
16702 9/5/2002 89845 LARG	78
12857 9/4/2002 89845 LARG	31
16702 7/31/2003 89845 LARG	93
12857 7/31/2003 89845 LARG	96
16702 9/5/2002 89846 AVERAGE STREAM BANK EROSION (%)	40
12857 9/4/2002 89846 AVERAGE STREAM BANK EROSION (%)	28
12857 7/31/2003 89846 AVERAGE STREAM BANK EROSION (%)	49
16702 7/31/2003 89846 AVERAGE STREAM BANK EROSION (%)	46
16702 7/31/2003 89847 AVERAGE STREAM BANK SLOPE (DEGREES)	16
16702 9/5/2002 89847 AVERAGE STREAM BANK SLOPE (DEGREES)	17
12857 9/4/2002 89847 AVERAGE STREAM BANK SLOPE (DEGREES)	40
	36
12857 7/31/2003 89847 AVERAGE STREAM BANK SLOPE (DEGREES)	

	12857	9/4/2002		VEGETATION	2
	12857	7/31/2003		VEGETATION	2
_	16702	7/31/2003		VEGETATION	8
	12857	7/31/2003		VEGETATION	0
	12857	9/4/2002		VEGETATION	2.3
	16702	7/31/2003		VEGETATION	2
	16702	9/5/2002		VEGETATION	2
	16702	9/5/2002		VEGETATION	62.5
	16702	7/31/2003		VEGETATION	72
	12857	9/4/2002		VEGETATION	25.4
	12857	7/31/2003	89851	VEGETATION	33
	16702	9/5/2002		VEGETATION	18.5
	12857	9/4/2002		VEGETATION	70.3
	12857	7/31/2003	89853	VEGETATION	65
	16702	7/31/2003	89853	VEGETATION	18
	16702	9/5/2002	89854	COVERAGE	87
	12857	7/31/2003	89854	COVERAGE	4
	16702	7/31/2003	89854	COVERAGE	92
	12857	9/4/2002	89854	COVERAGE	13
	16702	3/12/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.46
	12857	3/12/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.04
	12857	4/3/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.26
	16702	5/27/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.84
	16702	10/10/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	3.93
	12857	8/20/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.04
	12857	1/15/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	9.48
	12857	8/27/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.24
	16702	6/4/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	3.86
	16702	8/15/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.13
	16702	1/15/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.76
	12857	7/23/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.62
	12857	3/19/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.08
	16702	3/19/2004	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.32
	12857	2/20/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.13
	12857			DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.17
	16702	9/4/2002	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.42
	16702	2/20/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	8.25
	16702	7/23/2003	89855	DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.99
	16702	7/30/2003		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.48
	16702	4/3/2003		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.47
	16702			DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.04
	12857	7/30/2003		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.74
	16702	7/8/2004		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	5.36
	12857	6/4/2003		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	4.99
	12857	5/27/2004		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.1
	12857	8/15/2002		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	6.37
	12857	9/4/2002		DISSOLVED OXYGEN, 24-HOUR MIN. (MG/L) MIN. 4 MEA	7.21
	12857	7/30/2003		MEA	10.15
	16702	5/27/2004		MEA	8.17
	12857	8/15/2002		MEA	8.48
	12857	8/27/2002		MEA	7.94
	16702	4/3/2003		MEA	11.56
	16702	7/8/2004		MEA	7.48
	16702	9/4/2002		MEA	8.69
	16702	7/23/2003		MEA	11.27

16702 12857	1/15/2003 3/19/2004		MEA MEA	10.8
12857	9/4/2002		MEA	9.2
			MEA	
12857	1/15/2003		MEA	10.2
16702	7/30/2003			11.8
12857	4/3/2003		MEA	10.6
16702	3/12/2003		MEA	10.4
16702			MEA	8.2
16702	8/15/2002		MEA	8.3
16702	6/4/2003		MEA	7.1
12857			MEA	10.
16702	3/19/2004		MEA	8.5
16702	8/20/2003		MEA	8.6
12857	5/27/2004	89856	MEA	9.0
12857	2/20/2003	89856	MEA	10.3
12857	8/20/2003	89856	MEA	17.1
12857	6/4/2003	89856	MEA	9.
16702	2/20/2003	89856	MEA	11.3
12857	7/23/2003	89856	MEA	9.
12857	3/12/2003	89856	MEA	10.4
12857	8/15/2002		MEA	7.0
16702	4/3/2003		MEA	8.5
16702	3/19/2004		MEA	7.0
12857	5/27/2004		MEA	7.9
12857	4/3/2003		MEA	9.25
12857	3/12/2003		MEA	9.4
16702	7/23/2003		MEA	7.3
16702	7/8/2003		MEA	6.1
			MEA	6.0
16702			MEA	9.5
12857	2/20/2003		MEA	
12857	6/4/2003			6.6
16702	9/4/2002		MEA	5.9
12857	7/30/2003		MEA	7.
16702	5/27/2004		MEA	6.7
12857	7/23/2003		MEA	7.5
16702	3/12/2003		MEA	9.0
16702	1/15/2003		MEA	9.4
16702	7/30/2003	89857	MEA	7.6
12857	9/4/2002	89857	MEA	8.0
16702	8/15/2002	89857	MEA	6.9
12857	1/15/2003	89857	MEA	9.7
12857	8/27/2002	89857	MEA	6.8
16702	8/20/2003	89857	MEA	6.4
12857	8/20/2003	89857	MEA	7.9
16702	6/4/2003	89857	MEA	5.5
12857	3/19/2004	89857	MEA	8.4
12857	10/10/2003	89857	MEA	7.3
16702	2/20/2003		MEA	9.2
16702	7/23/2003		HRS	9
12857	3/19/2004		HRS	8
12857	7/23/2003		HRS	9
16702			HRS	9
12857	2/20/2003		HRS	9
12857	4/3/2003 2/20/2003		HRS HRS	9 9

16702 9/4/2002 89858	HRS HRS		96
12857 9/4/2002 89858			
16702 6/4/2003 89858	HRS		97
12857 7/30/2003 89858	HRS	_	96
16702 3/12/2003 89858	HRS		96
12857 8/15/2002 89858	HRS		94
12857 8/20/2003 89858	HRS		96
12857 8/27/2002 89858	HRS		96
16702 8/15/2002 89858	HRS		96
16702 5/27/2004 89858	HRS		96
16702 1/15/2003 89858	HRS		96
16702 7/30/2003 89858	HRS		96
12857 3/12/2003 89858	HRS		96
16702 4/3/2003 89858	HRS		97
16702 7/8/2004 89858	HRS		96
16702 3/19/2004 89858	HRS		90
12857 10/10/2003 89858	HRS		95
12857 6/4/2003 89858	HRS		97
12857 1/15/2003 89858	HRS		96
12857 5/27/2004 89858	HRS		96
16702 8/20/2003 89858	HRS		96
16702 9/5/2002 89859	TRANSECT (KM		163.3
12857 9/4/2002 89859	TRANSECT (KM		72.1
12857 7/31/2003 89859	TRANSECT (KM		72
16702 7/31/2003 89859	TRANSECT (KM		163
16702 9/5/2002 89860	LENGTH OF STREAM EVALUATED (KM)		0.225
16702 7/31/2003 89860	LENGTH OF STREAM EVALUATED (KM)		0.225
12857 7/31/2003 89860	LENGTH OF STREAM EVALUATED (KM)		0.2
12857 9/4/2002 89860	LENGTH OF STREAM EVALUATED (KM)		0.2
16702 7/31/2003 89861	AVERAGE STREAM WIDTH (METERS)		7.92
12857 7/31/2003 89861	AVERAGE STREAM WIDTH (METERS)		9.16
12857 9/4/2002 89861	AVERAGE STREAM WIDTH (METERS)		10.52
16702 9/5/2002 89861	AVERAGE STREAM WIDTH (METERS)		8.16
16702 7/31/2003 89862	AVERAGE STREAM DEPTH (METERS)		0.32
16702 9/5/2002 89862	AVERAGE STREAM DEPTH (METERS)		0.36
12857 7/31/2003 89862	AVERAGE STREAM DEPTH (METERS)		0.18
12857 9/4/2002 89862	AVERAGE STREAM DEPTH (METERS)		0.11
12857 9/4/2002 89864	MAXIMUM POOL WIDTH (METERS)		8
16702 9/5/2002 89864	MAXIMUM POOL WIDTH (METERS)		6
12857 7/31/2003 89864	MAXIMUM POOL WIDTH (METERS)		9
16702 7/31/2003 89864	MAXIMUM POOL WIDTH (METERS)		12
12857 9/4/2002 89865	MAXIMUM POOL DEPTH (METERS)	<	0.5
16702 7/31/2003 89865	MAXIMUM POOL DEPTH (METERS)	>	1
16702 9/5/2002 89865	MAXIMUM POOL DEPTH (METERS)	>	1
12857 7/31/2003 89865	MAXIMUM POOL DEPTH (METERS)	<	0.5
16702 9/5/2002 89866	VEGETATION (M)	>	20
12857 9/4/2002 89866	VEGETATION (M)		1
	VEGETATION (M)		20
	VEGETATION (M) VEGETATION (M)	>	10
12857 7/31/2003 89866 16702 7/31/2003 80867	· ·		10
16702 7/31/2003 89867	AESTHETICS (1 WILD 2 NAT 3 COMM 4 OFF)	_	
12857 9/4/2002 89867	AESTHETICS (1-WILD 2-NAT. 3-COMM. 4-OFF.)		3
16702 9/5/2002 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		2
12857 7/31/2003 89867	AESTHETICS (1=WILD 2=NAT. 3=COMM. 4=OFF.)		3
12857 7/31/2003 89899	KICKNET		1
12857 9/4/2002 89899	KICKNET		4

16702	9/5/2002		KICKNET		4
16702	7/31/2003		KICKNET		1
16702	7/31/2003		PICKED		0
12857	7/31/2003		PICKED		0
12857	9/4/2002		PICKED		0
16702	9/5/2002	89905	PICKED		0
16702	7/31/2003	89906	(#IND)		116
16702	9/5/2002	89906	(#IND)		104
12857	9/4/2002	89906	(#IND)		101
12857	7/31/2003	89906	(#IND)		110
16702	9/5/2002	89941	NET LENGTH (METERS)		5.49
12857	7/31/2003	89941	NET LENGTH (METERS)		5.49
16702	7/31/2003		NET LENGTH (METERS)		5.49
12857	9/4/2002		NET LENGTH (METERS)		5.49
16702	9/5/2002		1BOAT2BACKPACK3TOTEBARGE		2
12857	9/4/2002		1BOAT2BACKPACK3TOTEBARGE		2
12857	7/31/2002		1BOAT2BACKPACK3TOTEBARGE		2
16702	7/31/2003		1BOAT2BACKPACK3TOTEBARGE		2
12857	7/31/2003				899
			(SEC)	>	
16702	7/31/2003		(SEC)		900
16702	9/5/2002		(SEC)	>	900
12857	9/4/2002		(SEC)	>	900
12857	9/4/2002		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175
12857	7/31/2003		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175
16702	7/31/2003		MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175
16702	9/5/2002	89946	MESH SIZE, ANY NET OR SIEVE, AVERAGE BAR (CM)		0.3175
16702	7/31/2003		COMBINED LENGTH OF SEINE HAULS (METERS)		6
12857	7/31/2003	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		6
12857	9/4/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60
16702	9/5/2002	89948	COMBINED LENGTH OF SEINE HAULS (METERS)		60
12857	9/4/2002	89950	(1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3
16702	9/5/2002	89950	(1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3
12857	7/31/2003	89950	(1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3
16702	7/31/2003		(1=SURB,2=EKM,3=KICK,4=PET,5=H-D		3
16702	7/31/2003		ECOREGION (TEXAS ECOREGION CODE)		30
12857	9/4/2002		ECOREGION (TEXAS ECOREGION CODE)		30
16702	9/5/2002		ECOREGION (TEXAS ECOREGION CODE)		30
	7/31/2003		ECOREGION (TEXAS ECOREGION CODE)		30
16702	9/5/2002		AREA SEINED (SQ METERS)		330
12857	9/4/2002		AREA SEINED (SQ METERS)		330
16702	7/31/2002		AREA SEINED (SQ METERS)		330
12857	7/31/2003		AREA SEINED (SQ METERS)		330
			HILSENHOFF BIOTIC INDEX		
16702	7/31/2003				3.36
12857	7/31/2003		HILSENHOFF BIOTIC INDEX		4.47
16702	9/5/2002		HILSENHOFF BIOTIC INDEX		3.62
12857	9/4/2002		HILSENHOFF BIOTIC INDEX		4.78
12857	7/31/2003		EPT INDEX		8
12857	9/4/2002		EPT INDEX		7
16702	7/31/2003		EPT INDEX		8
16702	9/5/2002		EPT INDEX		6
16702	7/31/2003	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4
12857	7/31/2003		NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4
16702	9/5/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4
12857	9/4/2002	90009	NUMBER OF BENTHIC FUNCTIONAL FEEDING GROUPS		4
16702	7/31/2003	90010	COMMUNIT		36.35

12857 12857	9/4/2002 90010 7/31/2003 90010	COMMUNIT COMMUNIT	46 37.1
16702	9/5/2002 90010	COMMUNIT	38
16702	7/31/2003 90025	BENTHIC GATHERERS (% OF COMMUNITY)	36.4
12857	7/31/2003 90025	BENTHIC GATHERERS (% OF COMMUNITY)	21.7
12857	9/4/2002 90025	BENTHIC GATHERERS (% OF COMMUNITY)	10
16702	9/5/2002 90025	BENTHIC GATHERERS (% OF COMMUNITY)	19
12857	7/31/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	37.1
16702	7/31/2003 90030	BENTHIC FILTERERS (% OF COMMUNITY)	8.3
16702	9/5/2002 90030	BENTHIC FILTERERS (% OF COMMUNITY)	21
12857	9/4/2002 90030	BENTHIC FILTERERS (% OF COMMUNITY)	46
16702	7/31/2003 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0
12857	9/4/2002 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0
16702	9/5/2002 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0
12857	7/31/2003 90035	BENTHIC SHREDDERS (% OF COMMUNITY)	0
12857	7/31/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	31.7
12857	9/4/2002 90036	BENTHIC PREDATORS (% OF COMMUNITY)	37
16702	9/5/2002 90036	BENTHIC PREDATORS (% OF COMMUNITY)	38
16702	7/31/2003 90036	BENTHIC PREDATORS (% OF COMMUNITY)	21.3
16702	9/5/2002 90042	PERCENT DOMINANT TAXON, BENTHOS	25
16702	7/31/2003 90042	PERCENT DOMINANT TAXON, BENTHOS	23.3
12857	7/31/2003 90042	PERCENT DOMINANT TAXON, BENTHOS	11.8
12857	9/4/2002 90042	PERCENT DOMINANT TAXON, BENTHOS	22.77
12857	9/4/2002 90050	BENTHOS	0.68
16702	7/31/2003 90050	BENTHOS	3.74
16702	9/5/2002 90050	BENTHOS	2.55
12857	7/31/2003 90050	BENTHOS	1.29
16702	7/31/2003 90052	NUMBER OF NON-INSECT TAXA	2
16702	9/5/2002 90052	NUMBER OF NON-INSECT TAXA	1
12857	9/4/2002 90052	NUMBER OF NON-INSECT TAXA	0
12857	7/31/2003 90052	NUMBER OF NON-INSECT TAXA	2
12857	9/4/2002 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	2.97
12857	7/31/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	10
16702	9/5/2002 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	2.88
16702	7/31/2003 90054	PERCENT OF TOTAL NUMBER AS ELMIDAE	39.66
16702	9/5/2002 92266	TRICHOPTERA	35
16702	7/31/2003 92266	TRICHOPTERA	100
12857	9/4/2002 92266	TRICHOPTERA	48.94
12857	7/31/2003 92266	TRICHOPTERA	56
16702	7/31/2003 92491	CHIRONOMIDAE	1.72
16702	9/5/2002 92491	CHIRONOMIDAE	0.96
12857	7/31/2003 92491	CHIRONOMIDAE	3.67
12857	9/4/2002 92491	CHIRONOMIDAE	0
16702	9/5/2002 98003	NUMBER OF SPECIES, FISH	17
16702	7/31/2003 98003	NUMBER OF SPECIES, FISH	16
12857	7/31/2003 98003	NUMBER OF SPECIES, FISH	18
12857	9/4/2002 98003	NUMBER OF SPECIES, FISH	13
16702	7/31/2003 98004	TOTAL NUMBER OF DARTER SPECIES	2
16702	9/5/2002 98004	TOTAL NUMBER OF DARTER SPECIES	2
12857	7/31/2003 98004	TOTAL NUMBER OF DARTER SPECIES	2
12857	9/4/2002 98004	TOTAL NUMBER OF DARTER SPECIES	1
16702	7/31/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	5
12857	7/31/2003 98008	TOTAL NUMBER OF SUNFISH SPECIES	6
12857	9/4/2002 98008	TOTAL NUMBER OF SUNFISH SPECIES	6
16702	9/5/2002 98008	TOTAL NUMBER OF SUNFISH SPECIES	8

16702	7/31/2003	98009	TOTAL NUMBER OF SUCKER SPECIES	0
12857	7/31/2003	98009	TOTAL NUMBER OF SUCKER SPECIES	0
12857	9/4/2002	98009	TOTAL NUMBER OF SUCKER SPECIES	0
16702	9/5/2002	98009	TOTAL NUMBER OF SUCKER SPECIES	0
16702	7/31/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	2
12857	7/31/2003	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	2
12857	9/4/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	0
16702	9/5/2002	98010	TOTAL NUMBER OF INTOLERANT SPECIES, FISH	2
16702	9/5/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	9.8
16702	7/31/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	10.3
12857	7/31/2003	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	9.4
12857	9/4/2002	98016	PERCENT OF INDIVIDUALS AS TOLERANTS, FISH	24.8
16702	9/5/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	5
16702	7/31/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	1.58
12857	9/4/2002	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	2
12857	7/31/2003	98017	PERCENT OF INDIVIDUALS AS OMNIVORES, FISH	0.91
16702	7/31/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	78.7
12857	7/31/2003	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	37.8
12857	9/4/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	74
16702	9/5/2002	98021	PERCENT OF INDIVIDUALS AS INSECTIVORES, FISH	76
12857	7/31/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	2.11
16702	9/5/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	10
16702	7/31/2003	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	4.35
12857	9/4/2002	98022	PERCENT OF INDIVIDUALS AS PISCIVORES, FISH	10
12857	7/31/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	331
16702	7/31/2003	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	253
12857	9/4/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	238
16702	9/5/2002	98023	TOTAL NUMBER OF INDIVIDUALS IN SAMPLE, FISH	122
16702	9/5/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	3
16702	9/5/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	3
12857	7/31/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0
12857	7/31/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0
16702	7/31/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0
16702	7/31/2003	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0
12857	9/4/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0.5
12857	9/4/2002	98024	PERCENT OF INDIVIDUALS AS HYBRIDS	0.5
16702	7/31/2003	98030	ANOMALY	0.4
12857	7/31/2003	98030	ANOMALY	0
16702	9/5/2002	98030	ANOMALY	0
12857	9/4/2002	98030	ANOMALY	0