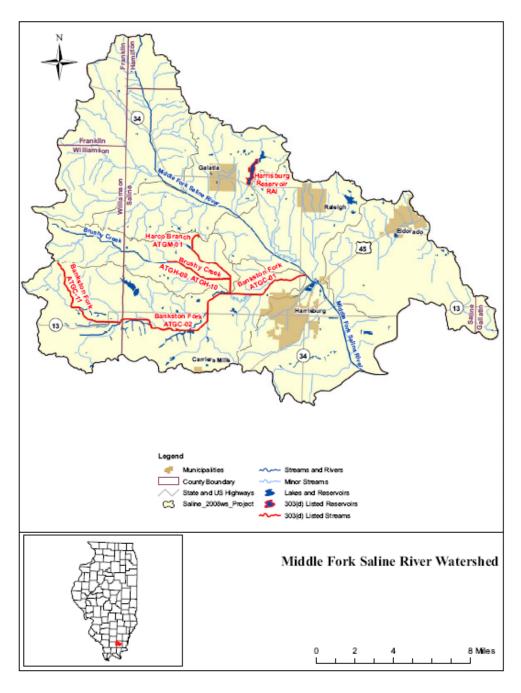
Middle Saline River Watershed TMDL Report

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Illinois Environmental Protection Agency



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Acronyms

| °F | degrees Fahrenheit |
|-------------------|-------------------------------------------------------|
| ALMP | Ambient Lake Monitoring Program |
| BMP | best management practice |
| BOD | biochemical oxygen demand |
| CBOD ₅ | 5-day carbonaceous biochemical oxygen demand |
| cfs | cubic feet per second |
| CRP | Conservation Reserve Program |
| CWA | Clean Water Act |
| DEM | Digital Elevation Model |
| DMR | Discharge Monitoring Reports |
| DO | dissolved oxygen |
| DP | dissolved phosphorus |
| ft | foot |
| GIS | geographic information system |
| GWLF | generalized watershed loading function |
| HUC | Hydrologic Unit Code |
| IBI | Index of Biotic Integrity |
| ICLP | Illinois Clean Lakes Program |
| IDA | Illinois Department of Agriculture |
| IDNR | Illinois Department of Natural Resources |
| ILLCP | Illinois Interagency Landscape Classification Project |
| Illinois EPA | Illinois Environmental Protection Agency |
| IPCB | Illinois Pollution Control Board |
| ISWS | Illinois State Water Survey |
| LA | load allocation |
| LC | loading capacity |
| MBI | Macroinvertebrate Biotic Index |
| mg/L | milligrams per liter |
| MOS | margin of safety |
| NASS | National Agricultural Statistics Service |
| NCDC | National Climatic Data Center |
| NRCS | National Resource Conservation Service |
| PO ₄ | phosphate |
| SSURGO | Soil Survey Geographic Database |

| STATSGO | State Soil Geographic |
|---------|--------------------------------------|
| STORET | Storage and Retrieval |
| TMDL | total maximum daily load |
| TP | total phosphorus |
| TSS | total suspended solids |
| USEPA | U.S. Environmental Protection Agency |
| USGS | U.S. Geological Survey |
| WLA | waste load allocation |

Section 1 Goals and Objectives for Middle Fork Saline River Watershed

1.1 Total Maximum Daily Load (TMDL) Overview

A Total Maximum Daily Load, or TMDL, is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards. TMDLs are a requirement of Section 303(d) of the Clean Water Act (CWA). To meet this requirement, the Illinois Environmental Protection Agency (Illinois EPA) must identify water bodies not meeting water quality standards and then establish TMDLs for restoration of water quality. Illinois EPA develops a list known as the "303(d) list" of water bodies not meeting water quality standards every two years, and it is included in the Integrated Water Quality Report. Water bodies on the 303(d) list are then targeted for TMDL development. The Illinois EPA's most recent Integrated Water Quality Report was issued in March 2008. In accordance with USEPA's guidance, the report assigns all waters of the state to one of five categories. Category 5 includes water bodies in which data have indicated that a TMDL is needed. Therefore, all waters that appear on the 303(d) list are included in Category 5 of the Integrated Water Quality Report and vice versa.

In general, a TMDL is a quantitative assessment of water quality impairments, contributing sources, and pollutant reductions needed to attain water quality standards. The TMDL specifies the amount of pollutant or other stressor that needs to be reduced to meet water quality standards, allocates pollutant control or management responsibilities among sources in a watershed, and provides a scientific and policy basis for taking actions needed to restore a water body.

Water quality standards are laws or regulations that states authorize to enhance water quality and protect public health and welfare. Water quality standards provide the foundation for accomplishing two of the principal goals of the CWA. These goals are:

- Restore and maintain the chemical, physical, and biological integrity of the nation's waters
- Where attainable, to achieve water quality that promotes protection and propagation of fish, shellfish, and wildlife and provides for recreation in and on the water

Water quality standards consist of three elements:

- The designated beneficial use or uses of a water body or segment of a water body
- The water quality criteria necessary to protect the use or uses of that particular water body
- An antidegradation policy

Examples of designated uses are primary contact (swimming), protection of aquatic life, and public and food processing water supply. Water quality criteria describe the quality of water that will support a designated use. Water quality criteria can be expressed as numeric limits or as a narrative statement. Antidegradation policies are adopted so that water quality improvements are conserved, maintained, and protected.

1.2 TMDL Goals and Objectives for Middle Fork Saline River Watershed

The Illinois EPA has a three-stage approach to TMDL development. The stages are:

- Stage 1 Watershed Characterization, Data Analysis, Methodology Selection
- Stage 2 Data Collection (optional)
- Stage 3 Model Calibration, TMDL Scenarios, Implementation Plan

This report addresses Stage 1 and Stage 3 of TMDL development for the Middle Fork Saline River watershed. Additional data were collected for some of the impaired segments during the development of this report by Illinois EPA staff. The additional data have been incorporated throughout the document and were used in the development of the TMDLs during Stage 3 of the process. Following are the impaired water body segments in the Middle Fork Saline watershed for which TMDLs were developed:

- Bankston Fork (ATGC-01)
- Bankston Fork (ATGC-02)
- Bankston Fork (ATGC-11)
- Brushy Creek (ATGH-09)
- Brushy Creek (ATGH-10)
- Harco Branch (ATGM-01)
- Harrisburg Reservoir (RAI)

These impaired water body segments are shown on Figure 1-1. There are seven impaired water body segments within the Middle Fork Saline River watershed. Table 1-1 lists the water body segment, water body size, and potential causes of impairment for the water body.

| Water Body Segment ID | Water Body Name | Size | Impaired Use | Cause of Impairment* | Potential Sources |
|--------------------------------|-------------------------|----------------|----------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| ATGC-01 | Bankston Fork | 4.32 miles | Aquatic Life | Manganese, Silver, Sulfates | Impacts from Abandoned Mine Lands, Acid Mine Drainage, Surface Mining |
| | | | | Sedimentation/Siltation, Total Suspended Solids | Acid Mine Drainage, Impacts from Abandoned Mine Lands, Surface Mining, Crop Production |
| | | | Primary Contact Recreation | Fecal Coliform | Unknown |
| ATGC-02 | Bankston Fork | 4.7 miles | Aquatic Life | Manganese, Silver, Sulfates | Surface Mining, Acid Mine Drainage, Impacts from Abandoned Mine Lands |
| ATGC-11 | Bankston Fork | 8.49 miles | Aquatic Life | Manganese, Sulfates | Surface Mining |
| ATGH-09 | Brushy Creek | 1.44 miles | Aquatic Life | Manganese, Sulfates | Surface Mining, Acid Mine Drainage, Mine Tailings |
| ATGH-10 | Brushy Creek | 3.5 miles | Aquatic Life | Silver, Sulfates | Surface Mining |
| ATGM-01 | Harco Br. | 3.09 miles | Aquatic Life | Copper, Manganese, Nickel, pH, Silver, Sulfates, Zinc | Acid Mine Drainage, Surface Mining |
| RAI | Harrisburg Reservoir | 208.9 acres | Aesthetic Quality | Phosphorus (Total) | Crop Production, Runoff from Forest/Grassland/Parkla nd, Urban Runoff/Storm Sewers |
| | | | | Total Suspended Solids | Runoff from Forest/Grassland/Parkla nd, Littoral/shore Area Modifications |

Table 1-1 Impaired Water Bodies in Middle Fork Saline River Watershed

* Bold Causes of Impairment do have numeric water quality standard and TMDLs were be developed. Italicized Causes of Impairment do not have numeric water quality standard.

Illinois EPA is currently only developing TMDLs for parameters that have numeric water quality standards. Therefore, the remaining sections of this report will focus on the pH, total fecal coliform, manganese, silver, copper, nickel, sulfates, zinc, and total phosphorus (numeric standard) impairments in the Middle Fork Saline River watershed.

Total suspended solids and sedimentation/siltation are causes of impairments that do not have numeric water quality standards, so TMDLs for these causes were not developed for this report. However, in the implementation plans completed during Stage 3 of the TMDL these potential causes are discussed and would likely be addressed and mitigated through implementation of the recommended controls for the pollutants that do have numeric water quality standards. The recommended controls for each impaired segment include measures for reducing erosion and sediment loading which would address the impairments caused by total suspended solids and sedimentation/siltation.

The TMDL for the segments listed above specify the following elements:

- Loading Capacity (LC) or the maximum amount of pollutant loading a water body can receive without violating water quality standards
- Waste Load Allocation (WLA) or the portion of the TMDL allocated to existing or future point sources
- Load Allocation (LA) or the portion of the TMDL allocated to existing or future nonpoint sources and natural background
- Margin of Safety (MOS) or an accounting of uncertainty about the relationship between pollutant loads and receiving water quality

These elements are combined into the following equation:

$$\mathsf{TMDL} = \mathsf{LC} = \mathsf{\SigmaWLA} + \mathsf{\SigmaLA} + \mathsf{MOS}$$

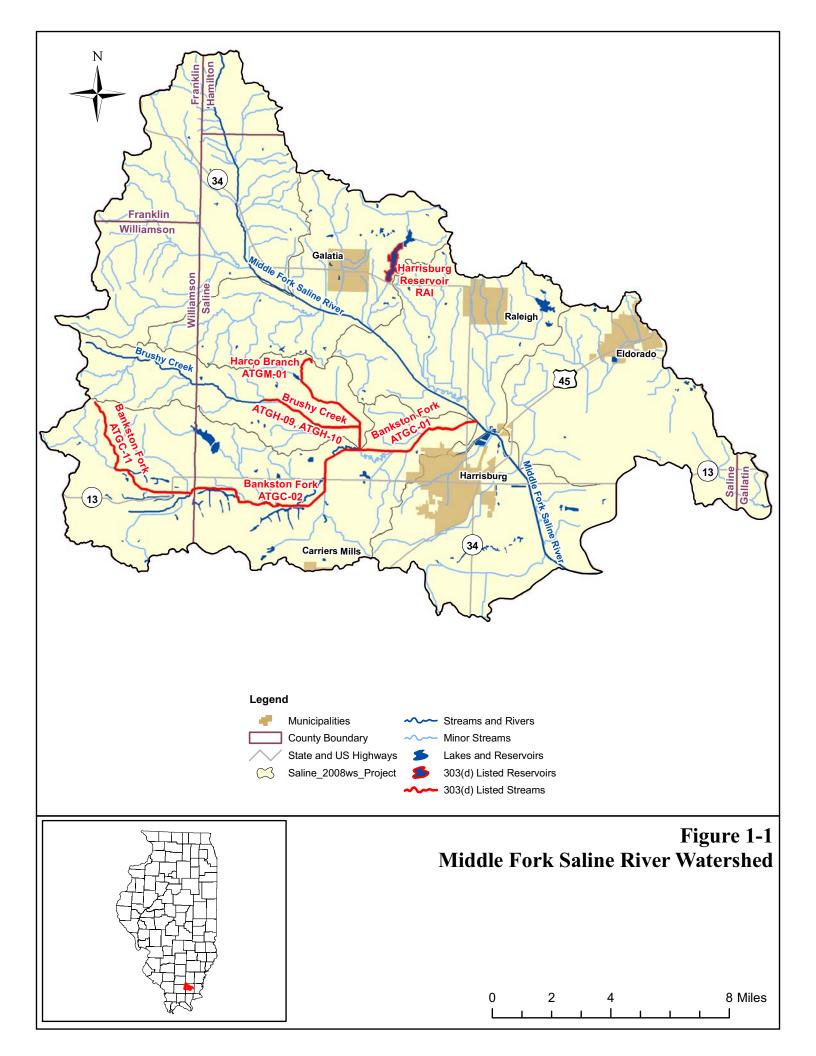
The TMDL developed must also take into account the seasonal variability of pollutant loads so that water quality standards are met during all seasons of the year. Also, reasonable assurance that the TMDL will be achieved is described in the implementation plan. The implementation plan for the Middle Fork Saline River watershed (see Section 9) describes how water quality standards will be attained. This implementation plan includes recommendations for implementing best management practices (BMPs), cost estimates, institutional needs to implement BMPs and controls throughout the watershed, and a timeframe for completion of implementation activities.

1.3 Report Overview

The remaining sections of this report contain:

- Section 2 Middle Fork Saline River Watershed Characteristics provides a description of the watershed's location, topography, geology, land use, soils, population, and hydrology
- Section 3 Public Participation and Involvement discusses public participation activities that occurred throughout the TMDL development
- Section 4 Middle Fork Saline River Watershed Water Quality Standards defines the water quality standards for the impaired water bodies

- Section 5 Middle Fork Saline River Watershed Characterization presents the available water quality data needed to develop TMDLs, discusses the characteristics of the impaired reservoirs in the watershed, and also describes the point and nonpoint sources with potential to contribute to the watershed load
- Section 6 Approach to Developing TMDL and Identification of Data Needs makes recommendations for the models and analysis that are needed for TMDL development and also suggests segments for Stage 2 data collection
- Section 7 Methodology Development for the Middle Fork Saline River Watershed details the development of the TMDLs for each impaired segment or water body
- Section 8 Total Maximum Daily Loads for the Middle Fork Saline River Watershed provides the results of the TMDL analysis for each impaired stream segment or water body
- Section 9 Implementation Plan for the Middle Fork Saline River Watershed makes recommendations for implementation actions, point source controls, management measures, and BMPs that can be used to address water quality issues in the watershed



Section 2 Middle Fork Saline River Watershed Description

2.1 Middle Fork Saline River Watershed Location

The Middle Fork Saline River watershed (Figure 1-1), located in southern Illinois, flows in a southeasterly direction and drains approximately 160,562 acres. Approximately 119,182 acres lie in Saline County, 28,929 acres lie in eastern Williamson County, 7,586 acres lie in southeastern corner of Franklin County, 3,567 acres lie in southwestern corner of Hamilton County, and 1,298 acres lie in the southeastern corner of Gallatin County.

2.2 Topography

Topography is an important factor in watershed management because stream types, precipitation, and soil types can vary dramatically by elevation. National Elevation Dataset (NED) coverages containing 30-meter grid resolution elevation data are available from the U.S. Geological Survey (USGS) for each 1:24,000-topographic quadrangle in the United States. Elevation data for the Middle Fork Saline River watershed was obtained by overlaying the NED grid onto the GIS-delineated watershed. Figure 2-1 shows the elevations found within the watershed.

Elevation in the Middle Fork Saline River watershed ranges from 1,068 feet above sea level near the headwaters of Brushy Creek in the western part of the watershed to 275 feet at its most downstream point in the southeastern part of the watershed near the Middle Fork of the Saline River.

2.3 Land Use

Land use data for the Middle Fork Saline River watershed were extracted from the Illinois Gap Analysis Project (IL-GAP) Land Cover data layer. IL-GAP was started at the Illinois Natural History Survey (INHS) in 1996, and the land cover layer was the first component of the project. The IL-GAP Land Cover data layer is a product of the Illinois Interagency Landscape Classification Project (IILCP), an initiative to produce statewide land cover information on a recurring basis cooperatively managed by the United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS), the Illinois Department of Agriculture (IDA), and the Illinois Department of Natural Resources (IDNR). The land cover data was generated using 30-meter grid resolution satellite imagery taken during 1999 and 2000. The IL-GAP Land Cover data layer contains 23 land cover categories, including detailed classification in the vegetated areas of Illinois. Appendix A contains a complete listing of land cover categories. (Source: IDNR, INHS, IDA, USDA NASS's 1:100,000 Scale Land Cover of Illinois 1999-2000, Raster Digital Data, Version 2.0, September 2003.)

The land use of the Middle Fork Saline River watershed was determined by overlaying the IL-GAP Land Cover data layer onto the GIS-delineated watershed. Table 2-1 contains the land uses contributing to the Middle Fork Saline River watershed, based on the IL-GAP land cover categories, and also includes the area of each land cover category and percentage of the watershed area. Figure 2-2 illustrates the land uses of the watershed.

The land cover data reveal that approximately 113,364 acres, representing about 71 percent of the total watershed area, are devoted to agricultural activities. Soybean and corn farming account for about 22 percent and 19 percent of the watershed area, respectively, and rural grassland accounts for about 25 percent. Upland accounts for about 10 percent and floodplain forest accounts for about 8 percent. Other land cover types each represent less than three percent of the watershed area.

| Land Cover Category | Area (Acres) | Percentage |
|--------------------------------|--------------|------------|
| Rural Grassland | 40,574 | 25.3 |
| Soybeans | 35,507 | 22.1 |
| Corn | 29,954 | 18.7 |
| Upland Forest | 16,415 | 10.2 |
| Floodplain Forest | 13,201 | 8.2 |
| Low/Medium Density | 3,959 | 2.5 |
| Surface Water | 3,399 | 2.1 |
| Urban Open Space | 3,388 | 2.1 |
| Winter Wheat | 2,709 | 1.7 |
| Winter Wheat/Soybeans | 2,402 | 1.5 |
| Partial Canopy/Savannah Upland | 1,664 | 1.0 |
| High Density | 1,287 | 0.8 |
| Other Small Grains & Hay | 1,221 | 0.8 |
| Coniferous | 1,123 | 0.7 |
| Other Agriculture | 996 | 0.6 |
| Barren & Exposed Land | 834 | 0.5 |
| Shallow Water | 670 | 0.4 |
| Swamp | 480 | 0.3 |
| Shallow Marsh/Wet Meadow | 406 | 0.3 |
| Deep Marsh | 328 | 0.2 |
| Seasonally/Temporarily Flooded | 42 | <0.1 |
| Total | 160,562 | 100 |

Table 2-1 Land Cover and Land Use in Middle Fork Saline River Watershed

2.4 Soils

Two types of soil data are available for use within the state of Illinois through the Natural Resource Conservation Service (NRCS). General soils data and map unit delineations for the entire state are provided as part of the State Soil Geographic (STATSGO) database. Soil maps for the database are produced by generalizing detailed soil survey data. The mapping scale for STATSGO is 1:250,000. More detailed soils data and spatial coverages are available through the Soil Survey Geographic (SSURGO) database for a limited number of counties. For SSURGO data, field mapping methods using national standards are used to construct the soil maps. Mapping scales generally range from 1:12,000 to 1:63,360 making SSURGO the most detailed level of soil mapping done by the NRCS.

At this time, SSURGO data is available for all the counties within the Middle Fork Saline River. Attributes of the spatial coverage can be linked to the SSURGO databases, which provide information on various chemical and physical soil characteristics for each map unit and soil series. Of particular interest for TMDL development are the hydrologic soil groups as well as the K-factor of the Universal Soil Loss Equation. The following sections describe and summarize the specified soil characteristics for the Middle Fork Saline River watershed.

2.4.1 Middle Fork Saline River Watershed Soil Characteristics

Appendix B contains a table of the SSURGO soil series for the Middle Fork Saline River watershed. Various soil types exist in the watershed, but no single type covers more than 2 percent of the watershed. The table also contains the area, dominant hydrologic soil group, and k-factor range. Each of these characteristics is described in more detail in the following paragraphs.

Figure 2-3 shows the hydrologic soils groups found within the Middle Fork Saline River watershed. Hydrologic soil groups are used to estimate runoff from precipitation. Soils are assigned to one of four groups. They are grouped according to the infiltration of water when the soils are thoroughly wet and receive precipitation from longduration storms. Hydrologic soil groups B, C, D, B/D, and C/D are found within the Middle Fork Saline River watershed. The majority of the watershed falls into group C. Group C soils are defined as having "moderately high runoff potential when thoroughly wet." These soils have a low rate of water transmission (NRCS 2007).

A commonly used soil attribute is the K-factor. The K-factor:

Indicates the susceptibility of a soil to sheet and rill erosion by water. (The K-factor) is one of six factors used in the Universal Soil Loss Equation (USLE) to predict the average annual rate of soil loss by sheet and rill erosion. Losses are expressed in tons per acre per year. These estimates are based primarily on percentage of silt, sand, and organic matter (up to 4 percent) and on soil structure and permeability. Values of K range from 0.02 to 0.69. The higher the value, the more susceptible the soil is to sheet and rill erosion by water (NRCS 2005).

The distribution of K-factor values in the Middle Fork Saline River watershed range from 0.17 to 0.43.

2.5 Population

The Census 2000 TIGER/Line data from the U.S. Census Bureau were retrieved. Geographic shapefiles of census blocks were downloaded for Franklin, Hamilton, Saline, and Williamson Counties. The census block shapefiles were clipped to each watershed so that only block populations directly associated with the watershed would be counted. City populations were taken from the U.S. Census Bureau. For municipalities located along a watershed border, population was estimated based on the percentage of the municipalities' area within the watershed boundary. Approximately 19,450 people reside in the Middle Fork Saline River watershed. The major municipalities in the watershed are shown in Figure 1-1. The largest urban development in the watershed is the city of Harrisburg, which is located approximately in the center of the Middle Fork Saline River watershed.

2.6 Climate, Pan Evaporation, and Streamflow

2.6.1 Climate

Southern Illinois has a temperate climate with hot summers and cold, snowy winters. Monthly precipitation data from Harrisburg, Illinois (station id. 3879) in Saline County were extracted from the NCDC database for the years of 1901 through 2006. The data station in Harrisburg, Illinois was chosen to be representative of precipitation throughout the Middle Fork Saline River watershed.

Table 2-2 contains the average monthly precipitation along with average high and low temperatures for the period of record. The average annual precipitation is approximately 38.4 inches.

| Month | Total Precipitation (inches) | Maximum Temperature (degrees F) | Minimum Temperature (degrees F) |
|-----------|---------------------------------|------------------------------------|------------------------------------|
| January | 2.4 | 43 | 24 |
| February | 2.1 | 47 | 27 |
| March | 3.5 | 58 | 36 |
| April | 3.8 | 68 | 45 |
| May | 4.2 | 76 | 53 |
| June | 4.1 | 86 | 63 |
| July | 3.3 | 89 | 65 |
| August | 3.3 | 90 | 65 |
| September | 3.2 | 82 | 57 |
| October | 3.0 | 72 | 46 |
| November | 3.1 | 57 | 36 |
| December | 2.4 | 45 | 27 |
| Total | 38.4 | 68 | 45 |

Table 2-2 Average Monthly Climate Data in Harrisburg, IL

2.6.2 Pan Evaporation

Through the ISWS website, pan evaporation data are available from nine locations across Illinois (ISWS 2007). The Dixon Springs station was chosen to be representative of pan evaporation conditions for Harrisburg Lake. The Dixon Springs station is located approximately 30 miles south of the Harrisburg Lake. The station was chosen for its proximity to the 303(d)-listed water bodies and stream segments in southern Illinois and the completeness of the dataset compared to other stations. The average monthly pan evaporation at the Dixon Springs station for the years 1983 to 2002 yields an average annual pan evaporation of 48.1 inches. Actual evaporation is typically less than pan evaporation, so the average annual pan evaporation was multiplied by 0.75 to calculate an average annual evaporation of 36.1 inches (ISWS 2007).

2.6.3 Streamflow

Analysis of the Middle Fork Saline River watershed requires an understanding of flow throughout the drainage area. Three USGS gages within the watershed have historic data available, which are summarized with respective information in Table 2-3.

| Gage | | |
|----------|----------------------------------------------|-----------|
| Number | Name | POR |
| 03382160 | Bankston Fork near Crab Orchard, IL | 1978-1980 |
| 03382170 | Brushy Creek near Harco, IL | 1922-1932 |
| 03382200 | Middle Fork Saline River Near Harrisburg, IL | 1966-1982 |

Table 2-3 Streamflow Gages in the Middle Fork Saline River Watershed

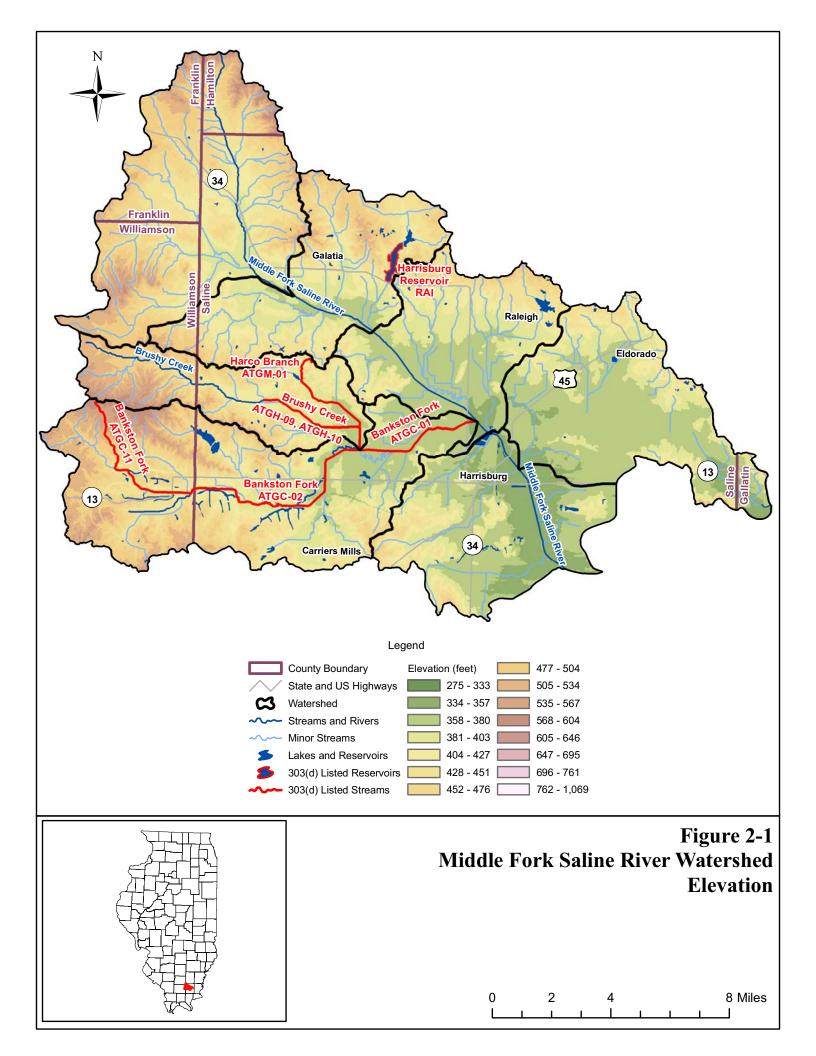
Since there are no gages within the watershed that have data for the past 20 years, stage data were estimated using the drainage area ratio method, represented by the following equation.

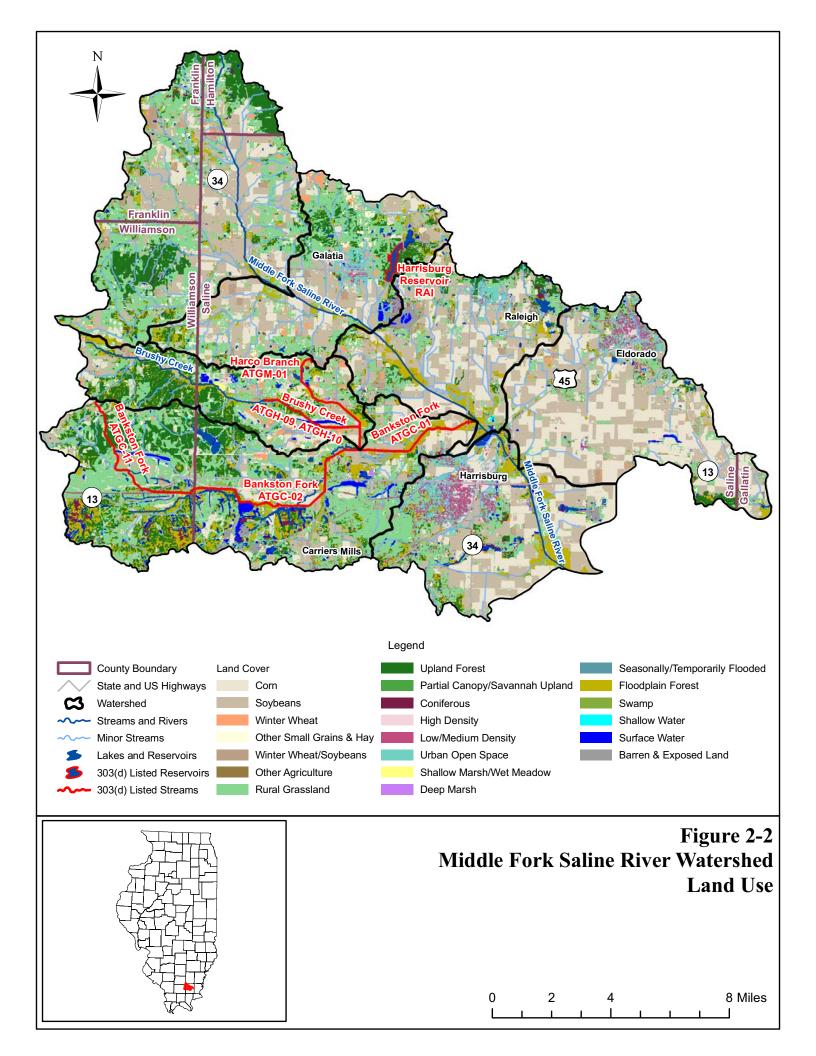
$$\mathbf{Q}_{\text{gaged}} \left(\frac{\text{Area}_{\text{ungaged}}}{\text{Area}_{\text{gaged}}} \right) = \mathbf{Q}_{\text{ungaged}}$$

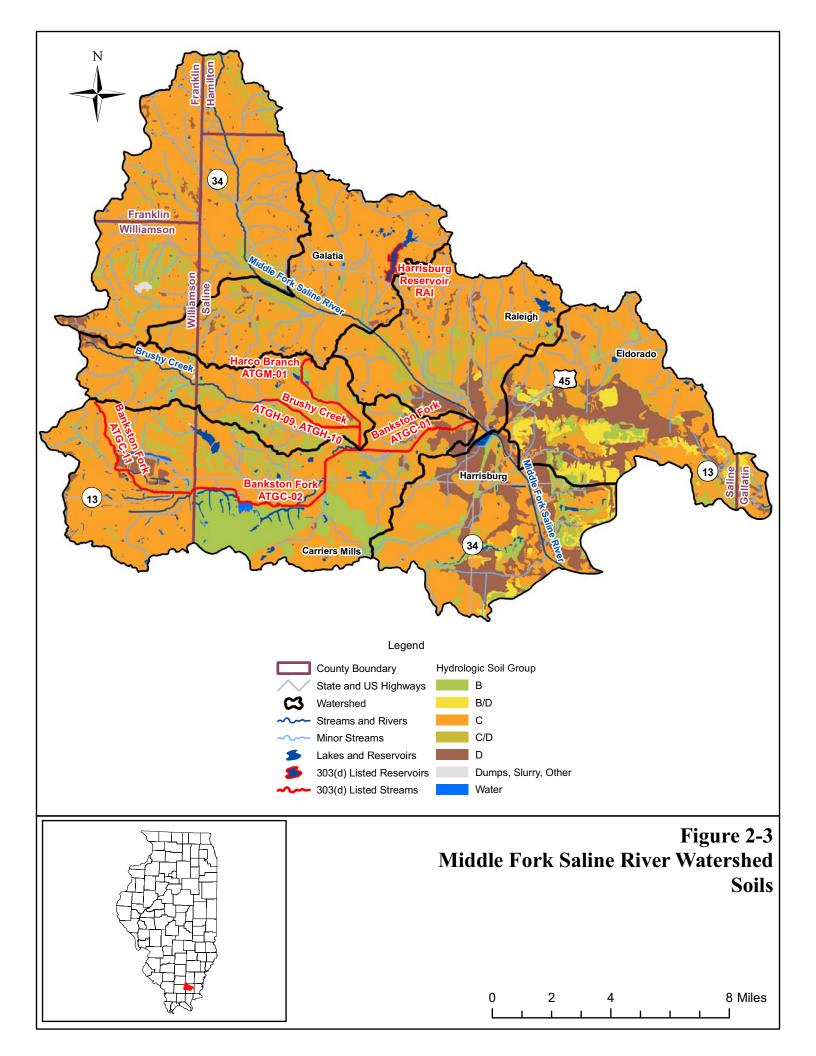
where Q_{gaged} = Streamflow of the gaged basin $Q_{ungaged}$ = Streamflow of the ungaged basin Area_{gaged} = Area of the gaged basin Area_{ungaged} = Area of the ungaged basin

The assumption behind the equation is that the flow per unit area is equivalent in watersheds with similar characteristics. Therefore, the flow per unit area in the gaged watershed multiplied by the area of the ungaged watershed estimates the flow for the ungaged watershed.

USGS gage 05597500 (Crab Orchard Creek near Marion, Illinois) was chosen as an appropriate gage from which to estimate flows for all impaired stream segments in the Middle Fork Saline River watershed. The Crab Orchard Creek watershed is approximately 9 miles west of the nearest sampling site on the impaired segments in the Middle Fork Saline River watershed (ATGC-11) and approximately 19 miles west of the furthest sampling site in the watershed (ATGC-01). The gage drains an area of 31.7 square miles, which is within an order of magnitude in size as the watersheds delineated for the impaired segments in the Middle Fork Saline River watershed. GIS analysis shows that the surrogate gage watershed has similar land use, soils, and topography as the Middle Fork Saline watershed. Data also show that the surrogate gage watershed receives comparable precipitation throughout the year. Surrogate flow data are discussed in further detail in Section 7.







Section 3 Public Participation and Involvement

3.1 Middle Fork Saline River Watershed Public Participation and Involvement

Public knowledge, acceptance, and follow through are necessary to implement a plan to meet recommended TMDLs. It is important to involve the public as early in the process as possible to achieve maximum cooperation and counter concerns as to the purpose of the process and the regulatory authority to implement any recommendations.

Illinois EPA, along with CDM, held two public meetings within the watershed throughout the course of the TMDL development. Following the completion of Stage 1 of the TMDL process, a public meeting was held in Harrisburg, Illinois on May 12, 2009. No public response comments were received at this meeting. Similarly, a public meeting was held in Harrisburg on August 10, 2010 following the completion of Stage 3 of the TMDL process for the Middle Fork Saline River watershed. Illinois EPA did not receive any comments following this meeting from attendees or other members of the public.

Section 4 Middle Fork Saline River Watershed Water Quality Standards

4.1 Illinois Water Quality Standards

Water quality standards are developed and enforced by the state to protect the "designated uses" of the state's waterways. In the state of Illinois, setting the water quality standards is the responsibility of the Illinois Pollution Control Board (IPCB). Illinois is required to update water quality standards every three years in accordance with the CWA. The standards requiring modifications are identified and prioritized by Illinois EPA, in conjunction with USEPA. New standards are then developed or revised during the three-year period.

Illinois EPA is also responsible for developing scientifically based water quality criteria and proposing them to the IPCB for adoption into state rules and regulations. The Illinois water quality standards are established in the Illinois Administrative Rules Title 35, Environmental Protection; Subtitle C, Water Pollution; Chapter I, Pollution Control Board; Part 302, Water Quality Standards.

4.2 Designated Uses

The waters of Illinois are classified by designated uses, which include: General Use, Public and Food Processing Water Supplies, Lake Michigan, and Secondary Contact and Indigenous Aquatic Life Use (Illinois EPA 2005). The designated uses applicable to the Middle Fork Saline River watershed are the General Use.

4.2.1 General Use

The General Use classification is defined by IPCB as standards that "will protect the state's water for aquatic life, wildlife, agricultural use, secondary contact use, and most industrial uses and ensure the aesthetic quality of the state's aquatic environment." Primary contact uses are protected for all General Use waters whose physical configuration permits such use.

4.3 Illinois Water Quality Standards

To make 303(d) listing determinations for aquatic life uses, Illinois EPA first collects biological data and if this data suggests that an impairment to aquatic life exists, a comparison of available water quality data with water quality standards will then occur. For public and food processing water supply waters, Illinois EPA compares available data with water quality standards to make impairment determinations. Tables 4-1 and 4-2 present the numeric water quality standards of the potential causes of impairment for both lakes and streams in the Middle Fork Saline River watershed. Only constituents with numeric water quality standards will have TMDLs developed at this time.

Table 4-1 Summary of Water Quality Standards for Potential Causes of Lake Impairments in Harrisburg Reservoir

| | | General Use Water Quality | |
|------------------|-------|---------------------------|----------------------|
| Parameter | Units | Standard | Regulatory Reference |
| Total Phosphorus | mg/L | 0.05 ⁽¹⁾ | 302.205 |

mg/L = milligrams per liter

Standard applies in particular to inland lakes and reservoirs (greater than 20 acres) and in any stream at the point where it enters any such lake or reservoir.

Table 4-2 Summary of Numeric Water Quality Standards for Potential Causes of Stream Impairments in Middle Fork Saline River Watershed

| • | | General Use Water Quality | |
|-----------------------|------------|--------------------------------------------------------------------------------|----------------------|
| Parameter | Units | Standard | Regulatory Reference |
| Manganese (total) | µg/L | 1000 | 302.208(g) |
| Total Fecal | Count/ 100 | May through October 200 ⁽¹⁾ , | 302.209 |
| Coliform | mL | 400 ⁽²⁾ | |
| рН | s.u. | 6.5-9 | 302.204 |
| Silver | µg/L | 5 | 302.208(g) |
| Sulfates | mg/L | Chloride and Hardness Dependent ⁽³⁾ | 302.208(g) |
| Nickel (dissolved) | µg/L | Acute standard ⁽⁴⁾ = (exp[0.5173+0.8460 x ln(H)]) x 0.998* | 302.208(e) |
| | | Chronic standard ⁽⁵⁾ = (exp[-2.286+0.8460 x ln(H)]) x 0.997* | |
| Copper (dissolved) | µg/L | Acute standard ⁽⁴⁾ = (exp[-1.464+0.9422 x ln(H)]) x 0.960* | 302.208(e) |
| | | Chronic standard ⁽⁵⁾ = (exp[-1.465+0.8545 x ln(H)]) x 0.960* | |
| Zinc (dissolved) | µg/L | Acute standard ⁽⁴⁾ = (exp[0.9035+0.8473 x ln(H)]) x 0.978* | 302.208(e) |
| | | Chronic standard ⁽⁵⁾ = (exp[-0.8165+0.8473 x ln(H)]) x 0.986* | |

 μ g/L = micrograms per liter

mg/L = milligrams per liter

* = conversion factor multiplier for dissolved metals

- ⁽¹⁾ Geometric mean based on a minimum of five samples taken over not more than a 30-day period.
- ⁽²⁾ Standard shall not be exceeded by more than 10 percent of the samples collected during any 30day period.

⁽³⁾ Sulfate standard was updated in 2008 to read:

1. At any point where water is withdrawn or accessed for purposes of livestock watering, the average of sulfate concentrations must not exceed 2,000 mg/L when measured at a representative frequency over a 30 day period.

2. The results of the following equations provide sulfate water quality standards in mg/L for the specified ranges of hardness (in mg/L as $CaCO_3$) and chloride (in mg/L) and must be met at all times:

a. If the hardness concentration of receiving waters is greater than or equal to 100 mg/L but less than or equal to 500 mg/L, and if the chloride concentration of waters is greater than or equal to 25 mg/L but less than or equal to 500 mg/L, then: C = [1276.7 + 5.508 (hardness) – 1.457 (chloride)] * 0.65 where, C = sulfate concentration

b. If the hardness concentration of waters is greater than or equal to 100 mg/L but less than or equal to 500 mg/L, and if the chloride concentration of waters is greater than or equal to 5 mg/L but less than 25 mg/L, then: C = [-57.478 + 5.79 (hardness) + 54.163 (chloride)] * 0.65 where C = sulfate

| Table 4-2 Summary of Numeric Water Quality Standards for Potential Causes of Stream |
|-------------------------------------------------------------------------------------|
| Impairments in Middle Fork Saline River Watershed |

| | | General Use Water Quality | |
|---------------------|------------------|---------------------------------------------------------------------------------|-------------------------------------|
| Parameter | Units | Standard | Regulatory Reference |
| concentratio | | | |
| | | must be met at all times when hardness | (in mg/L as $CaCO_3$) and chloride |
| | | n specified above are present: | |
| | | n of waters is less than 100 mg/L or chlor | ide concentration of waters is |
| | | standard is 500 mg/L. | the shift of the second section of |
| | | n of waters is greater than 500 mg/L and the sulfate standard is 2,000 mg/L. | the chloride concentration of |
| | | s and chloride concentrations of existing | waters are not reflected in |
| | | ate standard may be determined in a site | |
| | | Water Pollution Control Act of 1972 (Cle | |
| | • • | 40 CFR. 131.10(j)(2). | |
| | | provided in 35 III. Adm. Code 302.20 | 8(d). |
| | | metic average of at least four conse | |
| | | except as provided in 35 III. Adm. Co | |
| | • | t or lack of attainment with a chronic | • • • |
| | | erage representative of the sampling | |
| | | tals standards, the concentration of | |
| | | quality standard for the sample to de | |
| | | ed if the mean of the sample quotient | |
| | | · · · | is is less than of equal to one |
| for the duration of | or the averaging | j perioa. | |

4.4 Potential Pollutant Sources

In order to properly address the conditions within the Middle Fork Saline River watershed, potential pollution sources must be investigated for the pollutants where TMDLs will be developed. The following is a summary of the potential sources associated with the listed potential causes for the 303(d) listed segments in this watershed. Further detail on potential pollutant sources is provided in Section 5.

| | | Potential Causes of | Potential Sources (as identified by |
|------------|---------------|--------------------------|-------------------------------------|
| Segment ID | Segment Name | Impairment | the 2006 303(d) list) |
| ATGC-01 | Bankston Fork | Manganese, Silver, | Impacts from Abandoned Mine Lands, |
| | | Sedimentation/Siltation, | Acid Mine Drainage, Surface Mining, |
| | | Sulfates, Total | Unknown, Crop Production |
| | | Suspended Solids, | |
| | | Fecal Coliform | |
| ATGC-02 | Bankston Fork | Manganese, Silver, | Surface Mining, Acid Mine Drainage, |
| | | Sulfates | Impacts from Abandoned Mine Lands |
| ATGC-11 | Bankston Fork | Manganese, Sulfates | Surface Mining |
| ATGH-09 | Brushy Creek | Manganese, Sulfates | Surface Mining, Acid Mine Drainage, |
| | | | Mine Tailings |
| ATGH-10 | Brushy Creek | Silver, Sulfates | Surface Mining |
| ATGM-01 | Harco Branch | Copper, Manganese, | Acid Mine Drainage, Surface Mining |
| | | Nickel, pH, Silver, | |
| | | Sulfates, Zinc | |
| RAI | Harrisburg | Phosphorus (Total), | Crop Production, Runoff from |
| | Reservoir | Total Suspended Solids | Forest/Grassland/Parkland, Urban |
| | | | Runoff/Storm Sewers, Littoral/shore |
| | | | Area Modifications |

Table 4-3 Summary of Potential Pollutant Sources in the Middle Fork Saline River Watershed

*Bold Potential Causes of Impairment have numeric water quality standard and TMDLs will be developed.

Section 5 Middle Fork Saline River Watershed Characterization

Data were collected and reviewed from many sources in order to further characterize the Middle Fork Saline River watershed. Data have been collected in regards to water quality, reservoirs, and both point and nonpoint sources. This information is presented and discussed in further detail in the remainder of this section.

5.1 Water Quality Data

There are 10 historic water quality stations within the Middle Fork Saline River watershed, including 3 stations found on Harrisburg Reservoir that were used for this report. Figure 5-1 shows the water quality data stations within the watershed that contain data relevant to the impaired segments.

The impaired water body segments in the Middle Fork Saline River watershed were presented in Section 1. Refer to Table 1-1 for impairment information specific to each segment. The following sections address both stream and lake impairments. Data are summarized by impairment and discussed in relation to the relevant Illinois numeric water quality standard. Data analysis is focused on all available data collected since 1990. The information presented in this section is a combination of USEPA Storage and Retrieval (STORET) database and Illinois EPA database data. STORET data are available for stations sampled prior to January 1, 1999, while Illinois EPA data (electronic and hard copy) are available for stations sampled after that date. Illinois EPA collected additional data for a number of segments and parameters in 2008 and 2009. These data have been incorporated into this report. The following sections will first discuss Middle Fork Saline River watershed stream data followed by Middle Fork Saline River watershed lake data.

5.1.1 Stream Water Quality Data

The Middle Fork Saline River watershed has 7 impaired stream segments within its drainage area that are addressed in this report. There is one active water quality station on each of the 7 impaired segments (see Figure 5-1). The data summarized in this section include water quality data for impaired constituents as well as parameters that could be useful in future modeling and analysis efforts. All historic water quality data are available in Appendix C.

5.1.1.1 Fecal Coliform

Bankston Fork segment ATGC-01 is listed for impairment caused by total fecal coliform. Table 5-1 summarizes available historic fecal coliform data on the segment. The general use water quality standard for fecal coliform states that the standard of 200 cfu per 100 mL not be exceeded by the geometric mean of at least five samples, nor can 10 percent of the samples collected exceed 400 cfu per 100 mL in protected waters, except as provided in 35 Ill. Adm. Code 302.209(b). Samples must be collected

over a 30-day period or less during the months of May through October. There are no instances since 1990 where at least five samples have been collected during a 30-day period. The summary of data presented in Table 5-1 reflects single samples compared to the standards during the appropriate months. Figure 5-2 shows the total fecal coliform samples collected over time at segment ATGC-01.

| Sample Location and Parameter Bankston Fork Segme | Period of Record and Number of Data Points | Geometric mean of all samples | Maximum | Minimum | Number of samples > 200 ⁽¹⁾ | Number of samples > 400 ⁽¹⁾ |
|---------------------------------------------------------|--------------------------------------------------|-------------------------------------|---------|---------|-------------------------------------------------|-------------------------------------------------|
| Total Fecal Coliform (cfu/100 mL) | 1990-2005; 64 | 172.2 | 28000 | 3 | 26 | 18 |

Table 5-1 Existing Fecal Coliform Data for Bankston Fork

⁽¹⁾ Samples collected during the months of May through October

5.1.1.2 pH

Harco Branch segment ATGM-01 is listed for impairment caused by pH. A sample is considered a violation if it falls below 6.5 or above 9.0 standard units at any time. A total of 3 samples have been collected since 1990 from the impaired segment. As shown, all 3 of the samples collected at ATGM-01 during this time period were in violation of the standard.

Table 5-2 Existing pH Data for Harco Branch

| Sample Location | Sample Date | Result (s.u.) |
|-----------------|-------------|---------------|
| ATGM01 | 6/17/1993 | 2.34 |
| ATGM01 | 9/28/1993 | 2.50 |
| ATGM01 | 12/13/1993 | 3.08 |

5.1.1.3 Sulfates

Harco Branch segment ATGM-01, Bankston Fork segments ATGC-01, ATGC-02, ATGC-11, and Brushy Creek segments ATGH-09 and ATGH-10 are listed for impairment of the aquatic life use by sulfates. The Illinois water quality standard for sulfate was updated in 2008 making the standard variable based on chloride concentrations and hardness conditions in the waterbody. The full details of the standard were presented in Section 4. Table 5-3 summarizes the results of the 146 samples collected from impaired stream segments in this watershed between 1990 and 2008. Figure 5-3 shows the sulfate sample results graphically.

| | | Period of Record and | | | | |
|----------------------------------|----------------------------------|--------------------------|------|---------|---------|-------------------------------------|
| Sample Location and Parameter | Illinois WQ Standard (mg/L) | Number of Data Points | Mean | Maximum | Minimum | Number of Violations ⁽¹⁾ |
| Harco Branch Segment | ATGM-01; Sample Lo | cation ATGM-01 | | | | |
| Sulfates | Hardness & Chloride Dependent | 1993, 2008; 6 | 672 | 1580 | 74.9 | 0 |
| Bankston Fork Segmen | t ATGC-01; Sample Lo | ocation ATGC-01 | | | | |
| Sulfates | Hardness & Chloride Dependent | 1990-2005; 116 | 1287 | 3040 | 12 | 22 |
| Bankston Fork Segmen | t ATGC-02; Sample Lo | ocation ATGC-02 | | | | |
| Sulfates | Hardness & Chloride Dependent | 1993, 2008; 6 | 1170 | 2070 | 150 | 0 |
| Bankston Fork Segmen | t ATGC-11; Sample Lo | ocation ATGC-11 | | | • | |
| Sulfates | Hardness & Chloride Dependent | 1993, 2008; 6 | 1198 | 2542 | 27 | 3 |
| Brushy Creek Segment | ATGH-09; Sample Lo | cation ATGH-09 | | · | • | • |
| Sulfates | Hardness & Chloride Dependent | 1993, 2008; 6 | 1217 | 3220 | 150 | 1 |
| Brushy Creek Segment | ATGH-10; Sample Lo | cation ATGH-10 | | | | |
| Sulfates | Hardness & Chloride Dependent | 1993, 2008; 6 | 739 | 2410 | 150 | 1 |

 Table 5-3 Existing Sulfates Data for Middle Fork Saline River Watershed Impaired Stream Segments

(1) Violations of new chloride and hardness dependent sulfate standard implemented in Illinois in 2008.

5.1.1.4 Metals

The following segments are listed for aquatic life use impairments caused by metals:

- Bankston Fork segment ATGC-01: Manganese and Silver
- Bankston Fork segment ATGC-02: Manganese and Silver
- Bankston Fork segment ATGC-11: Manganese
- Harco Branch segment ATGM-01: Copper, Manganese, Nickel, Silver, and Zinc
- Brushy Creek segment ATGH-09: Manganese
- Brushy Creek segment ATGH-10: Silver

Table 5-4 contains a summary of metal data collected on impaired segments. The standards for copper, nickel, and zinc are dependent on hardness. Hardness data have been collected in conjunction with these parameters. The number of violations presented in Table 5-4 for these hardness-dependent parameters represent violations of the general use chronic standard. Figure 5-4 shows manganese concentration overtime on Bankston Fork segment ATGC-01. Figure 5-5 shows silver concentrations overtime on the same stream segment. Charts were not developed for the other impaired stream segments in this watershed due to low data availability. All water quality data are available for review in Appendix C.

| Sample Location | Illinois WQ Standard | Period of Record and Number of Data | | | | Number of |
|--------------------------------------------------------|-------------------------|-------------------------------------------|---------|---------|---------------------|------------------|
| and Parameter | (<u>µg</u> /L) | Points | Mean | Maximum | Minimum | Violations |
| Bankston Fork segr | nent ATGC-01 | ; Sample Location | ATGC-01 | | | |
| Manganese (total) | 1000 | 1990-2005; 137 | 9766.7 | 12000 | 7700 | 3 |
| Silver (total) | 5 | 1990-2005; 137 | 3.62 | 17 | 0.38 ⁽¹⁾ | 13 |
| Bankston Fork segment ATGC-02; Sample Location ATGC-02 | | | | | | |
| Manganese (total) | 1000 | 1993, 2008; 6 | 562 | 2100 | 77.4 | 1 |
| Silver (total) | 5 | 1993, 2008; 6 | 4.35 | 13 | 0.38 ⁽¹⁾ | 2 |
| Bankston Fork segr | nent ATGC-11 | ; Sample Location | ATGC-11 | | | |
| Manganese (total) | 1000 | 1993, 2008; 6 | 888 | 2300 | 69.2 | 2 |
| Harco Branch segm | ent ATGM-01; | Sample Location A | ATGM-01 | | | |
| Copper (dissolved) | hardness dependent | 1993, 2008; 6 | 68 | 190 | 2.6 | 2 (2) |
| Manganese (total) | 1000 | 1993, 2008; 6 | 5119 | 12000 | 253 | 3 |
| Nickel (dissolved) | hardness dependent | 1993, 2008; 6 | 209 | 440 | 3.8 | 3 ⁽²⁾ |
| Silver (total) | 5 | 1993, 2008; 6 | 3.9 | 10 | 0.38 ⁽¹⁾ | 2 |
| Zinc (dissolved) | hardness dependent | 1993, 2008; 6 | 3654 | 7400 | 2.58 | 3 ⁽²⁾ |
| Brushy Creek segm | ent ATGH-09; | Sample Location A | TGH-09 | | | |
| Manganese (total) | 1000 | 1993, 2008; 6 | 620 | 1500 | 162 | 1 |
| Brushy Creek segm | ent ATGH-10; | Sample Location A | TGH-10 | | | |
| Silver (total) | 5 | 1993, 2008; 6 | 4.1 | 14 | 0.38 ⁽¹⁾ | 1 |

Table 5-4 Existing Metals Data for Middle Fork Saline River Watershed Impaired Stream Segments

(1) Laboratory minimum detection limit substituted for non-detect samples

(2) Both the chronic and acute standards were exceeded

5.1.2 Lake Water Quality Data

The Middle Fork Saline River watershed has one impaired lake within its drainage area that is addressed in this report. The data summarized in this section include water quality data for the impaired constituents as well as parameters that could be useful in future modeling and analysis efforts. All historic water quality data are available in Appendix C.

5.1.2.1 Harrisburg Reservoir

Harrisburg Reservoir is listed for impairment caused by total phosphorous. There are three active stations on Harrisburg Reservoir (see Figure 5-1). An inventory of all available data associated with the impairment at all depths is presented in Table 5-5.

| Harrisburg Reservoir Segment RAI; Sample Locations RAI-1, RAI-2, and RAI-3 | | | | | | |
|----------------------------------------------------------------------------|------------------|-------------------|--|--|--|--|
| RAI-1 | Period of Record | Number of Samples | | | | |
| Dissolved Phosphorus | 1995 - 2002 | 21 | | | | |
| Total Phosphorus | 1993-1995 - 2002 | 2 | | | | |
| RAI-2 | | | | | | |
| Dissolved Phosphorus | 1995 - 2002 | 10 | | | | |
| Total Phosphorus | 1995 - 2002 | 10 | | | | |
| RAI-3 | | | | | | |
| Dissolved Phosphorus | 1995 - 2002 | 10 | | | | |
| Total Phosphorus | 1995 - 2002 | 11 | | | | |

Table 5-5 Harrisburg Reservoir Data Inventory for Impairments

Table 5-6 contains information on data availability for other parameters that may be useful in data needs analysis and future modeling efforts for phosphorus and nitrogen as nitrate. The inventory presented in Table 5-6 represents data collected at varying depths.

| Harrisburg Lake Segment RAI; Samp | | |
|-----------------------------------|------------------|-------------------|
| RAI-1 | Period of Record | Number of Samples |
| Chlorophyll-a Corrected | 1995 - 2002 | 5 |
| Chlorophyll-a Uncorrected | 1995 - 2002 | 6 |
| Dissolved Oxygen | 1995 - 2002 | 92 |
| Water Temperature | 1995 - 2002 | 92 |
| Depth | 1995 - 2002 | 17 |
| RAI-2 | | |
| Chlorophyll-a Corrected | 1995 - 2002 | 5 |
| Chlorophyll-a Uncorrected | 1995 - 2002 | 5 |
| Dissolved Oxygen | 1995 - 2002 | 41 |
| Water Temperature | 1995 - 2002 | 41 |
| Depth | 1995 - 2002 | 10 |
| RAI-3 | | |
| Chlorophyll-a Corrected | 1995 - 2002 | 5 |
| Chlorophyll-a Uncorrected | 1995 - 2002 | 5 |
| Dissolved Oxygen | 1995 - 2002 | 27 |
| Water Temperature | 1995 - 2002 | 26 |
| Depth | 1995 - 2002 | 12 |

 Table 5-6 Harrisburg Lake Data Availability for Data Needs Analysis and Future Modeling Efforts

 Harrisburg Lake Segment RAI; Sample Locations RAI-1, RAI-2, and RAI-3

5.1.2.1.1 Total Phosphorus

The water quality standard for total phosphorus is a concentration less than or equal to 0.05 mg/L. Compliance with the total phosphorus standard is assessed using samples collected at a one-foot depth from the lake surface. The average total phosphorus concentrations at a one-foot depth for each year of available data at each monitoring site in Harrisburg Reservoir are presented in Table 5-7.

| | RAI- | 1 | RAI-2 | | RAI-3 | | Lake Average | |
|------|--------------------------|---------|--------------------------|---------|--------------------------|---------|--------------------------|---------|
| | Data Count; Number of | | Data Count; Number of | | Data Count; Number of | | Data Count; Number of | |
| Year | Violations | Average | Violations | Average | Violations | Average | Violations | Average |
| 1993 | 1; 0 | 0.014 | 0; NA | NA | 0; NA | NA | 1; 0 | 0.014 |
| 1995 | 6; 5 | 0.076 | 5; 4 | 0.085 | 5; 5 | 0.088 | 6; 5 | 0.076 |
| 2002 | 1; 1 | 0.078 | 1; 1 | 0.089 | 1; 1 | 0.110 | 1; 1 | 0.078 |

Table 5-7 Average Total Phosphorus Concentrations (mg/L) in Harrisburg Reservoir at one-foot depth

As shown in the table, the majority of samples from 1993-2002 exceeded the total phosphorous water quality standard of 0.05 mg/L. Figure 5-6 shows the total phosphorous concentrations in Harrisburg Reservoir.

5.2 Reservoir Characteristics

5.2.1 Harrisburg Reservoir

Harrisburg Reservoir is located approximately one mile east of Galatia and has a surface area of 209 acres. The lake has a maximum depth of 30 feet and an average depth of 10 feet. Depth values were available with associated water quality sampling and average depths by year are presented below.

Table 5-8 Average Depths (ft) for Harrisburg Reservoir Segment RAI (Illinois EPA 2002 and USEPA 2002a)

| Year | RAI-1 | RAI-2 | RAI-3 |
|---------|-------|-------|-------|
| 1993 | 27 | | |
| 1995 | 26 | 16 | 8 |
| 2002 | 24 | 14 | 7 |
| Average | 26 | 15 | 7.5 |

5.3 Point Sources in the Middle Fork Saline River Watershed 5.3.1 Permitted Mining Operations

There are two mining operations in the Middle fork Saline River watershed that have active NPDES point source discharge permits and are upgradient of impaired streams segments. Table 5-9 contains permit information for these point sources while Figure 5-7 shows the locations of the outfalls for each facility.

 Table 5-9 Permitted Facilities Discharging to or Upstream of Impaired Segments in the Middle

 Fork Saline River Watershed

| Facility ID | Facility Name |
|-------------|----------------------------------------------------------------|
| IL0059749 | Western Fuels-Illinois, Inc (Former Brushy Creek Coal Company) |
| IL0060402 | Delta Mine Holding Company |

The Delta Mine Holding Company is a reclaimed surface coal mine site that is permitted to discharge stormwater from multiple outfalls to Bankston Fork and Brushy Creek. The permit requires monitoring for pH and settlable solids only and has no flow information. Additionally, Western Fuels-Illinois, Inc operates the Liberty mine under NPDES Permit No. IL0059749. The facility is currently in the process of permit renewal for acid mine drainage from outfalls 002 and 005. These outfalls discharge to

Brushy Creek ATGH-04 which is upstream of segments ATGH-10 and ATGH-09. It should be noted that segment ATGH-04 is not listed for impairment on the 303(d) list.

5.4 Nonpoint Sources

There are many potential nonpoint sources of pollutant loading to the impaired segments in the Middle Fork Saline River watershed. This section will discuss site-specific cropping practices, animal operations, historic mining operations and area septic systems. Cropping practices may be contributing nutrients to Harrisburg Reservoir while animal operations and septic systems may be a potential source of fecal coliform. A discussion of historic mining operations is included as they may be sources of metals, sulfates and low pH within area waterbodies. Data were collected through communication with the local NRCS, Soil and Water Conservation District (SWCD), public health departments, and county tax department officials.

5.4.1 Crop Information

The significant portion of the land found within the Middle Fork Saline River watershed is devoted to crops. Corn and soybean farming account for approximately 31 percent and 25 percent of the watershed, respectively. Tillage practices can be categorized as conventional till, reduced till, mulch-till, and no-till. The percentage of each tillage practice for corn, soybeans, and small grains by county are generated by the Illinois Department of Agriculture from County Transect Surveys. The most recent survey was conducted in 2006. Data specific to the Middle Fork Saline River watershed were not available; however, Franklin, Hamilton, Saline, and Williamson county practices were available and are shown in the following tables.

| Table 5-10 Tillage Practices in Franklin County | | | | |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|--|
| Tillage System | Corn | Soybean | Small Grain | |
| Conventional | 79% | 25% | 17% | |
| Reduced - Till | 1% | 2% | 54% | |
| Mulch - Till | 4% | 9% | 8% | |
| No - Till | 17% | 64% | 21% | |
| Table 5-11 Tillage Practices in Hamilton County | | | | |
| Tillage System | Corn | Soybean | Small Grain | |
| Conventional | 37% | 21% | 4% | |
| Reduced - Till | 12% | 9% | 19% | |
| Mulch - Till | 0% | 6% | 28% | |
| No - Till | 51% | 64% | 49% | |
| Table 5-12 Tillage Practices in Saline County | | | | |
| Tillage System Corn Soybean Small Grain | | | Small Grain | |
| O a mana that a sh | 450/ | 1 = 0 / | 00/ | |
| Conventional | 45% | 15% | 0% | |
| Reduced - Till | 45% 12% | 15% 15% | 0% | |
| | | | | |
| Reduced - Till | 12% | 15% | 0% | |
| Reduced - Till Mulch - Till | 12% 4% 39% | 15% 4% 66% | 0% 0% 100% | |
| Reduced - Till Mulch - Till No - Till | 12% 4% 39% | 15% 4% 66% | 0% 0% 100% | |
| Reduced - Till Mulch - Till No - Till Table 5-13 Tillage | 12% 4% 39% Practices | 15% 4% 66% in Williams | 0% 0% 100% on County | |
| Reduced - Till Mulch - Till No - Till Table 5-13 Tillage Tillage System | 12% 4% 39% Practices Corn | 15% 4% 66% in Williams Soybean | 0% 0% 100% on County Small Grain | |
| Reduced - Till Mulch - Till No - Till Table 5-13 Tillage Tillage System Conventional | 12% 4% 39% Practices Corn 10% | 15% 4% 66% in Williams Soybean 26% | 0% 0% 100% on County Small Grain 0% | |

Table 5-10 Tillage Practices in Franklin County

Estimates on tile drainage were provided by the Williamson and Saline county NRCS offices. According to NRCS officials in Williamson County, land in the Middle Fork Saline River watershed consists mainly of rolling hills. As a result, little farming is done in this portion of the watershed and less than 5 percent of farms use field tiles. In Saline County, the topography is more suitable for farming; however, much of the land is unusable due to oil brine damage. On existing farms, field tiles are used on approximately 40 percent of the fields. Information on tile drainage was not available from other county offices in the watershed.

5.4.2 Animal Operations

Animal populations are available from the national Agricultural Statistics Service. Data specific to the Middle Fork Saline River watershed were not available; however, the Franklin, Hamilton, Saline, and Williamson County animal populations were reviewed and are presented in the following tables

| | 1997 | 2002 | Percent Change |
|-----------------------------------|----------------|----------------|----------------|
| Cattle and Calves | 8,052 | 7,746 | -4% |
| Beef | 3,112 | 3,135 | 1% |
| Dairy | 623 | 599 | -4% |
| Hogs and Pigs | 18,007 | 30,011 | 67% |
| Poultry | 672 | 422 | -37% |
| Sheep and Lambs | 149 | 67 | -55% |
| Horses and Ponies | NA | 634 | NA |
| Table 5-15 Hamilton County Anima | I Population (| 2002 Census o | f Agriculture) |
| | 1997 | 2002 | Percent Change |
| Cattle and Calves | 4,077 | 4,320 | 6% |
| Beef | NA | NA | NA |
| Dairy | NA | NA | NA |
| Hogs and Pigs | 12,777 | 24,167 | 89% |
| Poultry | 86 | 129 | 50% |
| Sheep and Lambs | NA | 207 | NA |
| Horses and Ponies | NA | 443 | NA |
| Table 5-16 Saline County Animal P | opulation (200 | | |
| | 1997 | 2002 | Percent Change |
| Cattle and Calves | 6,783 | 6,667 | -2% |
| Beef | 3,391 | 3,442 | 2% |
| Dairy | 130 | 108 | -17% |
| Hogs and Pigs | 29,516 | 19,520 | -34% |
| Poultry | NA | NA | NA |
| Sheep and Lambs | NA | NA | NA |
| Horses and Ponies | NA | 557 | NA |
| Table 5-17 Williamson County Anir | nal Population | n (2002 Census | |
| | 1997 | 2002 | Percent Change |
| Cattle and Calves | 9,362 | 9,774 | 4% |
| Beef | 4,836 | 5,104 | 6% |
| Dairy | 58 | 14 | -76% |
| Hogs and Pigs | 6,475 | 8,221 | 27% |
| Poultry | 567 | 298 | -47% |
| Sheep and Lambs | 103 | 111 | 8% |
| | NA | | NA |

 Table 5-14 Franklin County Animal Population (2002 Census of Agriculture)

Communications with local NRCS officials have provided more watershed-specific animal information. Williamson County NRCS officials stated that a few small cattle operations exist within the Middle Fork Saline River watershed, but there are no hog operations within the watershed. Saline County reported a few small cattle operations as well, and a few chicken and hog CAFOs, but no definite numbers of operations were available. Information on animal operations was not available from other county offices in the watershed.

5.4.3 Septic Systems

Many households in rural areas of Illinois that are not connected to municipal sewers make use of onsite sewage disposal systems, or septic systems. There are many types of septic systems, but the most common septic system is composed of a septic tank draining to a septic field, where nutrient removal occurs. However, the degree of nutrient removal is limited by soils and system upkeep and maintenance.

Across the U.S., septic systems have been found to be a significant source of phosphorous pollution. Failing or leaking septic systems contribute to fecal coliform pollution, although animal waste, urban runoff and permitted point sources can also contribute. Information on septic systems within the Middle Fork Saline River watershed was obtained, specifically for the areas surrounding Bankston Fork segment ATGC-01, which is impaired for fecal coliform and Harrisburg Reservoir, which is impaired for total phosphorus. The information on the extent of sewered and nonsewered municipalities was obtained from Egyptian Health Department, which serves Saline County. Health department officials stated that Harrisburg, Eldorado, Galatia, Raleigh, and Carriers Mills are served by city sewer systems. There is also a small town northeast of Harrisburg called Muddy that is sewered. Any homes beyond the limits of these cities and towns are served by septic systems. Health department officials stated, however, that there are very few houses outside of the city limits of each of these towns.

According to county plat maps, there are no homes located along Bankston Fork segment ATGC-01. Maps of this area show plats of 100 acres and larger, which are most likely used exclusively for agricultural purposes. Land to the west of Harrisburg is primarily composed of the "Tuttle Bottoms" land. This area is bottomland with some agriculture and large amounts of mining. Health department officials estimated that there are no more than ten homes in this area, all of which would be served by septic systems. Although the conditions of these septic systems are unknown, officials state that any problems with a septic system would be reported to their department and would be inspected and immediately brought to code.

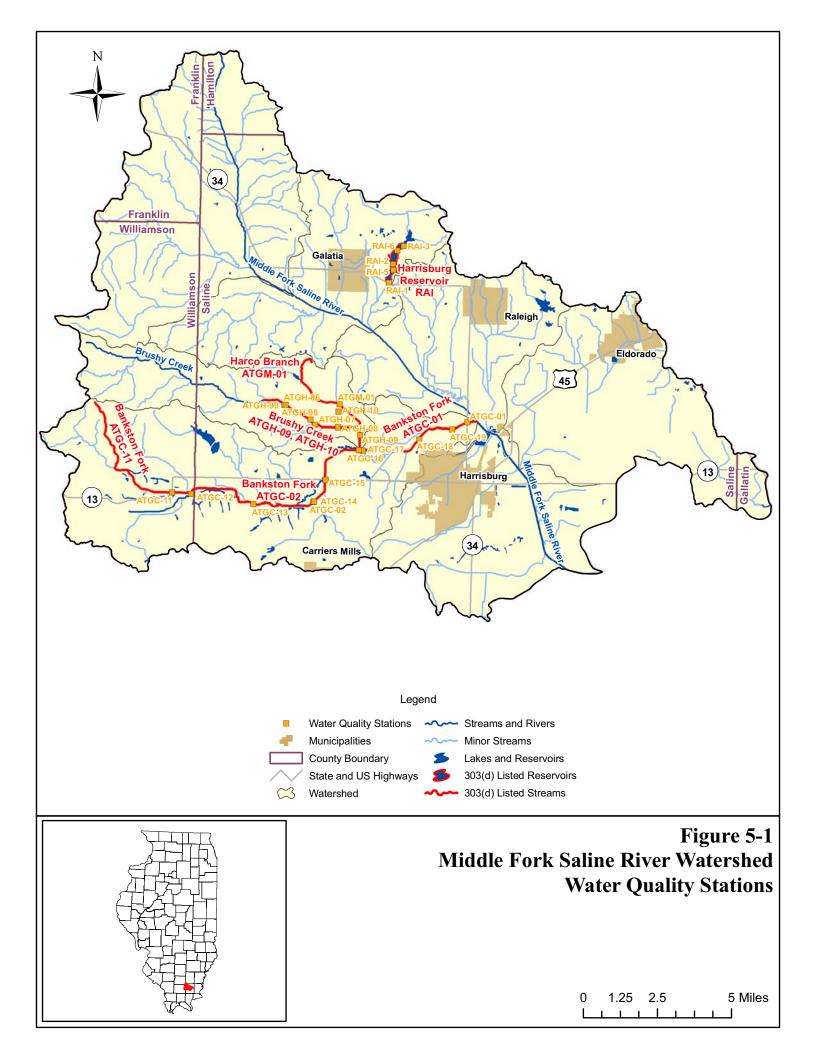
Health department officials stated that Saline County is the largest coal producing county in Illinois, and the majority of water body impairments in this region are likely the result of mining practices (refer to Section 5.3 for a brief discussion of mining in the watershed). One health department official stated that there are large populations of geese along segment ATGC-01 of Bankston Fork and suggested that geese feces could be contributing to the fecal coliform impairment.

Saline County Health Department officials were also able to provide information on the area surrounding Harrisburg Reservoir. As mentioned previously, the nearby towns of Galatia and Raleigh are both served by sewer systems. The municipality surrounding the reservoir, however, is served by septic systems. Health department officials stated that the houses surrounding the lake are primarily vacation homes and cabins occupied only during the summer months of the year. The department has received a few calls in the past dealing with failing septic systems in this area, but each of these systems was inspected and brought back to code.

5.4.4 Historic Mining Operations

In addition to the point source contributions from active mines, overland runoff from current and former mining operations can contribute to pollutant loads in the waterways. Runoff from surface mines and from mine spoils and waste can contain elevated concentrations of metals and sulfates and may have low pH levels which can further facilitate the suspension of dissolved metals into the water column.

Data from the Illinois State Geological Survey (ISGS) indicate that there are a large number of active and abandoned mines in the Middle Fork Saline River watershed, as shown in Figure 5-8. Both surface mining and underground mining operations exist in the watershed targeting the Springfield, Herrin, Dekoven/Davis, and Womac coal seams. Over 200 mining locations (past and present) are reported by the ISGS within the watershed. Permitted facilities were discussed in Section 5.3.1. Additional information on the mining operations within the Middle Fork Saline River Watershed and throughout Illinois can be found at the ISGS Coal Section website at: http://www.isgs.illinois.edu/maps-data-pub/coal-maps/coalshapefiles.shtml.



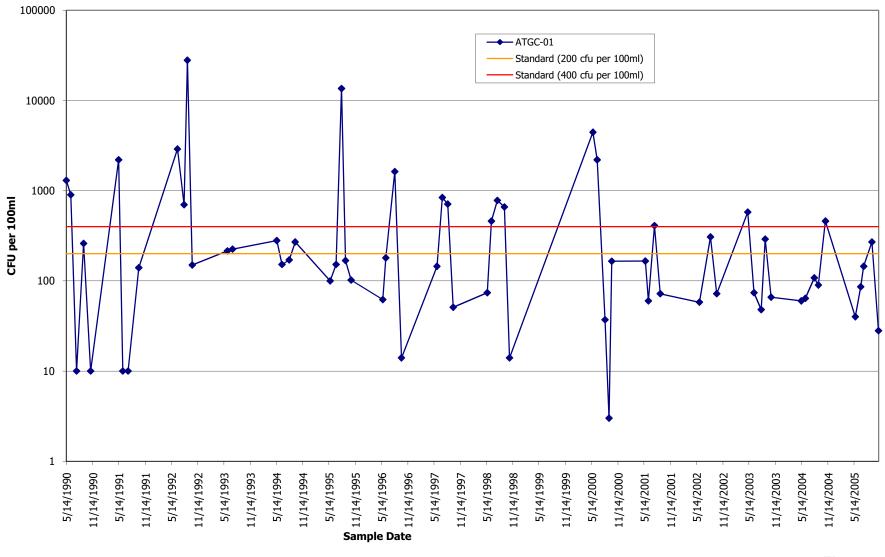


Figure 5-2: Fecal Coliform Data Bankston Fork Segment ATGC-01

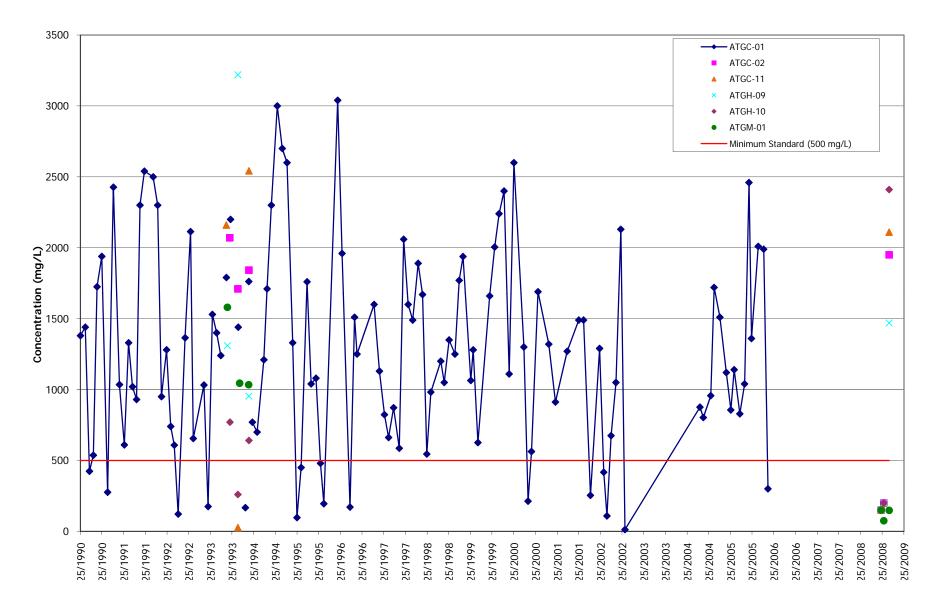


Figure 5-3: Sulfate Concentrations Impaired Stream Segments Middle Fork Saline River Watershed

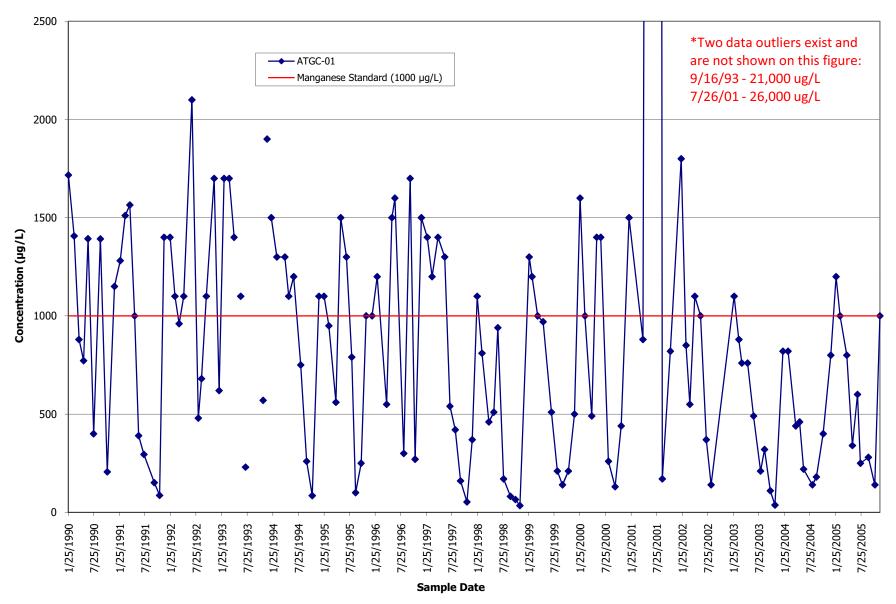


Figure 5-4: Total Manganese Concentrations Bankston Fork Segment ATCG-01

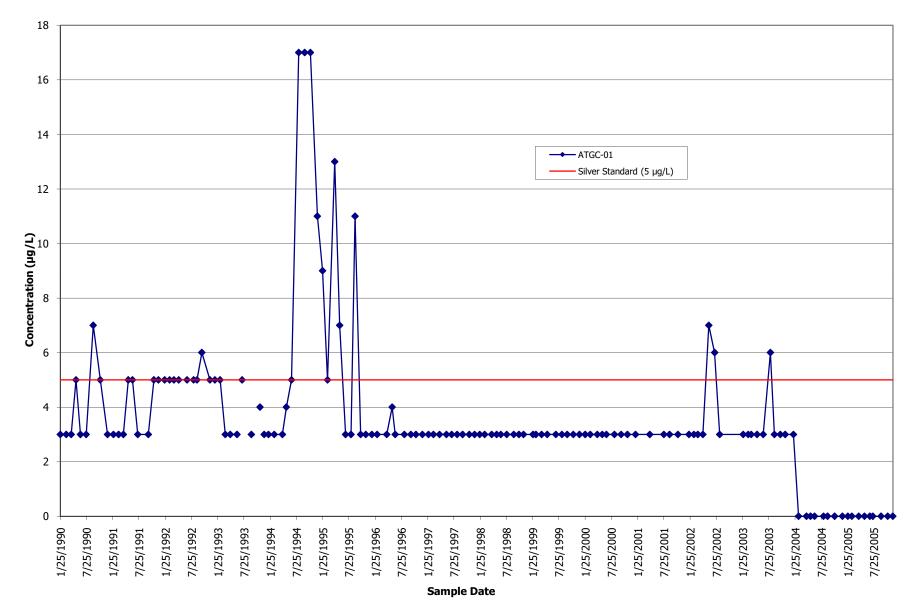
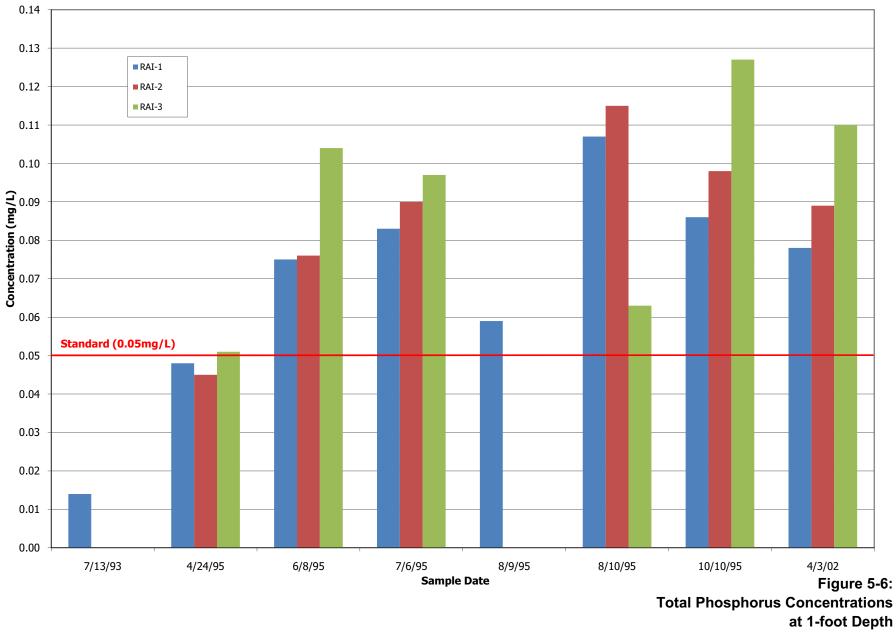
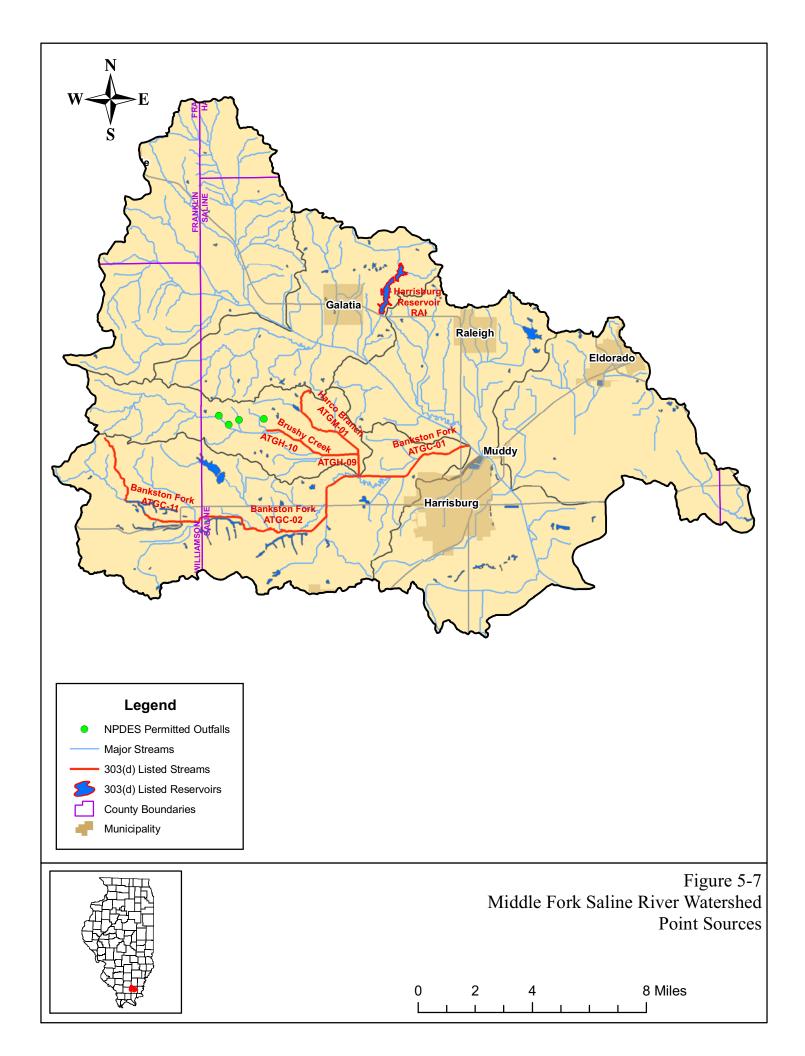
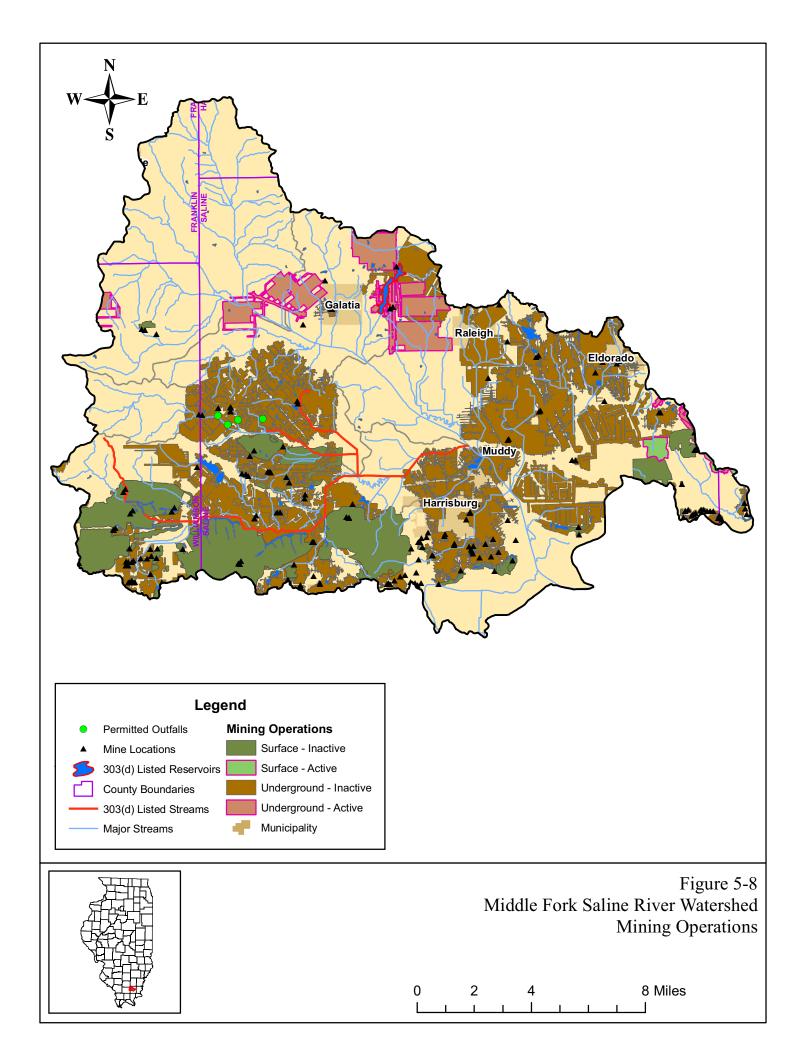


Figure 5-5: Silver Concentrations Bankston Fork Segment ATGC-01



Harrisburg Reservoir





Section 6 Approach to Developing TMDL and Identification of Data Needs

Illinois EPA is currently developing TMDLs for pollutants that have numeric water quality standards. Of the pollutants causing impairment to stream segments in the Middle Fork Saline River watershed; manganese, silver, sulfates, fecal coliform, copper, nickel, pH, and zinc are all of the parameters with numeric water quality standards. For the impaired reservoir in the watershed, total phosphorus is the only parameter with numeric water quality standards. Refer to Table 1-1 for a full list of potential causes of impairment. Illinois EPA believes that addressing the parameters with numeric standards should lead to an overall improvement in water quality due to the interrelated nature of the other listed pollutants. Recommended technical approaches for developing TMDLs for streams and lakes are presented in this section. Additional data needs are also discussed.

6.1 Simple and Detailed Approaches for Developing TMDLs

The range of analyses used for developing TMDLs varies from simple to complex. Examples of a simple approach include mass-balance, load-duration, and simple watershed and receiving water models. Detailed approaches incorporate the use of complex watershed and receiving water models. Simple approaches typically require less data than detailed approaches and therefore these are the analyses recommended for the Middle Fork Saline River watershed. Establishing a link between pollutant loads and resulting water quality is one of the most important steps in developing a TMDL. As discussed above, this link can be established through a variety of techniques. The objective of the remainder of this section is to recommend approaches for establishing these links for the constituents of concern in the Middle Fork Saline River watershed.

6.2 Approaches for Developing TMDLs for Stream Segments in Middle Fork Saline River Watershed

6.2.1 Recommended Approach for Metals, Sulfates, and Fecal Coliform TMDLs for Stream Segments

Table 6-1 contains information regarding the pollutant and available data for the impaired stream segments in the Middle Fork Saline River watershed.

| Stream Name | Segment ID | Cause of Impairment | Data Count | Period of Record |
|----------------|---------------|------------------------|---------------|---------------------|
| Bankston | ATGC-01 | Fecal Coliform | 64 | 1990-2005 |
| Fork | | Sulfates | 116 | 1990-2005 |
| | | Manganese | 137 | 1990-2005 |
| | | Silver | 137 | 1990-2005 |
| | ATGC-02 | Sulfates | 3 | 1993 |
| | | Manganese | 3 | 1993 |
| | | Silver | 3 | 1993 |
| | ATGC-11 | Sulfates | 3 | 1993 |
| | | Manganese | 3 | 1993 |
| Harco Branch | ATGM-01 | Sulfates | 3 | 1993 |
| | | Copper | 3 | 1993 |
| | | Manganese | 3 | 1993 |
| | | Nickel | 3 | 1993 |
| | | Silver | 3 | 1993 |
| | | Zinc | 3 | 1993 |
| Brushy Creek A | ATGH-09 | Sulfates | 3 | 1993 |
| | | Manganese | 3 | 1993 |
| | ATGH-10 | Sulfates | 3 | 1993 |
| | | Silver | 3 | 1993 |

 Table 6-1: Stream Impairment Data Availability Middle Fork Saline River

 Watershed

The recommended approach for developing TMDLs for these segments and parameters is the load-duration curve method. The load-duration methodology uses the cumulative frequency distribution of streamflow and pollutant concentration data to estimate the allowable loads for a waterbody. Further data collection was suggested for all segments except Bankston Fork segment ATGC-01 because the remaining segments had only 3 available samples each, all of which were collected in 1993. An additional 3 samples were collected by Illinois EPA at each segment in 2008-2009 and the data were incorporated into TMDL.

6.2.2 Recommended Approach for pH TMDL in Harco Branch Segment ATGM-01

Segment ATGM-01 of Harco Branch is listed for pH impairments. The segment had only three samples available for review and each violated the pH standard by falling below 6.5. The available samples were from 1993 meaning no data are available within the last 15 years. Potential approaches to developing the pH TMDL for this segment include a spreadsheet approach that would take into account natural conditions in the watershed. A more detailed procedure to develop the pH TMDL could be based on an analytical procedure developed by the Kentucky Department of Environmental Protection (2001). The procedure calculates a maximum allowable hydrogen ion loading in the water column to maintain pH standards. Due to the limited nature of the pH dataset and the fact that pH is a measure of acidity and/or alkalinity in the stream and not associated with a pollutant load but rather the amount of H⁺ ion in the solution, a TMDL was not calculated for pH. However, it is anticipated that pH issues will be addressed by implementing load reduction strategies for the TMDL pollutants associated with the segment, as outlined in Section 9 of this document.

6.3 Approaches for Developing TMDLs for Harrisburg Reservoir

Harrisburg Reservoir is listed for impairment caused by total phosphorus. The BATHTUB model is recommended for TMDL development. The BATHTUB model performs steady-state water and nutrient balance calculations in a spatially segmented hydraulic network that account for advective and diffusive transport, and nutrient sedimentation. The model relies on empirical relationships to predict lake trophic conditions and subsequent DO conditions as functions of total phosphorus and nitrogen loads, residence time, and mean depth (USEPA 1997). Oxygen conditions in the model are simulated as meta and hypolimnetic depletion rates, rather than explicit concentrations. Watershed loadings to the lakes were estimated using event mean concentration data, precipitation data and estimated flows within the watershed and therefore, no additional data collection was required.

Section 7 Methodology Development for the Middle Fork Saline River Watershed

7.1 Methodology Overview

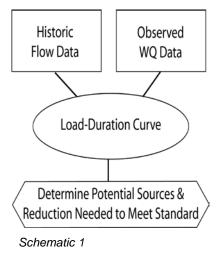
Table 7-1 contains information on the methodologies selected and used to develop TMDLs for impaired segments within the Middle Fork Saline River watershed.

| Segment Name/ID | Causes of Impairment | Methodology |
|----------------------------|-------------------------------------------------------|----------------------|
| Bankston Fork - ATGC-01 | Manganese, Silver, Sulfates, Fecal coliform | Load Duration Curves |
| Bankston Fork - ATGC-02 | Manganese, Silver, Sulfates | Load Duration Curves |
| Bankston Fork - ATGC-11 | Manganese, Sulfates | Load Duration Curves |
| Brushy Creek - ATGH-09 | Manganese, Sulfates | Load Duration Curves |
| Brushy Creek - ATGH-10 | Silver, Sulfates | Load Duration Curves |
| Harco Branch - ATGM-01 | Copper, Manganese, Nickel, pH, Silver, Sulfates, Zinc | Load Duration Curves |
| Harrisburg Reservoir - RAI | Total Phosphorus | BATHTUB |

| Table 7-1 Methodologies U | sed to Develop TMDLs in the Middle For | rk Saline River Watershed |
|---------------------------|----------------------------------------|---------------------------|
| | | |

7.1.1 Load-Duration Curve Overview

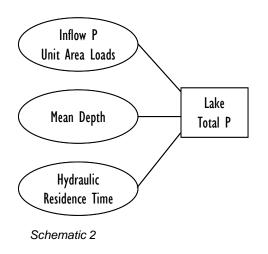
Loading capacity analyses were performed for each of the impaired stream segments in this watershed (ATGC-01, ATGC-02, ATGC-11, ATCH-09, ATGH-10, and ATGM-10). A load-duration curve is a graphical representation of the maximum load of a pollutant that a stream segment can assimilate over a range of flow scenarios while still meeting the instream water quality standard. The load-duration curve approach utilizes historic flow data and observed water quality data to provide useful information regarding the magnitude and frequency of exceedences as well as the flow scenarios when exceedences occur most often (see Schematic 1). In the Middle Fork Saline River watershed, load duration



curves were constructed for a number of contaminants including; copper, manganese, nickel, silver, zinc, sulfates, and fecal coliform.

7.1.2 BATHTUB Overview

TMDL analysis for total phosphorus in Harrisburg Reservoir involved the use of observed data coupled with the rational method as inputs to the BATHTUB model. This method required inputs from several sources including online databases and GIS-compatible data.



Schematic 2 shows the data inputs for the BATHTUB model that was used to calculate the TMDL. Subbasin flows were estimated using the area ratio method and phosphorus loadings to the reservoir from the surrounding watersheds were estimated using the unit area load method, also known as the "export coefficient" method (USEPA 2001). This method is based on the assumption that, on an annual basis and normalized to area, a roughly constant runoff pollutant loading can be expected for a given land use type. This method also requires that unit area loads are not applied to watersheds that differ greatly in climate, hydrology, soils, or ecology from those from which the parameters were derived (USGS 1997).

Once the subbasin flows and concentrations were estimated, they were used as input for the BATHTUB model. The BATHTUB model uses empirical relationships between mean reservoir depth, total phosphorus inputted to the lake, and the hydraulic residence time to determine in-reservoir concentrations (see Schematic 2).

7.2 Methodology Development

The following sections further discuss and describe the methodologies utilized to examine copper, manganese, nickel, silver, zinc, sulfates, fecal coliform, and total phosphorus levels in the impaired waterbodies in the Middle Fork Saline River watershed.

7.2.1 pH

Harco Branch segment ATGM-01 is listed for impairment caused by pH. pH is a measure of acidity and/or alkalinity in the stream and not associated with a pollutant load but rather the amount of H^+ ion in the solution. Changes in pH can impact the concentrations of certain metal ions found in the water by altering the solubility of those metals in water. Acidic waters (pH<7.0) are associated with increased capacity to contain dissolved metals and therefore, pH levels and metal concentrations in waters are often closely interrelated. It is anticipated that pH issues will be addressed by implementing load reduction strategies for the TMDL pollutants associated with the segment, as outlined in Section 9 of this document. Therefore, a specific TMDL calculation for pH on Harco Branch segment ATGM-01 was not developed.

7.2.2 Load Duration Curve Development

Load duration curves are used to gain understanding of the range of loads allowable throughout the flow regime of a stream. This approach was used to characterize the current loading of contaminants to impaired segments of Bankston Fork (ATGC-01, ATGC-02, and ATGC-11), Brushy Creek (ATGH-09 and ATGH-10), and Harco Branch (ATGM-01).

7.2.2.1 Watershed Delineation and Flow Estimation

Watersheds for the areas contributing directly to the impaired stream segments at the Illinois EPA data collection stations were delineated with GIS analyses through use of the NED as discussed in Section 2.2 of this report. The delineation determined that Bankston Fork segments ATGC-01, ATGC-02, and ATGC-11 capture flows from directly contributing watersheds of approximately 76.3, 39.2, and 10.1 square miles, respectively. Brushy Creek segment ATGH-09 captures flows from a directly contributing watershed of 21.8 square miles and the watershed for Brushy Creek segment ATGH-10 is 16.6 square miles. Stream segment ATGM-01 on Harco Branch is somewhat smaller with a watershed area of approximately 4.0 square miles. Figure 7-1 shows the location of the water quality stations on each segment as well as the boundary of the GIS-delineated watersheds.

In order to create a load duration curve, it is necessary to obtain flow data corresponding to each water quality sample. As discussed in Section 2.6.3 of this report, there are no USGS stream gages within the watersheds that have current, or even recent, streamflow data. Therefore, the drainage area ratio method, represented by the following equation, was used to estimate flows.

$$\mathbf{Q}_{gaged} \left(\frac{\mathbf{Area}_{ungaged}}{\mathbf{Area}_{gaged}} \right) = \mathbf{Q}_{ungaged}$$

| where | Q _{gaged} | = | Streamflow of the gaged basin |
|-------|-------------------------|---|---------------------------------|
| | Qungaged | = | Streamflow of the ungaged basin |
| | Areagaged | = | Area of the gaged basin |
| | Area _{ungaged} | = | Area of the ungaged basin |

The assumption behind the equation is that the flow per unit area is equivalent in watersheds with similar characteristics. Therefore, the flow per unit area in the gaged watershed multiplied by the area of the ungaged watershed estimates the flow for the ungaged watershed.

USGS gage 05597500 (Crab Orchard Creek near Marion, Illinois) was chosen as an appropriate gage from which to estimate flows for all impaired stream segments in the Middle Fork Saline River watershed. The Crab Orchard Creek watershed is approximately 9 miles west of the nearest sampling site on the impaired segments in the Middle Fork Saline River watershed (ATGC-11) and approximately 19 miles west of the furthest sampling site in the watershed (ATGC-01). The gage drains an area of 31.7 square miles, which is within an order of magnitude in size as the watersheds delineated for the impaired segments in the Middle Fork Saline River watershed. GIS analysis shows that the surrogate gage watershed has similar land use, soils, and topography as the Middle Fork Saline watershed. Data also show that the surrogate gage watershed receives comparable precipitation throughout the year.

Data were downloaded through the USGS for the Crab Orchard Creek gage and multiplied by the area ratio method discussed above to estimate flows for each watershed. Only one of the four NPDES permitted facilities in the Crab Orchard watershed has a measureable permitted flow (Crab Orchard Grade and High School permit number IL0037311). The facility is permitted to discharge 0.003 million gallons per day (mgd). These flows were subtracted from the gage to account for point source influence. The Liberty Mine (NPDES IL 0059749) has two outfalls that discharge upstream of Brushy Creek segment ATGH-10. Stormwater sedimentation ponds discharge from outfalls 005 and 009 at rates of 0.074 mgd and 0.002 mgd, respectively. Additional adjustments were made to account for these flows in Brushy Creek and Bankston Fork segment ATGC-01 which are downstream of these outfalls. Spreadsheets used for the area ratio flow calculations are provided in Appendix D.

7.2.2.2 Manganese: Bankston Fork ATGC-01, ATGC-02, ATGC-11, Brushy Creek ATGH-09, and Harco Branch ATGM-01

Flow duration curves for each impaired segment were generated by ranking the estimated daily flow data generated through the area ratio method discussed above, determining the percent of days these flows were exceeded, and then graphically plotting the results. The flows in the duration curve were then multiplied by the water quality standard for manganese to generate a load duration curve. The general use water quality standard for manganese is 1.0 mg/L (302.208(g)).

Data collected from USEPA STORET and Illinois EPA databases during Stage 1 of TMDL development and data collected by Illinois EPA in 2008 and 2009 were paired with the corresponding flow for the sampling dates and plotted against the load duration curves. Figures 7-2 through 7-6 show the load duration curves as solid lines and the historically observed pollutant loads for manganese as points on each graph. In addition, zones are shown on each figure to provide information on flow regimes. For stream segments that have annual periods of zero-flow, the flow regime categories were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

Historic data are limited within the watershed with the exception of Bankston Fork segment ATGC-01. The load duration curve for manganese on this segment shows that, out of the 137 total samples collected since 1990, 59 have exceeded the total manganese standard of 1.0 mg/L (or 1,000 ug/L). Eighty percent of the exceedences for manganese on this segment have occurred during mid-range to high flows and there have been zero exceedences in the lowest flow category.

The remaining segments (Bankston Fork ATGC-02 and ATGC-11, Brushy Creek ATGH-09, and Harco Branch ATGM0-01) each have six historic samples available for analysis. The load duration curves for manganese on these segments show that all exceedences occurred under mid-range to high flow conditions. Spreadsheets used for the calculation of manganese load duration curves are provided in Appendix E.

7.2.2.3 Silver: Bankston Fork ATGC-01, ATGC-02, Brushy Creek ATGH-10, and Harco Branch ATGM-01

Flow duration curves for analysis of silver loads to impaired segments were generated by ranking the estimated daily flow data generated through the area ratio method discussed above, determining the percent of days these flows were exceeded, and then graphically plotting the results. The flows in the duration curve were then multiplied by the water quality standard for silver to generate a load duration curve. The general use water quality standard for silver is 5 μ g/L (302.208(g)).

Data collected from USEPA STORET and Illinois EPA databases during Stage 1 of TMDL development and data collected by Illinois EPA in 2008 and 2009 were paired with the corresponding flow for the sampling dates and plotted against the load duration curves. Figures 7-7 through 7-10 show the load duration curves as solid lines and the historically observed pollutant loads for silver as points on each graph. In addition, zones are shown on each figure to provide information on flow regimes. For stream segments that have annual periods of zero-flow, the flow regime categories were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

The load duration curve for silver on Bankston Fork ATGC-01 shows that 29 of the 137 total samples exceeded the water quality criteria since 1990. Exceedences at ATGC-01 are distributed evenly throughout the range of flows with the greatest number of exceedences occurring in the mid-range of flow values. The load duration curve developed for silver at ATGC-02 shows that 2 of 6 samples exceeded the water quality standard. One of the exceedences was in a relatively high flow range and the other was in a relatively low flow range. Analysis of the load duration curve developed for silver at ATGH-10 shows that there has only been 1 exceedence of the silver criteria since 1990. The one exceedence occurred under relatively low flow conditions. Appendix F contains spreadsheets used for the calculation of the load duration curves for silver.

7.2.2.4 Sulfates: Bankston Fork Segment ATGC-01, ATGC-02, ATGC-11, Brushy Creek ATGH-09, ATGH-10, and Harco Branch ATGM-01

Flow duration curves for sulfate analysis were generated by ranking the estimated daily flow data generated through the area ratio method discussed above, determining the percent of days these flows were exceeded, and then graphically plotting the results. The sulfate standard has recently been updated in the State of Illinois (2008). The general use standard was previously 500 mg/L as outlined in Section 302.208(g) of the water quality standards. The recently adopted standard for sulfate states that "the following concentrations for sulfate must not be exceeded except in receiving waters for which mixing is allowed pursuant to Section 302.102:

1. At any point where water is withdrawn or accessed for purposes of livestock watering, the average of sulfate concentrations must not exceed 2,000 mg/L when measured at a representative frequency over a 30 day period.

- 2. The results of the following equations provide sulfate water quality standards in mg/L for the specified ranges of hardness (in mg/L as CaCO₃) and chloride (in mg/L) and must be met at all times:
 - a. If the hardness concentration of receiving waters is greater than or equal to 100 mg/L but less than or equal to 500 mg/L, and if the chloride concentration of waters is greater than or equal to 25 mg/L but less than or equal to 500 mg/L, then: C = [1276.7 + 5.508 (hardness) 1.457 (chloride)] * 0.65 where, C = sulfate concentration
 - b. If the hardness concentration of waters is greater than or equal to 100 mg/L but less than or equal to 500 mg/L, and if the chloride concentration of waters is greater than or equal to 5 mg/L but less than 25 mg/L, then: C = [-57.478 + 5.79 (hardness) + 54.163 (chloride)] * 0.65 where C = sulfate concentration
- 3. The following sulfate standards must be met at all times when hardness (in mg/L as CaCO₃) and chloride (in mg/L) concentrations other than specified in (h)(2) are present:
 - a. If the hardness concentration of waters is less than 100 mg/L or chloride concentration of waters is less than 5 mg/L, the sulfate standard is 500 mg/L.
 - b. If the hardness concentration of waters is greater than 500 mg/L and the chloride concentration of waters is 5 mg/L or greater, the sulfate standard is 2,000 mg/L.
 - c. If the combination of hardness and chloride concentrations of existing waters are not reflected in subsection (h)(3)(A) or (B), the sulfate standard may be determined in a site-specific rulemaking pursuant to section 303(c) of the Federal Water Pollution Control Act of 1972 (Clean Water Act), 33 USC 1313, and Federal Regulations at 40 CFR. 131.10(j)(2).

The calculated standards for sulfate have a minimum value of 500 mg/l and increase with increased hardness and chloride concentrations. TMDLs for sulfates were developed using the lowest calculated standard for sulfate (500 mg/L) in order to provide the most conservative estimate of allowable load. In order to facilitate the visual representation of the load duration curves for sulfate, the flows in the duration curves were multiplied by the most commonly calculated standards for sulfates (500 and 2,000 mg/L) and both concentrations are plotted on the load duration plots (Figures 7-11 through 7-16).

Data collected from USEPA STORET and Illinois EPA databases during Stage 1 of TMDL development were paired with the corresponding flow for the sampling date and plotted against the load duration curve. Data collected by IEPA in 2008were also included in the load duration plots. Figures 7-11 through 7-16 show the load duration curves as two solid lines (sulfate loads at 2,000 mg/L and 500 mg/L) and the observed

pollutant loads as points on each graph. Actual exceedences of calculated sulfate criteria are highlighted using an alternate point symbol. In addition, zones are shown on each figure to provide information on flow regimes. For stream segments that have annual periods of zero-flow, the flow regime categories were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow. Appendix G contains the spreadsheet used for this analysis.

On Bankston Fork at ATGC-01, a total of 14 of 116 sulfate samples exceeded the calculated standard with a higher concentration of exceedences observed in the lower flow ranges (2 additional exceedences were observed in the zero-flow range, but are not shown on the load duration plot). Using the new calculated standard, data show no violations on segment ATGC-02 of Bankston Fork or on Harco Branch segment ATGM-01. No further TMDL analysis for sulfates will be completed for these segments as loads do not need to be reduced. Load duration analysis for sulfates at Bankston Fork segment ATGC-11 reveals that 3 of 6 samples collected in this segment since 1990 exceed the calculated water quality criteria. The exceedences are found in low, medium, and high flow conditions, suggesting that sulfate exceedences can occur across a broad range of flow conditions. Analysis for sulfates at segment ATGH-09 reveals that 1 of 6 samples collected in this segment since 1990 exceed the calculated water quality criteria. The exceedence occurred under relatively low flow conditions. Load duration analysis for sulfates at segment ATGH-10 reveals that 1 of 6 samples collected in this segment since 1990 exceed the calculated water quality criteria. The exceedence occurred under low flow conditions.

7.2.2.5 Copper, Nickel, and Zinc: Harco Branch ATGM-01

Flow duration curves for Harco Branch ATGM-01 were generated by ranking the estimated daily flow data generated through the area ratio method discussed above, determining the percent of days these flows were exceeded, and then graphically plotting the results. Water quality standards for dissolved copper, dissolved nickel, and dissolved zinc can be found in Section 302.208(e) of the Illinois water quality standards. Standards for these metals are expressed as acute and chronic calculations that are dependent on instream hardness values. The load duration curves for each parameter were developed by multiplying the flow duration values by the acute standards calculated for the lowest observed hardness value on the segment (100 mg/L). Actual exceedences of the standards are based on acute standards calculated for each sample using total hardness data collected at the time of sampling and are also shown on Figures 7-17 through 7-19. The flow regime categories shown on these figures were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

The load duration curve developed for copper shows 2 exceedences of the calculated acute standard for the 6 dissolved copper samples reported since 1990. Both exceedences occurred under medium to high flow conditions. Similarly, 3 of 6 samples collected for dissolved nickel and 3 of 6 samples collected for dissolved zinc at ATGM-01 since 1990 have exceeded the calculated acute water quality standard. The

exceedences for nickel and zinc also occurred at medium to moderately elevated flow levels. Spreadsheets used for the calculation of load duration curves for copper, nickel and zinc at segment ATGM-01 are provided in Appendix H.

7.2.2.6 Fecal Coliform: Bankston Fork ATGC-01

A flow duration curve was developed for Bankston Fork segment ATGC-01 by determining the percent of days each estimated flow was exceeded, and then graphically plotting the results. Because the fecal coliform standard is seasonal and is only applicable between the months of May and October, only flows during this time period were used in the analysis. The flows in the duration curve were then multiplied by the water quality standard of 200 cfu/100 mL to generate a load duration curve. Fecal coliform data collected between May and October were compiled from data amassed during Stage 1 of TMDL development. These data were then paired with the corresponding flows for the sampling dates and plotted against the load duration curve. Figure 7-20 shows the load duration curve for the segment as a solid line and the observed pollutant loads as points on the graphs. The flow regime categories shown on this figure was shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

The load duration curve for fecal coliform indicates since 1990, 24 of the 64 samples collected between the months of May and October have exceeded the geometric mean standard of 200 cfu/100 mL, with a higher proportion of exceedences occurring in the mid to high flow ranges. Exceedences during high flows are likely attributable to the fecal matter introduced to the stream via overland runoff and the re-suspension of fecal material in the stream sediment. Appendix I contains spreadsheets used for the calculation of the load duration curves for fecal coliform at Bankston Fork segment ATGC-01.

7.2.3 BATHTUB Development for Harrisburg Reservoir

Harrisburg Reservoir is an approximately 220 acre reservoir located 1 mile east of Galatia, Illinois. The reservoir has a reported maximum depth of around 30 feet and an average depth of approximately 10 feet.

The BATHTUB model was used to develop the total phosphorus TMDL for Harrisburg Reservoir. BATHTUB has three primary input interfaces: global, reservoir segment(s), and watershed inputs. The individual inputs for each of these interfaces are described in the following sections along with watershed and operational information for the lake.

7.2.3.1 Global Inputs

Global inputs represent atmospheric contributions of precipitation, evaporation, and atmospheric phosphorus. As discussed in Section 2 of this report, the average annual precipitation input to the model was 38.4 inches, and the average annual evaporation input to the model was 36.1 inches (ISWS 2008). The default atmospheric phosphorus deposition rate suggested in the BATHTUB model was used in absence of site-specific

data, which is a value of 30 kilograms per square kilometer (kg/km²⁾-year (U.S. Army Corps of Engineers [USACE] 1999). This value is based on a compilation of available historic data and Illinois EPA believes that it is appropriate for use in this watershed where site-specific rates of deposition are not available.

7.2.3.2 Reservoir Segment Inputs

Reservoir segment inputs in BATHTUB are used for physical characterization of the reservoir. Harrisburg Reservoir is modeled with three segments in BATHTUB. The segment boundaries are shown on Figure 7-21. Segmentation was established based on available water quality sampling locations and lake morphologic data. Segment inputs to the model include average depth, surface area, segment length, and depth to the metalimnion. The lake depth was represented by the 2002 data from the Illinois EPA water quality stations. Segment lengths and surface areas were determined in GIS. These data are shown below (Table 7-2) for reference.

| Segment | Surface Area (km²) | Segment Length (km) | Average Depth (m) |
|---------|-----------------------|------------------------|-------------------------|
| RAI-1 | 0.232 | 0.83 | 7.69 |
| RAI-2 | 0.433 | 1.40 | 4.40 |
| RAI-3 | 0.286 | 0.96 | 2.55 |

Table 7-2 Harrisburg Reservoir Segment Data

7.2.3.3 Tributary Inputs

Tributary inputs to BATHTUB include drainage area, flow, and total phosphorus (dissolved and solid-phase) loading. The drainage area of each tributary is equivalent to the basin or subbasin it represents, which was determined with GIS analyses. Figure 7-21 also shows the subbasin boundaries. The watershed was broken up into three tributaries for purposes of the model. There is one primary tributary stream that flows into Harrisburg Reservoir, however, no water quality or flow data are available for this tributary. Therefore, the three areas contributing loads to each lake segment were used for the BATHTUB tributary inputs.

As discussed in Section 7.4.1, there are no flow gages within the watershed and the drainage area ratio method was used to estimate flows. The total mean flow into Harrisburg Reservoir was estimated to be 6.09 cfs. The flow contribution from each tributary was estimated by multiplying the average inflow by the ratio of the subbasin areas. The estimated flow from each tributary is shown in Table 7-3.

| Flows | | | | | |
|------------------------|------------------|-----------------|--------------------|--|--|
| Tributary Name | Lake Segment | Area (acres) | Flow Rate (cfs) | | |
| Overland Flow to RAI-3 | Segment 1: RAI-3 | 3,226 | 4.88 | | |
| Overland Flow to RAI-2 | Segment 2: RAI-2 | 589 | 0.89 | | |
| Overland Flow to RAI-1 | Segment 3: RAI-1 | 212 | 0.32 | | |
| | TOTAL | 4,027 | 6.09 | | |

Table 7-3 Harrisburg Reservoir Tributary Subbasin Areas and EstimatedFlows

According to the USACE, the normal storage volume for Harrisburg Reservoir is 6,233 acre-feet (USACE, National Dam Inventory data for the Harrisburg Reservoir dam). Based on this storage volume and the inflow of 6.09 cfs, the lake residence time is approximately 1.41 years.

Because there are no available historic concentration data, phosphorus loads from the contributing watershed were estimated based on land use data and the median annual export coefficients for each land use. Export coefficients for each land use category found in the Harrisburg Reservoir watershed were extracted from the USEPA's PLOAD version 3.0 user's manual. This document provides an extensive list of phosphorus export coefficients for various land uses in several regions of the country compiled from a number of sources in the literature. The export coefficients for each land use are reported in lbs/acre/year which can then be multiplied by the number of acres of each land use in the Harrisburg Reservoir watershed to provide a total median phosphorus load into the reservoir. The overall load is then distributed to each tributary area for modeling input based on the proportion of the overall watershed represented by each subbasin.

7.2.3.4 BATHTUB Confirmatory Analysis

Historical water quality data for Harrisburg Reservoir are summarized in Section 5.1.2 of this report. These data were used to help confirm model calculations. Although the analyses presented below do lend confidence to the modeling, they should not be considered a true model "calibration." Additional lake and tributary water quality and flow data are required to fully calibrate the model.

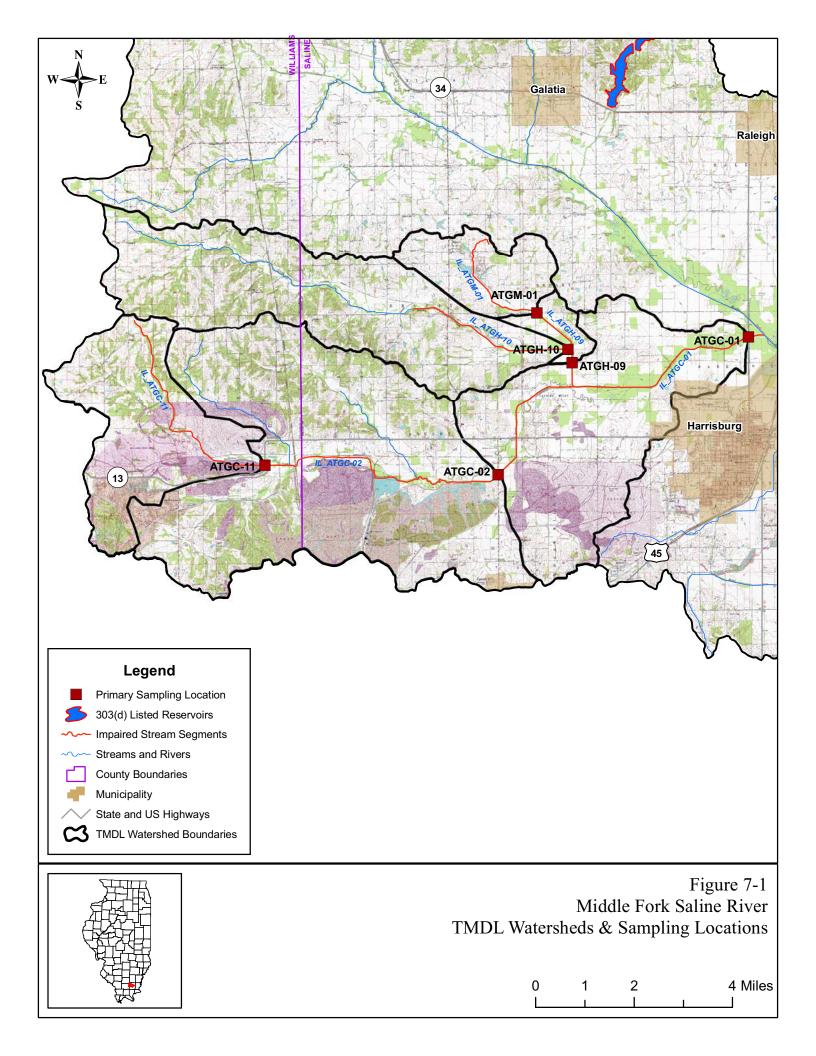
The Harrisburg Reservoir BATHTUB model was initially simulated assuming default phosphorus kinetic parameters (assimilation and decay) and no internal phosphorus loading. The lake concentrations are lower than the incoming tributary concentrations indicating that the lake is a net sink of total phosphorus. Therefore, in order to achieve a calibration, the model calibration coefficients for "sedimentation" rates (nutrient removal rates) were adjusted, rather than adjusting internal loads.

The model was simulated using the median phosphorus loads calculated with the unit area load method. These initial results showed that the predicted lake concentrations were consistently lower than observed lake concentrations. Therefore, the default

Table 7-4 Summary of Model Confirmatory Analysis- Harrisburg Reservoir Total Phosphorus (mg/l)

| (IIIg/L) | | | | | |
|-------------------|----------|-----------|--|--|--|
| Lake Site | Observed | Predicted | | | |
| Segment 1 : RAI-3 | 0.0920 | 0.0923 | | | |
| Segment 2 : RAI-2 | 0.0855 | 0.0854 | | | |
| Segment 3 : RAI-1 | 0.0697 | 0.0698 | | | |
| Lake Average | 0.0836 | 0.0837 | | | |

phosphorus decay coefficient was lowered to increase predicted total phosphorus concentration. The reduction in phosphorus decay rate brought predicted phosphorus levels in line with the observed concentrations. As can be seen in Table 7-4, an excellent match was achieved, lending significant support to the predictive ability of this simple model. A printout of the BATHTUB model files is provided in Appendix J of this report.



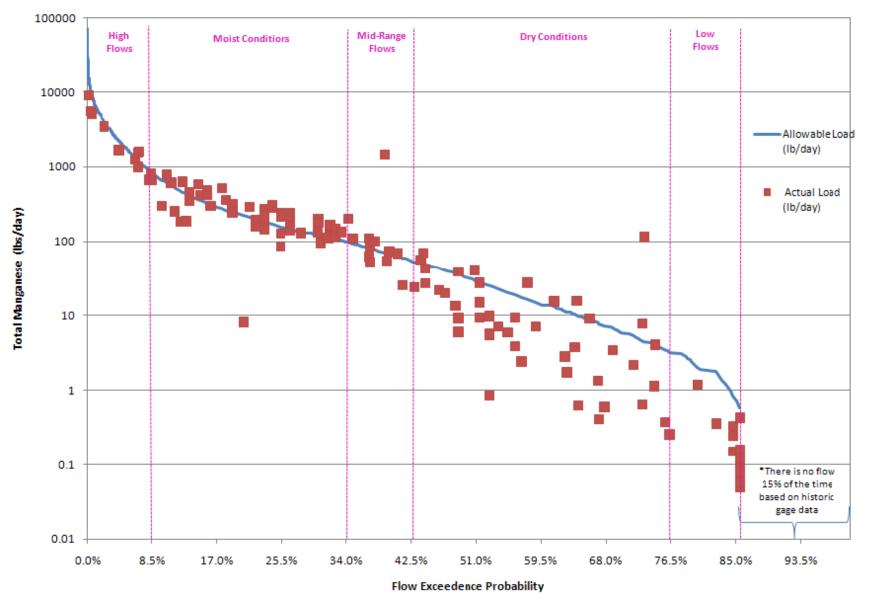


Figure 7-2 Bankston Fork Segment ATGC-01 Manganese Load Duration Curve

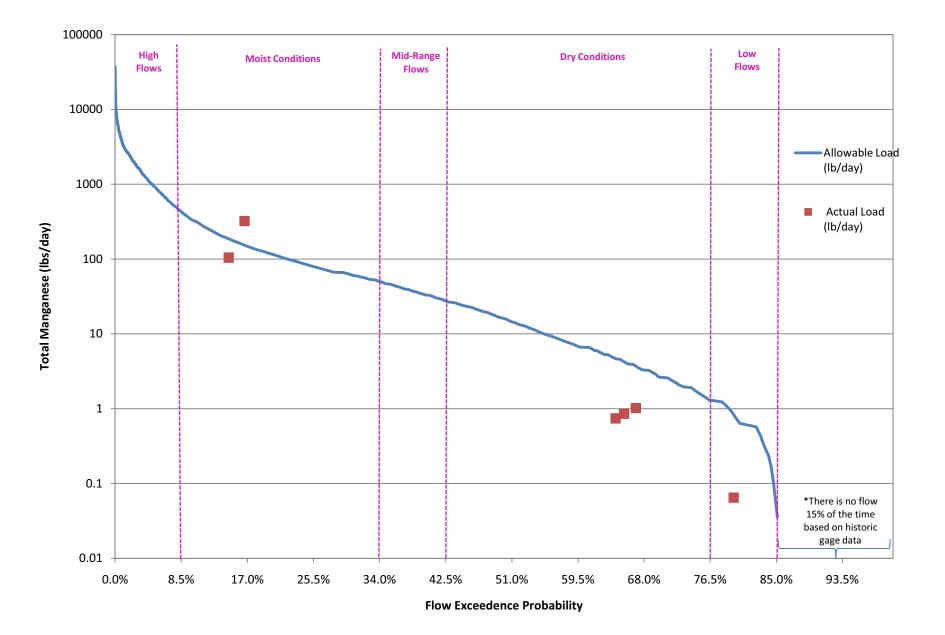
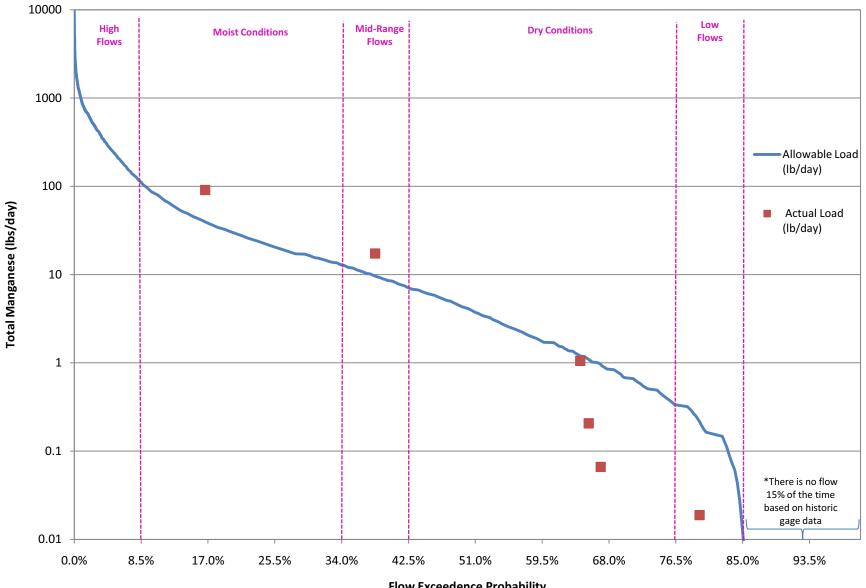


Figure 7-3 Bankston Fork Segment ATGC-02 Manganese Load Duration Curve



Flow Exceedence Probability

Figure 7-4 **Bankston Fork Segment ATGC-11 Manganese Load Duration Curve**

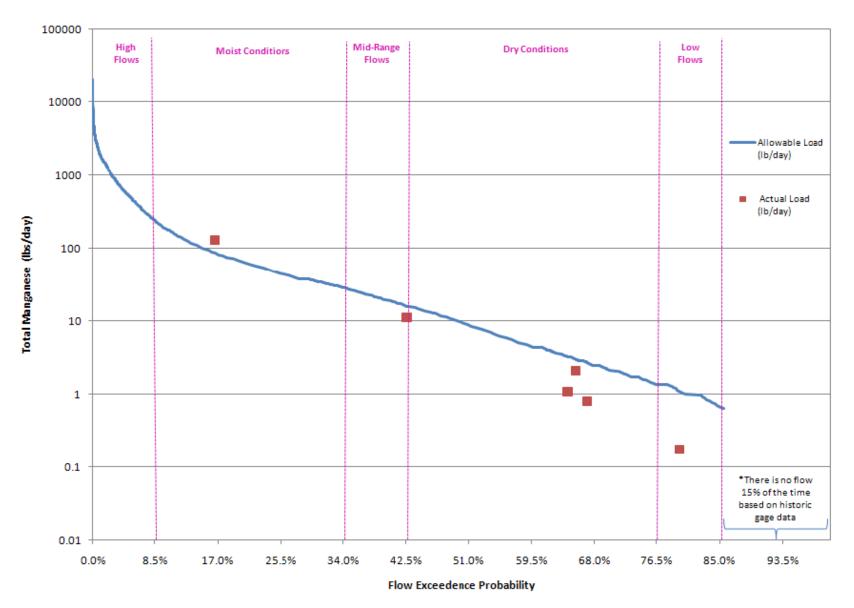


Figure 7-5 Brushy Creek Segment ATGH-09 Manganese Load Duration Curve

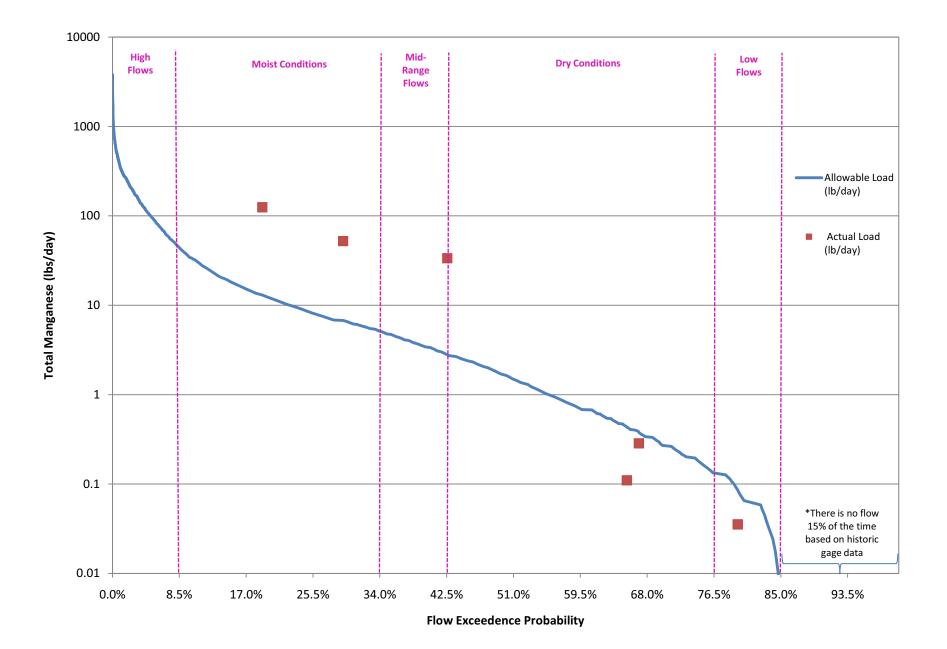


Figure 7-6 Harco Branch Segment ATGM-01 Manganese Load Duration Curve

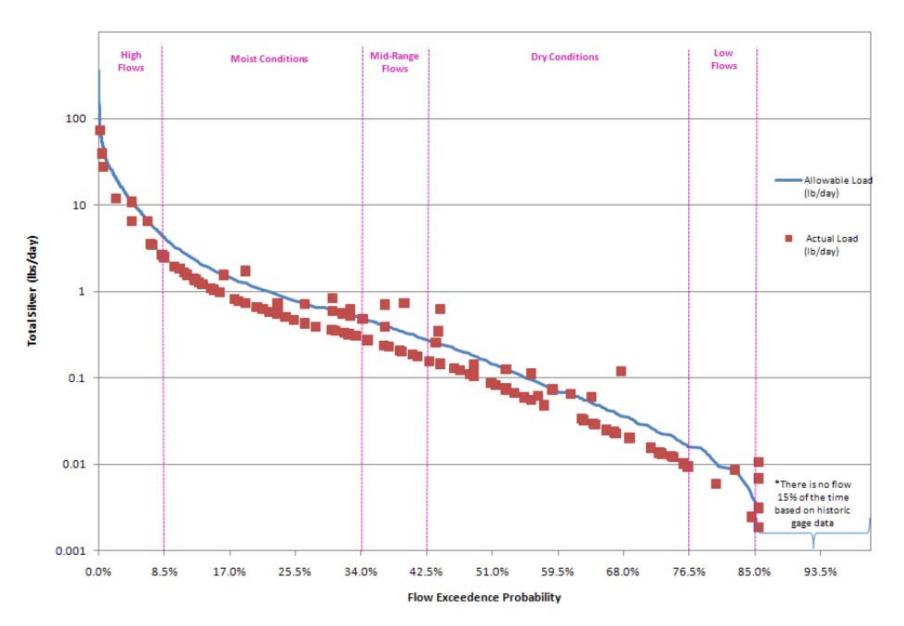
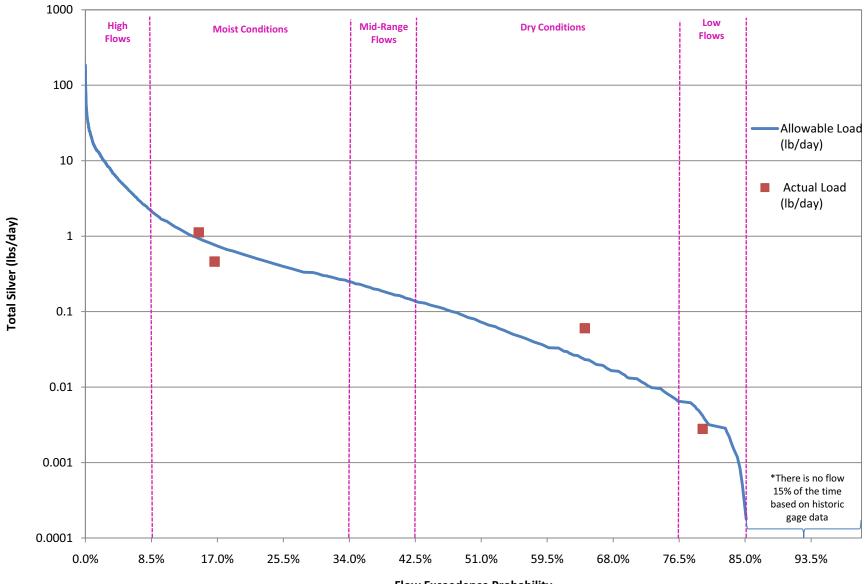


Figure 7-7 Bankston Fork Segment ATGC-01 Silver Load Duration Curve



Flow Exceedence Probability

Figure 7-8 **Bankston Fork Segment ATGC-02 Silver Load Duration Curve**

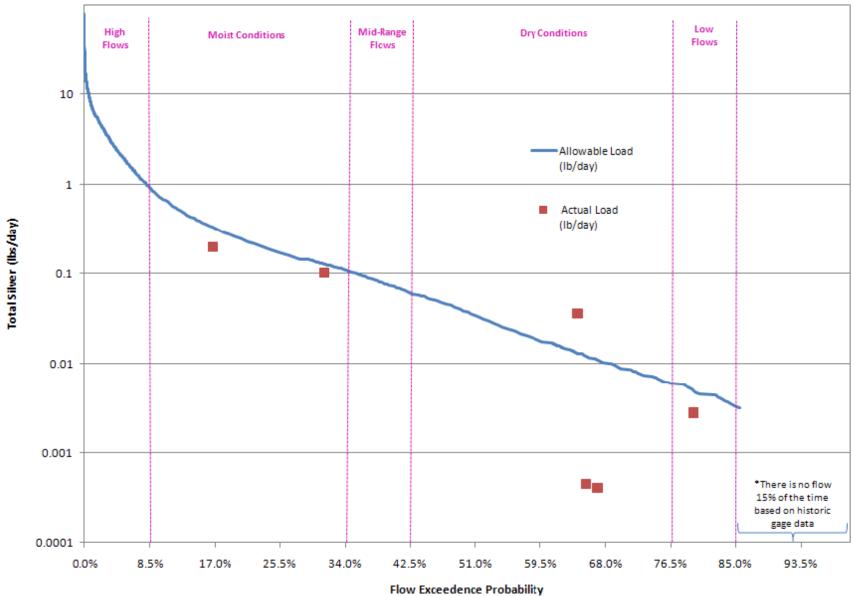


Figure 7-9 **Brushy Creek Segment ATGH-10 Silver Load Duration Curve**

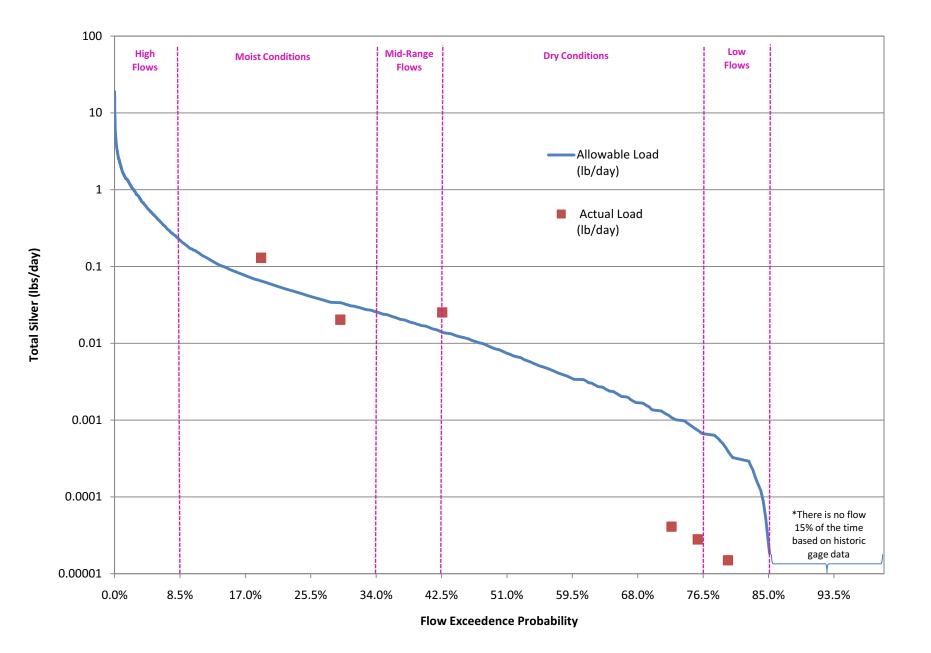


Figure 7-10 Harco Branch Segment ATGM-01 Silver Load Duration Curve

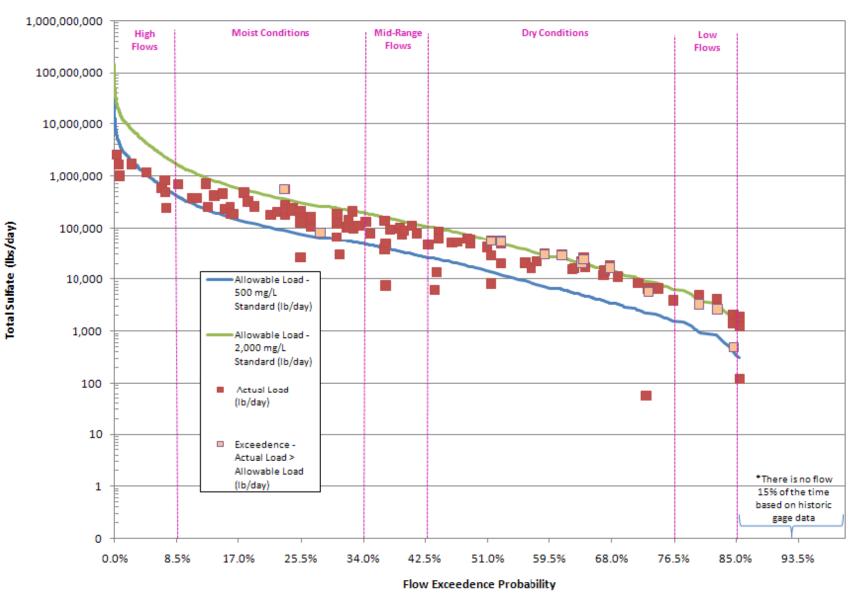
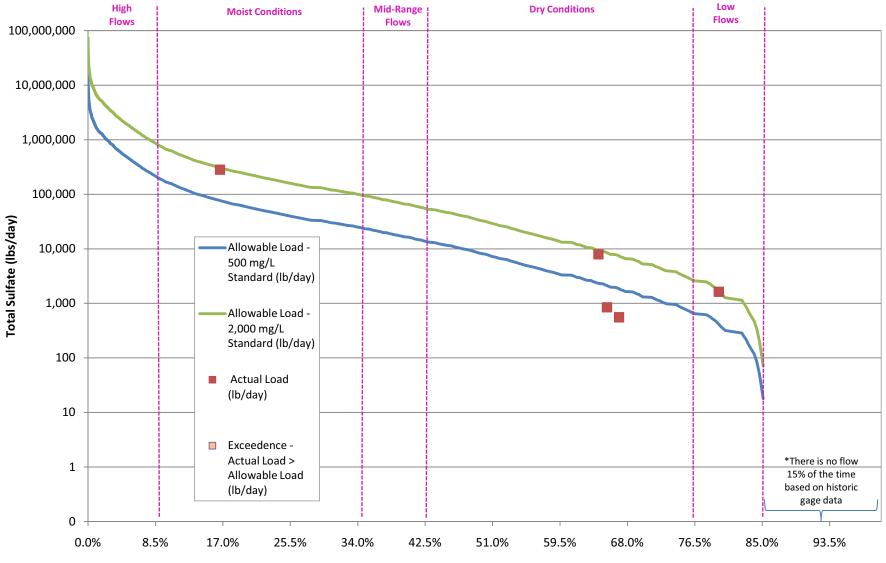
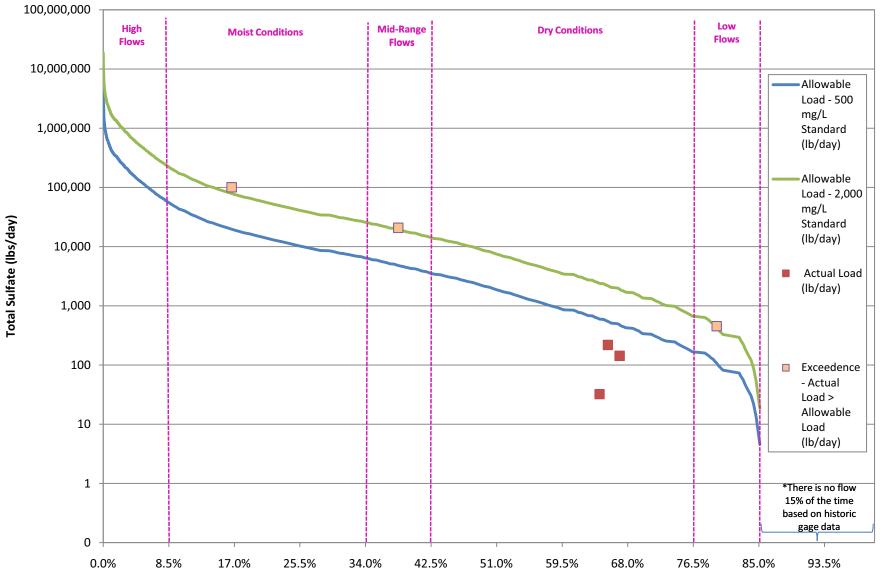


Figure 7-11 Bankston Fork Segment ATGC-01 Sulfate Load Duration Curve



Flow Exceedence Probability



Flow Exceedence Probability

Figure 7-13 Bankston Fork Segment ATGC-11 Sulfate Load Duration Curve

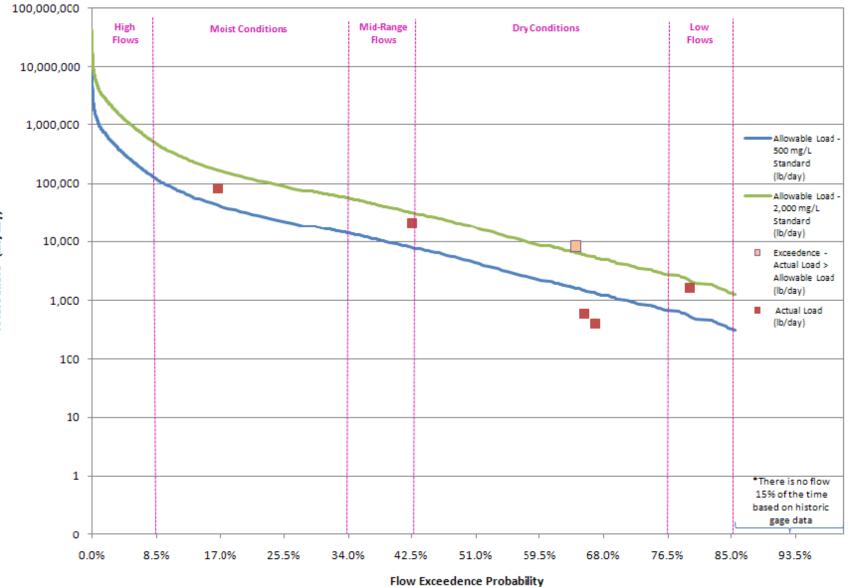
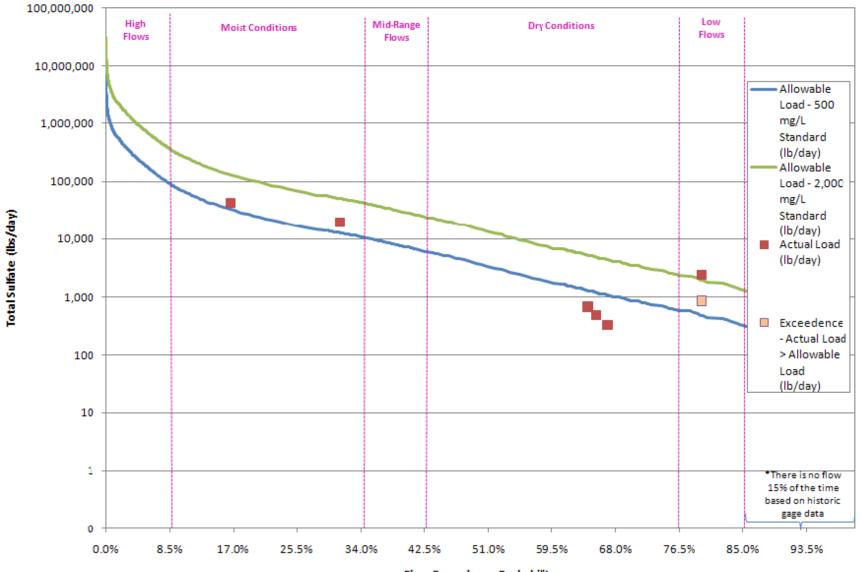


Figure 7-14 Brushy Creek Segment ATGH-09 Sulfate Load Duration Curve

Total Sulfate (lbs/day)



Flow Exceedence Probability

Figure 7-15 Brushy Creek Segment ATGH-10 Sulfate Load Duration Curve

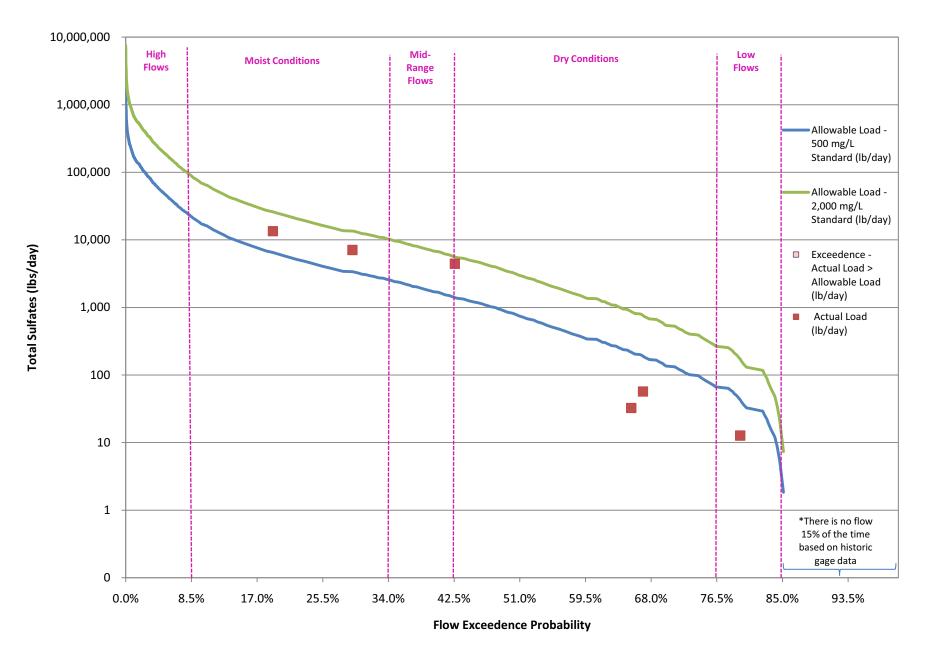


Figure 7-16 Harco Branch Segment ATGM-01 Sulfate Load Duration Curve

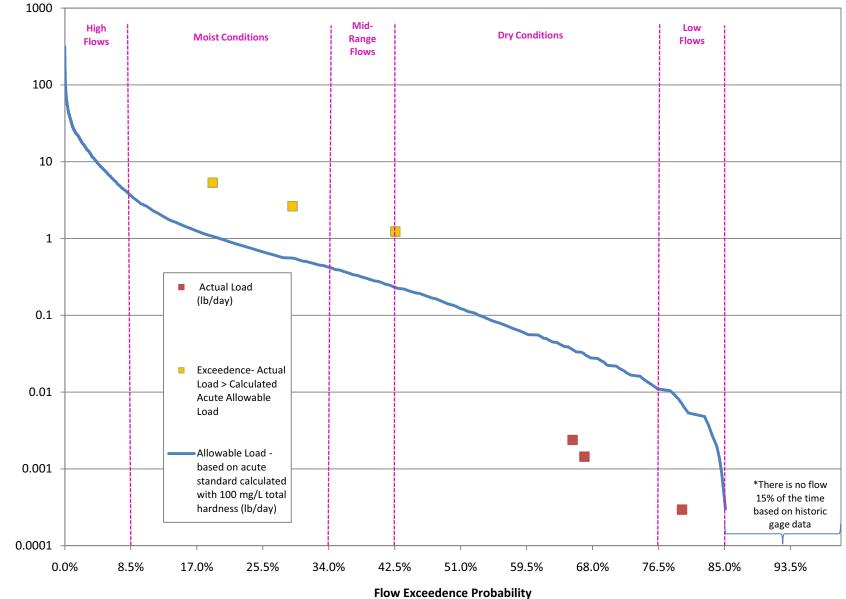


Figure 7-17 Harco Branch Segment ATGM-01 Nickel Load Duration Curve

Dissolved Nickel (Ibs/day)

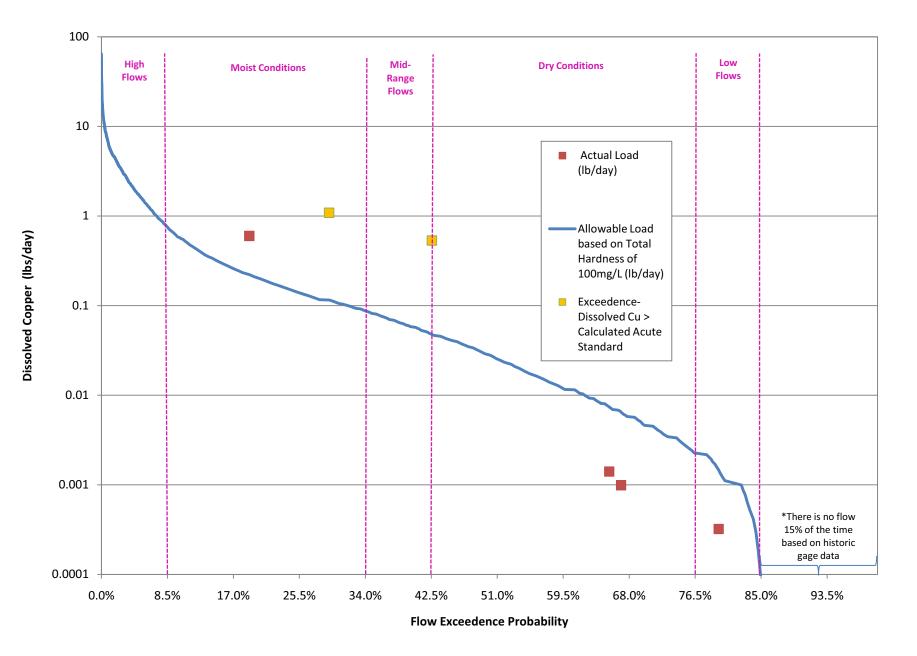
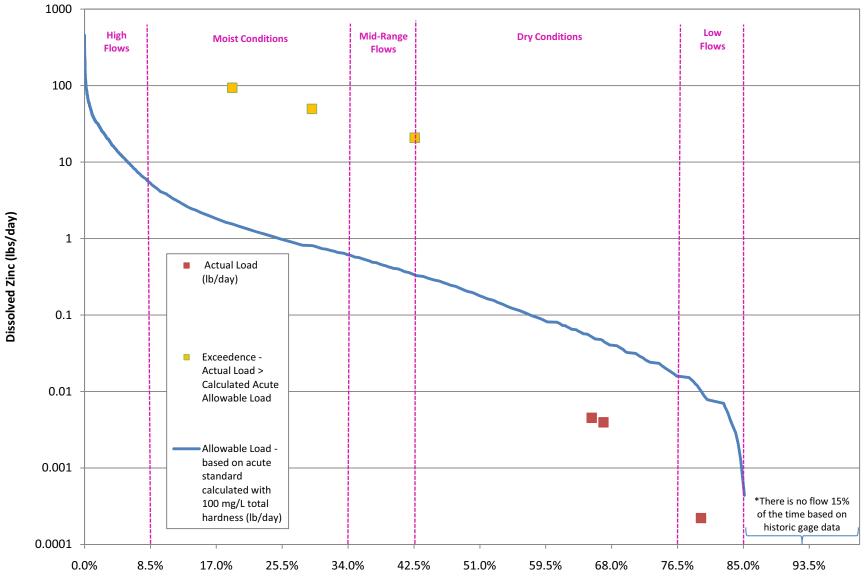
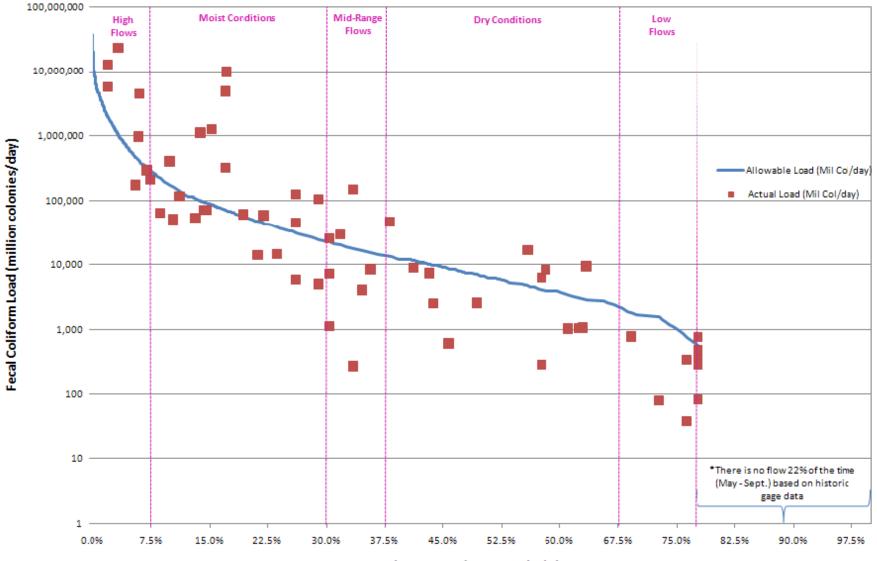


Figure 7-18 Harco Branch Segment ATGM-01 Copper Load Duration Curve



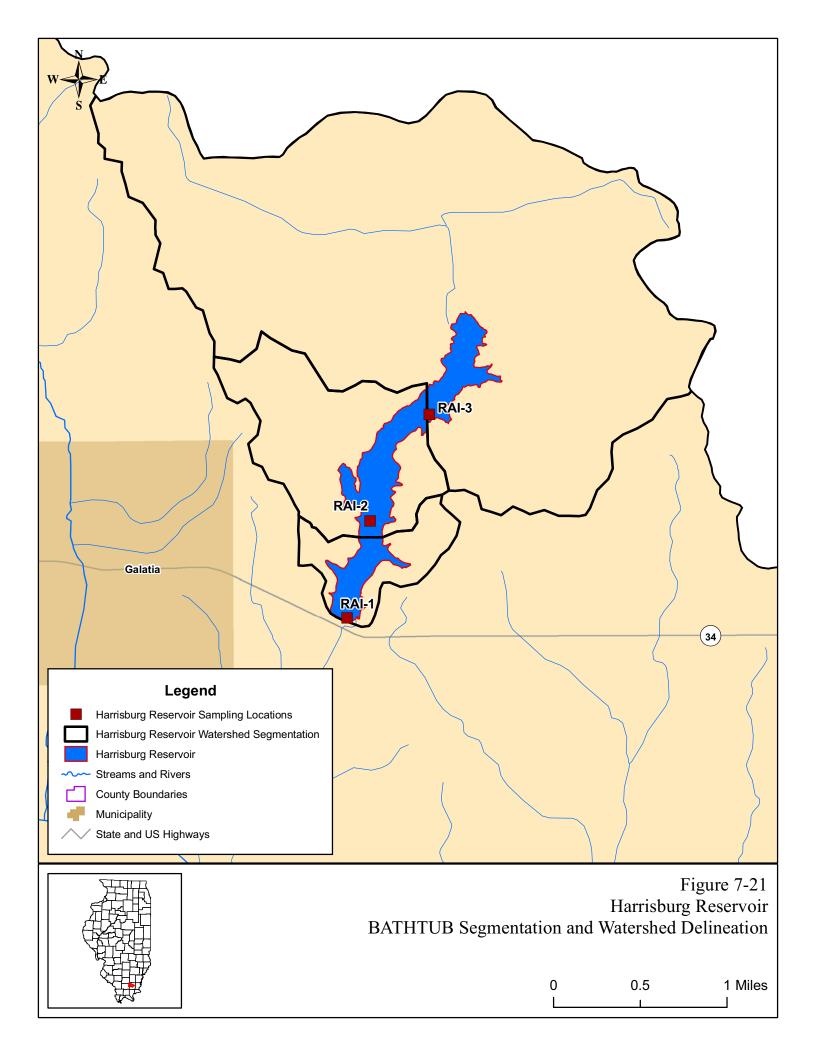
Flow Exceedence Probability

Figure 7-19 Harco Branch Segment ATGM-01 Zinc Load Duration Curve



Flow Exceedence Probability

Figure 7-20 Bankston Fork Segment ATGC-01 Fecal Coliform Load Duration Curve



Section 8 Total Maximum Daily Load for the Middle Fork Saline River Watershed

8.1 TMDL Endpoints for the Middle Fork Saline River Watershed

The TMDL endpoints for copper, manganese, nickel, phosphorus, silver, sulfates, fecal coliform, and zinc are summarized in Table 8-1. For all parameters, the concentrations must be below the TMDL endpoint. The TMDL endpoint for copper, nickel, and zinc can vary from sample to sample because the water quality standards are derived through calculations based on the measured total hardness of the water at the time of sampling. TMDL endpoints for sulfates are also variable due to the water quality standards for sulfates, which are calculated for each sample based on total hardness and chloride concentrations. All of these endpoints, plus the TMDL endpoints for manganese and silver, are based on protection of aquatic life in the impaired segments of Bankston Fork, Brushy Creek, and Harco Branch. TMDL endpoints for fecal coliform on segment ATGC-01 of Bankston Fork are based on protection of the primary body contact recreation designated use and endpoints for phosphorus in Harrisburg Reservoir are established to protect the aesthetic quality designated use for this reservoir.

Some of the average concentrations presented in Table 8-1 meet the desired endpoints. However, the data sets have maximum or minimum values, presented earlier in this report, which do not meet the desired endpoints and this was the basis for TMDL analysis. Further monitoring as outlined in the monitoring plan presented in Section 9, will help further define when impairments are occurring in the watershed and support the TMDL allocations outlined in the remainder of this section.

| Segment Name/ID | Parameter | TMDL Endpoint | Average Observed Value |
|-------------------------|----------------|--------------------------------------------------------|---------------------------|
| | Manganese | 1,000 µg/L | 1,147 µg/L |
| | Silver | 5 µg/L | 4.00 µg/L |
| Bankston Fork - ATGC-01 | Sulfate | Calculated based on Total Hardness and Chlorides | 1,287 mg/L |
| | Fecal Coliform | 400 cfu/100 mL (October - May) | 1,063 cfu/100mL |
| | Manganese | 1,000 µg/L | 562 µg/L |
| | Silver | 5 µg/L | 4.35 µg/L |
| Bankston Fork - ATGC-02 | Sulfate | Calculated based on Total Hardness and Chlorides | 1,170 mg/L |
| | Manganese | 1,000 µg/L | 888 µg/L |
| Bankston Fork - ATGC-11 | Sulfate | Calculated based on Total Hardness and Chlorides | 1,198 mg/L |

 Table 8-1 TMDL Endpoints and Average Observed Concentrations for Impaired

 Constituents in the Middle Fork Saline River Watershed

| Table 8-1 TMDL Endpoints and Average Observed Concentrations for Impaired Constituents in the Middle Fork Saline River Watershed (cont) | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------|---------------------------|--|--|--|
| Segment Name/ID | Parameter | TMDL Endpoint | Average Observed Value | | | |
| | Manganese | 1,000 µg/L | 620 µg/L | | | |
| Brushy Creek - ATGH-09 | Sulfate | Calculated based on Total Hardness and Chlorides | 1,217 mg/L | | | |
| | Silver | 5 µg/L | 4.1 µg/L | | | |
| Brushy Creek - ATGH-10 | Sulfate | Calculated based on Total Hardness and Chlorides | 739 mg/L | | | |
| | Copper | Calculated base on Total Hardness | 68 µg/L | | | |
| | Manganese | 1,000 µg/L | 5,119 µg/L | | | |
| | Nickel | Calculated base on Total Hardness | 209 µg/L | | | |
| Harco Branch - ATGM-01 | рН | 6.5 - 9.0 | 2.64 | | | |
| Harco Branch - ATGM-01 | Silver | 5 µg/L | 3.9 µg/L | | | |
| | Sulfates | Calculated based on Total Hardness and Chlorides | 672 mg/L | | | |
| | Zinc | Calculated base on Total Hardness | 3,654 µg/L | | | |
| Harrisburg Reservoir - RAI | Total Phosphorus | 0.05 mg/L | 0.08 mg/L | | | |

8.2 Pollutant Source and Linkages

Potential pollutant sources for the Middle Fork Saline River watershed include both point and nonpoint sources as described in Section 5 of this report. Load duration curves were developed for the majority of the TMDLs described in this section. Load duration curves are useful in that they provide a link between historic sampling values and hydraulic condition. Table 8-2 shows the example source area/hydrologic condition consideration developed by EPA.

| | Duration Curve Zone | | | | | | |
|------------------------------|-----------------------------------|---|---|---|---|--|--|
| Contributing Source Area | High Flow Moist Mid-Range Dry Low | | | | | | |
| Point Source | | | | М | Н | | |
| Onsite Wastewater System | | | Н | М | | | |
| Riparian Areas | | Н | Н | Н | | | |
| Stormwater: Impervious Areas | | Н | Н | Н | | | |
| Combined sewer overflows | Н | Н | Н | | | | |
| Stormwater: Upland | Н | Н | M | | | | |
| Bank Erosion | Н | М | | | | | |

Table 8-2 Example Source Area/Hydrologic Condition Considerations (EPA, 2007)

Note: potential relative importance of source area to contribute loads under given hydrologic conditions (H: High; M: Medium)

Further pollutant source discussion is provided throughout this section and implementation activities to reduce loading from the potential sources are outlined in Section 9.

8.3 Allocation

As explained in the Section 1 of this report, the TMDL for impaired segments in the Middle Fork Saline River watershed will address the following equation:

$\mathsf{TMDL} = \mathsf{LC} = \mathsf{\Sigma}\mathsf{WLA} + \mathsf{\Sigma}\mathsf{LA} + \mathsf{MOS}$

- where: LC = Maximum amount of pollutant loading a water body can receive without violating water quality standards
 WLA = The portion of the TMDL allocated to existing or future point sources
 LA = Dortion of the TMDL allocated to evisting on future nonnoint
 - LA = Portion of the TMDL allocated to existing or future nonpoint sources and natural background
 - MOS = An accounting of uncertainty about the relationship between pollutant loads and receiving water quality

Each of these elements will be discussed in this section as well as consideration of seasonal variation in the TMDL calculation.

8.3.1 Manganese TMDLs

Five segments within the Middle Fork Saline River watershed are listed for impairment caused by manganese: Bankston Fork ATGC-01, ATGC-02, and ATGC-11; Brushy Creek ATGH09; and Harco Branch ATGM-01. Load duration curves were developed (see Section 7) to determine load reductions needed to meet the instream water quality standard of 1,000 μ g/L total manganese at varying flow levels.

8.3.1.1 Loading Capacities

The LC is the maximum amount of manganese that the impaired segments can receive and still maintain compliance with the water quality standard. In order to determine the loading capacity at various flow conditions, a range of flows were multiplied by the water quality standard. Table 8-3 contains the loading capacity for manganese.

Table 8-3 Manganese Loading Capacity forImpaired Segments in the Middle Fork SalineRiver Watershed

| Estimated Mean Daily Flow (cfs) | Load Capacity (Ibs/day) |
|------------------------------------|----------------------------|
| 5 | 27 |
| 10 | 54 |
| 50 | 270 |
| 100 | 539 |
| 500 | 2,697 |
| 1,000 | 5,394 |
| 5,000 | 26,969 |
| 10,000 | 53,938 |
| 15,000 | 80,907 |

8.3.1.2 Seasonal Variations

Consideration to seasonality is inherent in the load duration analysis described above. The standard is not seasonal and the full range of expected flows is represented in the loading capacity table (Table 8-3). Therefore, the loading capacity represents conditions throughout the year. Load duration curve development and analysis (Section 7) showed that manganese violations in the impaired segments are most likely to occur under mid-range to moist conditions. By considering and addressing all flow scenarios, these critical conditions when the stream segments are most vulnerable to water quality exceedences were addressed.

8.3.1.3 Margins of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions) or explicit (expressed in the TMDL as a portion of the loadings) or a combination of both. The manganese TMDLs developed for the impaired segments

within the Middle Fork Saline River watershed contain an explicit MOS of 10 percent. Ten percent is considered adequate by the Illinois EPA to compensate for any uncertainty in the manganese TMDLs developed for these watersheds. The use of the load duration curve approach minimizes a great deal of uncertainty associated with the development of TMDLs because the calculation of the loading capacity is simply a function of flow multiplied by the target value. Most of the uncertainty is therefore associated with the estimated flows in each assessed segment which were based on extrapolating flows from downstream surrogate USGS gage. The methodology employed in estimating watershed flows was discussed in Section 7.2 of this document.

8.3.1.4 Waste Load Allocations

There are two permitted facilities in the Middle Fork Saline River watershed. The Delta Mine Holding Company (NPDES Permit No. IL0060402) is a reclaimed surface coal mine site that is permitted to discharge stormwater from multiple outfalls to Bankston Fork and Brushy Creek. The permit requires monitoring for pH and settlable solids only and has no flow information. Additionally, Western Fuels-Illinois, Inc operates the Liberty under NPDES Permit No. IL0059749. The facility is currently in the process of permit renewal for acid mine drainage from outfalls 002 and 005. These outfalls discharge to Brushy Creek ATGH-04 which is upstream of segments ATGH-10 and ATGH-09. Outfalls 002 and 005 are permit to discharge a maximum daily concentration of 1 mg/L manganese at 0.002 mgd and 0.074 mgd, respectively. WLA are included for segment ATGC-09 which is the closest segment downstream of the point source discharges which is listed as impaired for manganese. The WLA for segment ATGH-09 was developed based on the permitted concentrations and discharge rates. Both permits have conditions that state that the facilities will be considered in violation if it is determined that the permittee is not utilizing "good mining practices which are applicable in order to minimize the discharge of TDS, chloride, sulfate, iron, and manganese".

8.3.1.5 Load Allocations and TMDL Summaries

The manganese loads have been allocated between the LAs (nonpoint sources) and the MOSs. Table 8-4 shows the summary of the manganese TMDLs for the impaired segments along with the percent reductions required at various flow levels. For stream segments that have annual periods of zero low flow, the flow regime zones were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

| | otal Manganese | | kston Fork Se | | | | |
|-----------|-------------------------|-----------|---------------|------------|----------------|--------------------------------|----------------------|
| | Flow | LC | LA | WLA | MOS | Actual | Percent Reduction |
| Zone | Exceedence Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | (10% of LC) | Load ¹ (Ibs/day) | Needed (%) |
| High | 0-8.5 | 2,166.8 | 1,950.1 | 0 | 216.7 | 6,166.0 | 65% |
| | 8.5-17 | 441.6 | 397.4 | 0 | 44.2 | 705.9 | 37% |
| | 17-25.5 | 208.1 | 187.3 | 0 | 20.8 | 364.3 | 43% |
| Moist | 25.5-34 | 119.9 | 107.9 | 0 | 12.0 | 233.9 | 49% |
| Mid-Range | 34-42.5 | 71.9 | 64.7 | 0 | 7.2 | 215.9 | 67% |
| | 42.5-51 | 40.8 | 36.7 | 0 | 4.1 | 60.9 | 33% |
| | 51-59.5 | 18.7 | 16.9 | 0 | 1.9 | 25.9 | 28% |
| | 59.5-68 | 9.7 | 8.7 | 0 | 1.0 | 16.7 | 42% |
| Dry | 68-76.5 | 4.5 | 4.0 | 0 | 0.4 | 28.4 | 84% |
| Low Flow | 76.5-85 | 1.9 | 1.7 | 0 | 0.2 | 0.7 | 0% |
| | | | kston Fork Se | | | - | |
| | | LC | LA | WLA | MOS | | Percent |
| | Flow Exceedence | | | | (10% of | Actual Load ¹ | Reduction Needed |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | LC) | (lbs/day) | (%) |
| High | 0-8.5 | 1,113.40 | 1,002.00 | n/a | 111.3 | - | - |
| | 8.5-17 | 226.7 | 204 | 0 | 22.7 | 300.4 | 25% |
| | 17-25.5 | 106.6 | 96 | 0 | 10.7 | - | - |
| Moist | 25.5-34 | 61.3 | 55.2 | 0 | 6.13 | - | - |
| Mid-Range | 34-42.5 | 36.6 | 33 | 0 | 3.66 | - | - |
| | 42.5-51 | 20.6 | 18.6 | 0 | 2.06 | - | - |
| | 51-59.5 | 9.3 | 8.4 | 0 | 0.93 | - | - |
| | 59.5-68 | 4.6 | 4.2 | 0 | 0.46 | 1 | 0% |
| Dry | 68-76.5 | 2 | 1.8 | 0 | 0.2 | - | - |
| Low Flow | 76.5-85 | 0.6 | 0.6 | 0 | 0.06 | 0.1 | 0% |
| | | Ban | kston Fork Se | gment ATGC | -11 | • | - - |
| | | LC | LA | WLA | MOS | | Percent |
| | Flow | | | | | Actual | Reduction |
| | Exceedence | | | | (10% of | Load ¹ | Needed |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | LC) | (lbs/day) | (%) |
| High | 0-8.5 | 286.84 | 258.16 | 0 | 28.68 | - | - |
| | 8.5-17 | 58.39 | 52.55 | 0 | 5.84 | 90.9 | 36% |
| | 17-25.5 | 27.47 | 24.73 | 0 | 2.75 | - | - |
| Moist | 25.5-34 | 15.79 | 14.21 | 0 | 1.58 | - | - |
| Mid-Range | 34-42.5 | 9.44 | 8.5 | 0 | 0.944 | 17.31 | 45% |
| | 42.5-51 | 5.32 | 4.79 | 0 | 0.532 | - | - |
| | 51-59.5 | 2.4 | 2.16 | 0 | 0.24 | - | - |
| | 59.5-68 | 1.19 | 1.07 | 0 | 0.119 | 0.88 | 0% |
| Dry | 68-76.5 | 0.51 | 0.46 | 0 | 0.051 | - | - |
| Low Flow | 76.5-85 | 0.16 | 0.15 | 0 | 0.016 | 0.02 | 0% |

| | | LC | LA | gment ATGH- WLA | MOS | | Percent |
|-----------|---------------------------------|-----------|--------------|--------------------|----------------|------------------------------------------|----------------------------|
| Zone | Flow Exceedence Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | (10% of LC) | Actual Load ¹ (Ibs/day) | Reduction Needed (%) |
| High | 0-8.5 | 618.62 | 556.12 | 0.63 | 61.86 | - | - |
| | 8.5-17 | 126.44 | 113.16 | 0.63 | 12.64 | 127.72 | 11% |
| | 17-25.5 | 59.83 | 53.21 | 0.63 | 5.98 | - | - |
| Moist | 25.5-34 | 34.66 | 30.56 | 0.63 | 3.47 | - | - |
| Mid-Range | 34-42.5 | 20.97 | 18.24 | 0.63 | 2.10 | 10.77 | 0% |
| | 42.5-51 | 12.09 | 10.25 | 0.63 | 1.21 | - | - |
| | 51-59.5 | 5.80 | 4.58 | 0.63 | 0.58 | - | - |
| | 59.5-68 | 3.21 | 2.25 | 0.63 | 0.32 | 1.50 | 0% |
| Dry | 68-76.5 | 1.73 | 0.92 | 0.63 | 0.17 | - | - |
| Low Flow | 76.5-85 | 0.99 | 0.25 | 0.63 | 0.10 | 0.08 | 0% |
| | | Har | co Branch Se | gment ATGM- | 01 | | |
| | | LC | LA | WLA | MOS | | Percent |
| Zone | Flow Exceedence Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | (10% of LC) | Actual Load ¹ (Ibs/day) | Reduction Needed (%) |
| High | 0-8.5 | 114.27 | 102.84 | 0 | 11.43 | - | - |
| | 8.5-17 | 23.26 | 20.94 | 0 | 2.33 | - | - |
| | 17-25.5 | 10.95 | 9.85 | 0 | 1.09 | 124.86 | 91% |
| Moist | 25.5-34 | 6.29 | 5.66 | 0 | 0.63 | 52.17 | 88% |
| Mid-Range | 34-42.5 | 3.76 | 3.38 | 0 | 0.38 | 33.65 | 89% |
| | 42.5-51 | 2.12 | 1.91 | 0 | 0.21 | - | - |
| | 51-59.5 | 0.95 | 0.86 | 0 | 0.1 | - | - |
| | 59.5-68 | 0.48 | 0.43 | 0 | 0.05 | 0.27 | 0% |
| Dry | 68-76.5 | 0.2 | 0.18 | 0 | 0.02 | - | - |
| Low Flow | 76.5-85 | 0.07 | 0.06 | 0 | 0.007 | 0.04 | 0% |

8.3.2 Silver TMDLs

Four segments within the Middle Fork Saline River watershed are listed for impairment caused by silver: Bankston Fork ATGC-01 and ATGC-02; Brushy Creek ATGH10; and Harco Branch ATGM-01. Load duration curves were developed (see Section 7) to determine load reductions needed to meet the instream water quality standard of $5 \mu g/L$ silver at varying flow scenarios. Table 8-5 Loading Capacity for Silver for Impaired Segments in the Middle Fork Saline River Watershed

| Estimated Mean Daily Flow (cfs) | Load Capacity (Ibs/day) | | | | | |
|------------------------------------|----------------------------|--|--|--|--|--|
| 5 | 0.13 | | | | | |
| 10 | 0.27 | | | | | |
| 50 | 1.3 | | | | | |
| 100 | 2.7 | | | | | |
| 500 | 13.5 | | | | | |
| 1,000 | 27.0 | | | | | |
| 5,000 | 134.8 | | | | | |
| 10,000 | 269.7 | | | | | |
| 15,000 | 404.5 | | | | | |

8.3.2.1 Loading Capacities

The LC is the maximum amount of silver that the impaired segments can receive and still maintain compliance with the water quality standard. In order to determine the loading capacity at various flow conditions, a range of flows were multiplied by the water quality standard. Table 8-5 contains the loading capacity for manganese.

8.3.2.2 Seasonal Variations

Consideration to seasonality is inherent in the load duration analysis described above. The standard is not seasonal and the full range of expected flows is represented in the loading capacity table (Table 8-5). Therefore, the loading capacity represents conditions throughout the year. Load duration analysis showed that exceedances have occurred over most flow regimes on the impaired segments. By considering and addressing all flow scenarios, the critical conditions when the stream segment is most vulnerable to water quality exceedences were addressed.

8.3.2.3 Margins of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions) or explicit (expressed in the TMDL as a portion of the loadings) or a combination of both. The TMDLs developed for silver contain an explicit MOS of 10 percent. Ten percent is considered adequate by the Illinois EPA to compensate for any uncertainty in the silver TMDLs developed for these watersheds. The use of the load duration curve approach minimizes a great deal of uncertainty associated with the development of TMDLs because the calculation of the loading capacity is simply a function of flow multiplied by the target value. Most of the uncertainty is therefore associated with the estimated flows in each assessed segment which were based on extrapolating flows from the surrogate USGS gage. The methodology employed in estimating watershed flows was discussed in Section 7.2 of this document.

8.3.2.4 Waste Load Allocations

There are two permitted facilities in the Middle Fork Saline River watershed. The Delta Mine Holding Company (NPDES Permit No. IL006402) is a reclaimed surface coal mine site that is permitted to discharge stormwater from multiple outfalls to Bankston Fork and Brushy Creek. The permit requires monitoring for pH and settlable solids only and has no flow information. Additionally, Western Fuels-Illinois, Inc operates the Liberty under NPDES Permit No. IL0059749. The facility is currently in the process of permit renewal for acid mine drainage from outfalls 002 and 005. These outfalls discharge to Brushy Creek ATGH-04 which is upstream of segments ATGH-10 and ATGH-09. Outfalls 002 and 005 are permit to discharge 0.002mgd and 0.074mgd, respectively. Brushy Creek segment ATGH-10 is the closest segment downstream of the point source that is impaired for silver and although the NPDES permit does not require monitoring for silver, a WLA was developed based on the discharge rates and the water quality standard.

8.3.2.5 Load Allocations and TMDL Summaries

Because there is no WLA in these TMDLs, the silver loads have been allocated between the LAs (nonpoint sources) and the MOSs. Table 8-6 shows the summary of the silver TMDLs for the impaired segments along with reductions needed at various flow levels. For stream segments that have annual periods of zero-flow, the flow regime zones were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

| | | | ston Fork Se | r Watershed gment ATG | | | |
|-------------|------------|-----------|--------------|--------------------------|---------|-------------------|------------|
| | Flow | | | Ĭ | MOS | Actual | Percent |
| | Exceedence | LC | LA | WLA | (10% of | Load ¹ | Reduction |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | LC) | (lbs/day) | Needed (%) |
| High | 0-8.5 | 10.834 | 9.750 | 0 | 1.083 | 36.985 | 74% |
| Ŭ | 8.5-17 | 2.208 | 1.987 | 0 | 0.221 | 1.783 | 0% |
| - | 17-25.5 | 1.041 | 0.937 | 0 | 0.104 | 0.782 | 0% |
| Moist | 25.5-34 | 0.600 | 0.540 | 0 | 0.060 | 0.714 | 24% |
| Mid-Range | 34-42.5 | 0.360 | 0.324 | 0 | 0.036 | 0.678 | 52% |
| inia riango | 42.5-51 | 0.204 | 0.184 | 0 | 0.020 | 0.336 | 45% |
| - | 51-59.5 | 0.094 | 0.084 | 0 | 0.009 | 0.119 | 29% |
| - | 59.5-68 | 0.048 | 0.043 | 0 | 0.005 | 0.067 | 35% |
| Dry | 68-76.5 | 0.022 | 0.020 | 0 | 0.002 | 0.015 | 0% |
| Low Flow | 76.5-85 | 0.002 | 0.020 | 0 | 0.002 | 0.005 | 0% |
| LOW TIOW | 70.5-05 | | ston Fork Se | | | 0.005 | 078 |
| | Flow | Banka | | | MOS | Actual | Percent |
| | Exceedance | LC | LA | WLA | (10% of | Load ¹ | Reduction |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | LC) | (lbs/day) | Needed (%) |
| High | 0-8.5 | 5.567 | 5.010 | 0 | 0.5567 | (IDS/Gdy) | |
| riigii | 8.5-17 | 1.133 | 1.020 | 0 | 0.1133 | 1.055 | 0% |
| Moist | 17-25.5 | 0.533 | 0.480 | 0 | 0.0533 | 1.000 | - |
| WOISt | 25.5-34 | 0.333 | 0.480 | 0 | 0.0307 | - | - |
| Mid Dongo | | | 0.276 | 0 | | - | - |
| Mid-Range | 34-42.5 | 0.183 | | | 0.0183 | - | - |
| - | 42.5-51 | | 0.093 | 0 | 0.0103 | - | - |
| Dry | 51-59.5 | 0.047 | 0.042 | 0 | 0.0047 | | |
| - | 59.5-68 | 0.023 | 0.021 | 0 | 0.0023 | 0.060 | 62% |
| | 68-76.5 | 0.010 | 0.009 | 0 | 0.0010 | - | - |
| Low Flow | 76.5-85 | 0.003 | 0.003 | 0 | 0.0003 | 0.003 | 0% |
| | | Brus | hy Creek Seg | gment ATGF | | | |
| | _ Flow | | | | MOS | | Percent |
| 7 | Exceedence | LC | LA | WLA | (10% of | | Reduction |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | LC) | (lbs/day) | Needed (%) |
| High | 0-8.5 | 2.3588 | 2.1197 | 0.003 | 0.2359 | - | - |
| | 8.5-17 | 0.4827 | 0.4344 | 0.003 | 0.0483 | 0.1947 | 0% |
| Moist | 17-25.5 | 0.2288 | 0.2059 | 0.003 | 0.0229 | - | - |
| | 25.5-34 | 0.1329 | 0.1196 | 0.003 | 0.0133 | 0.0993 | 0% |
| Mid-Range | 34-42.5 | 0.0807 | 0.0726 | 0.003 | 0.0081 | - | - |
| _ | 42.5-51 | 0.0468 | 0.0421 | 0.003 | 0.0047 | - | - |
| Dry | 51-59.5 | 0.0229 | 0.0206 | 0.003 | 0.0023 | - | - |
| Diy | 59.5-68 | 0.0130 | 0.0117 | 0.003 | 0.0013 | 0.0231 | 44% |
| | 68-76.5 | 0.0073 | 0.0066 | 0.003 | 0.0007 | - | - |
| Low Flow | 76.5-85 | 0.0045 | 0.0041 | 0.003 | 0.0005 | 0.0010 | 0% |
| | | Harco | o Branch Seg | ment ATGM | | | |
| | Flow | | | | MOS | Actual | Percent |
| _ | Exceedance | LC | LA | WLA | (10% of | Load ¹ | Reduction |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | LC) | (lbs/day) | Needed (%) |
| High | 0-8.5 | 0.5714 | 0.5142 | 0 | 0.05714 | - | - |
| L | 8.5-17 | 0.1163 | 0.1047 | 0 | 0.01163 | - | - |
| Moist | 17-25.5 | 0.0547 | 0.0493 | 0 | 0.00547 | 0.1301 | 58% |
| | 25.5-34 | 0.0315 | 0.0283 | 0 | 0.00315 | 0.0203 | 0% |
| Mid-Range | 34-42.5 | 0.0188 | 0.0169 | 0 | 0.00188 | 0.0252 | 25% |
| | 42.5-51 | 0.0106 | 0.0095 | 0 | 0.00106 | - | - |
| | 51-59.5 | 0.0048 | 0.0043 | 0 | 0.00048 | - | - |
| Dry | 59.5-68 | 0.0024 | 0.0021 | 0 | 0.00024 | - | - |
| Γ | 68-76.5 | 0.0010 | 0.0009 | 0 | 0.00010 | 0.00004 | 0% |
| Low Flow | 76.5-85 | 0.0003 | 0.0003 | 0 | 0.00003 | 0.00002 | 0% |

Table 8-6 Silver TMDLs for the Middle Fork Saline River Watershed

¹ Actual Load was calculated using the 90th percentile of observed total silver concentrations in a given flow range (EPA 2007)

8.3.3 Sulfate TMDLs

Six segments within the Middle Fork Saline River watershed are listed for impairment caused by sulfate: Bankston Fork ATGC-01, ATGC-02, and ATGC-11; Brushy Creek ATGH09 and ATGH10; and Harco Branch ATGM-01. The water quality standard for sulfates in Illinois was revised in 2008. The new standard considers the total hardness and chloride conditions present at the time of sample collection to calculate the sulfate standard. Using the new calculated standard, data showed no violations on segment ATGC-02 of Bankston Fork or on Harco Branch segment ATGM-01. No further TMDL analysis for sulfates will be completed for these segments as loads do not need to be reduced. The load duration curves for the remaining impaired segments were used to determine load reductions needed to meet an instream water quality standard of 500 mg/L at varying flow scenarios (further discussion provided in Section 8.3.3.1 below).

8.3.3.1 Loading Capacities

The LC is the maximum amount of sulfate that the impaired segments can receive and still maintain compliance with the water quality standards. As discussed above, the water quality standard for sulfates in Illinois was revised in 2008. The new standard considers the total hardness and chloride conditions present at the time of sample collection to calculate the sulfate standard. The minimum hardness and chloride values

Table 8-7 Sulfate Loading Capacity forImpaired Segments in the Middle Fork SalineRiver Watershed

| Estimated Mean Daily Flow (cfs) | Load Capacity (Ibs/day) |
|------------------------------------|----------------------------|
| 5 | 13,484 |
| 10 | 26,969 |
| 50 | 134,844 |
| 100 | 269,689 |
| 500 | 1,348,444 |
| 1,000 | 2,696,888 |
| 5,000 | 13,484,440 |
| 10,000 | 26,968,879 |
| 15,000 | 40,453,319 |

seen in the watershed result in a sulfate standard of 500 mg/L. Table 8-7 contains the loading capacity for sulfate at 500 mg/L for varying flows in the impaired segments.

8.3.3.2 Seasonal Variations

Consideration to seasonality is inherent in the load duration analysis described above. The standard is not seasonal and the full range of expected flows is represented in the loading capacity table (Table 8-7). Therefore, the loading capacity represents conditions throughout the year. Exceedances of the standard have been recorded under most flow scenarios with the highest percent of exceedances occurring during dry and low flows. By considering and addressing all flow scenarios, the critical conditions when the stream segment is most vulnerable to water quality exceedences were addressed.

8.3.3.3 Margins of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions) or explicit (expressed in the TMDL as a portion of the loadings) or a combination of both. The TMDLs developed for sulfate in impaired segments in the Middle Fork Saline River watershed contain implicit MOSs because the TMDLs are based on the allowable loads calculated for the minimum calculated water quality

standard of 500 mg/L. Therefore, the TMDL calculations underestimate the allowable loads for the stream segment under various flow conditions, providing a conservative estimate of the TMDLs.

8.3.3.4 Waste Load Allocation

There are two permitted facilities in the Middle Fork Saline River watershed. The Delta Mine Holding Company (NPDES Permit No. IL006402) is a reclaimed surface coal mine site that is permitted to discharge stormwater from multiple outfalls to Bankston Fork and Brushy Creek. The permit requires monitoring for pH and settlable solids only and has no flow information. Additionally, Western Fuels-Illinois, Inc operates the Liberty under NPDES Permit No. IL0059749. The facility is currently in the process of permit renewal for acid mine drainage from outfalls 002 and 005. These outfalls discharge to Brushy Creek ATGH-04 which is upstream of segments ATGH-10 and ATGH-09. Outfalls 002 and 005 are permit to discharge a maximum daily concentration of 2000 mg/L sulfate at 0.002 mgd and 0.074 mgd, respectively. WLA for Brushy Creek segments ATGH-09 and ATGH-10 were developed based on the permitted concentrations and discharge rates. The TMDL was developed based on the endpoint of 500 mg/L sulfate. At low flows, the WLA based on maximum permitted concentrations and flow rates exceed the LCs of the segments. In these instances, the WLA was set to the LC. Both permits have conditions that state that the facilities will be considered in violation if it is determined that the permittee is not utilizing "good mining practices which are applicable in order to minimize the discharge of TDS, chloride, sulfate, iron, and manganese."

8.3.3.5 Load Allocation and TMDL Summary

The sulfate loads have been allocated between the LA (nonpoint sources) and the MOS. Table 8-8 shows the summary of the sulfate TMDLs for the impaired segments along with the percent reductions required at various flow levels. For stream segments that have annual periods of zero-flow, the flow regime zones were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

| | otal Sulfate TMD | | | egment ATGC | | | |
|---------------|---------------------------------|------------------------------|------------------------------|------------------------|----------|------------------------------------------|---------------------------------------|
| | Flow | | | | | Actual | Percent Reduction |
| | Exceedence | LC ¹ | LA ¹ | WLA | | Load ² | Needed |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | MOS | (lbs/day) | (%) |
| High | 0-8.5 | 1,083,385 | 1,083,385 | 0 | implicit | 1,769,911 | 39% |
| | 8.5-17 | 220,798 | 220,798 | 0 | implicit | 479,314 | 54% |
| Moist | 17-25.5 | 104,057 | 104,057 | 0 | implicit | 400,972 | 74% |
| | 25.5-34 | 59,955 | 59,955 | 0 | implicit | 174,635 | 66% |
| Mid-Range | 34-42.5 | 35,958 | 35,958 | 0 | implicit | 129,057 | 72% |
| | 42.5-51 | 20,392 | 20,392 | 0 | implicit | 60,879 | 67% |
| Dm | 51-59.5 | 9,367 | 9,367 | 0 | implicit | 56,023 | 83% |
| Dry | 59.5-68 | 4,827 | 4,827 | 0 | implicit | 25,016 | 81% |
| | 68-76.5 | 2,233 | 2,233 | 0 | implicit | 8,811 | 75% |
| Low Flow | 76.5-85 | 935 | 935 | 0 | implicit | 3,094 | 70% |
| | | Ban | kston Fork Se | egment ATGC | -11 | 1 | |
| Zone | Flow Exceedence Range (%) | LC ¹ (Ibs/day) | LA ¹ (Ibs/day) | WLA (Ibs/day) | MOS | Actual Load ² (Ibs/day) | Percent Reduction Needed (%) |
| High | 0-8.5 | 143,420 | 143,420 | 0 | implicit | - | - |
| | 8.5-17 | 29,196 | 29,196 | 0 | implicit | 100,464 | 71% |
| Moist | 17-25.5 | 13,737 | 13,737 | 0 | implicit | - | - |
| | 25.5-34 | 7,897 | 7,897 | 0 | implicit | - | - |
| Mid-Range | 34-42.5 | 4,720 | 4,720 | 0 | implicit | 20,772 | 77% |
| Mid Range | 42.5-51 | 2,658 | 2,658 | 0 | implicit | - | - |
| | 51-59.5 | 1,198 | 1,198 | 0 | implicit | - | - |
| Dry | 59.5-68 | 597 | 597 | 0 | implicit | 203 | 0% |
| | 68-76.5 | 254 | 254 | 0 | implicit | - | - |
| Low Flow | 76.5-85 | 82 | 82 | 0 | implicit | 455 | 82% |
| | 1010 00 | | - | gment ATGH- | | | 0270 |
| High | 0-8.5 | 309,308 | 308,041 | 1268 | implicit | - | - |
| 0 | 8.5-17 | 63,219 | 61,951 | 1268 | implicit | 81,145 | 22% |
| Moist | 17-25.5 | 29,913 | 28,645 | 1268 | implicit | - | - |
| | 25.5-34 | 17,331 | 16,063 | 1268 | implicit | - | - |
| Mid-Range | 34-42.5 | 10,485 | 9,217 | 1268 | implicit | 19,865 | 47% |
| | 42.5-51 | 6,044 | 4,777 | 1268 | implicit | - | - |
| _ | 51-59.5 | 2,899 | 1,631 | 1268 | implicit | - | - |
| Dry | 59.5-68 | 1,604 | 336 | 1268 | implicit | 6,727 | 76% |
| | 68-76.5 | 863 | 0 | 863 | implicit | - | - |
| Low Flow | 76.5-85 | 493 | 0 | 493 | implicit | 682 | 28% |
| | | Bru | shy Creek Se | gment ATGH- | | • | |
| | Flow Exceedence | LC ¹ | LA ¹ | WLA | | Actual Load ² | Percent Reduction Needed |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | MOS | (lbs/day) | (%) |
| High | 0-8.5 | 235,878 | 234,610 | 1,268 | implicit | - | (78) |
| i ligit | 8.5-17 | 48,270 | 47,002 | 1,268 | implicit | 41,609 | - 0% |
| Moist | 17-25.5 | 22,880 | 21,612 | 1,268 | implicit | - | - |
| worst | 25.5-34 | 13,288 | 12,020 | 1,268 | implicit | 19,118 | 30% |
| Mid-Range | 34-42.5 | 8,069 | 6,801 | 1,268 | implicit | | |
| ivilu-ixaliye | 42.5-51 | 4,683 | 3,415 | 1,268 | implicit | - | - |
| | 42.5-51 51-59.5 | 2,285 | 1.017 | 1,268 | implicit | - | - |
| Dry | 59.5-68 | 1,298 | 30 | | | 480 | - 0% |
| | | | | 1,268 | implicit | 460 | - 0% |
| | 68-76.5 76 5 85 | 734 | 0 | 734 | implicit | | |
| Low Flow | 76.5-85 | 451 | ÷ | 451 Julated water d | implicit | 853 | 47% |

Table 8-8 Total Sulfate TMDLs for the Middle Fork Saline River Watershed

Allowable loads calculated based on the minimum calculated water quality standard of 500 mg/L

² Actual Load was calculated using the 90th percentile of observed total sulfate concentrations in a given flow range (EPA 2007)

8.3.4 Copper, Nickel, and Zinc TMDLs

Harco Branch segment ATGM-01 in the Middle Fork Saline River Watershed is also listed for impairment caused by copper, nickel, and zinc. Load duration curves were developed (see Section 7) to determine load reductions needed to meet the instream water quality standards at varying flow scenarios.

8.3.4.1 Loading Capacities

The LC is the maximum amount of a constituent that an impaired segment can receive and still maintain compliance with the water quality standard. In order to determine the loading capacity of each constituent at various flow conditions, a range of flows were multiplied by the water quality standard. The water quality standards copper, nickel, and zinc are dependent on total hardness. Therefore, the minimum reported hardness in the watershed of 100 mg/L was used for calculation of the standard and development of the load duration curves for each parameter. Table 8-9 contains the loading capacities for copper, nickel, and zinc based on a total hardness of 100 mg/L.

| Estimated Mean Daily Flow (cfs) | | | Zinc Load Capacity (Ibs/day) |
|------------------------------------|------|-------|------------------------------------|
| 1 | 0.1 | 0.4 | 0.6 |
| 5 | 0.5 | 2.2 | 3.2 |
| 10 | 0.9 | 4.4 | 6.4 |
| 25 | 2.3 | 11.1 | 16.1 |
| 50 | 4.6 | 22.2 | 32.2 |
| 100 | 9.2 | 44.4 | 64.4 |
| 500 | 45.9 | 222.2 | 322.2 |
| 1,000 | 91.8 | 444.3 | 644.5 |

Table 8-9 Copper, Nickel, and Zinc Loading Capacities for Harco Branch Based on Minimum Reported Hardness in the Watershed

8.3.4.2 Seasonal Variations

Consideration to seasonality is inherent in the load duration analysis described above. The standards for copper, nickel, or zinc apply year-round and the full range of expected flows is represented in the loading capacity table (Table 8-9). Therefore, the loading capacity represents conditions throughout the year. Load duration curve development and analysis (Section 7) showed that violations for copper, nickel, and zinc segment ATGM-01 are most likely to occur under mid-range to moist conditions. By considering and addressing all flow scenarios, these critical conditions when the stream segments are most vulnerable to water quality exceedences were addressed.

8.3.4.3 Margins of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions) or explicit (expressed in the TMDL as a portion of the loadings) or a combination of both. The TMDLs developed for copper, nickel, and zinc for Harco Branch segment ATGM-01 contain implicit MOSs because of conservative assumptions made in the development of the TMDL. The TMDL calculations were made using the minimum reported total hardness value for the watershed as a variable in the acute water quality standard calculations. The water quality criteria increases

with total hardness and therefore, using the minimum reported total hardness results in an underestimation of the loading capacity of the segment.

8.3.4.4 Waste Load Allocations

There are no facilities within the watershed that discharge to Harco Branch. Because of this, WLAs were not calculated and were set to zero.

8.3.4.5 Load Allocations and TMDL Summaries

Table 8-10 shows the summary of the copper, nickel, and zinc TMDLs for Harco Branch segment ATGM-01 along with the percent reductions required at various flow levels. The flow regime zones were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

| Copper TMDL for Harco Branch Segment ATGM-01 | | | | | | | | |
|----------------------------------------------|------------|-----------|-------------|------------|-----------|-------------------|-----------|--|
| | | LC | LA | WLA | | | Percent | |
| | Flow | | | | | Actual | Reduction | |
| | Exceedence | | | | | Load ¹ | Needed | |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | MOS | (lbs/day) | (%) | |
| High | 0-8.5 | 1.944 | 1.944 | 0 | implicit | - | - | |
| | 8.5-17 | 0.396 | 0.396 | 0 | implicit | - | - | |
| | 17-25.5 | 0.186 | 0.186 | 0 | implicit | 0.598 | 69% | |
| Moist | 25.5-34 | 0.107 | 0.107 | 0 | implicit | 1.084 | 90% | |
| Mid- | | | | | | | | |
| Range | 34-42.5 | 0.064 | 0.064 | 0 | implicit | 0.533 | 88% | |
| | 42.5-51 | 0.036 | 0.036 | 0 | implicit | - | - | |
| | 51-59.5 | 0.016 | 0.016 | 0 | implicit | - | - | |
| | 59.5-68 | 0.008 | 0.008 | 0 | implicit | 0.001 | 0% | |
| Dry | 68-76.5 | 0.003 | 0.003 | 0 | implicit | - | - | |
| Low | | | | | | | | |
| Flow | 76.5-85 | 0.001 | 0.001 | 0 | implicit | 0.0003 | 0% | |
| | Nic | | or Harco Br | anch Segme | ent ATGM- | 01 | | |
| | | LC | LA | WLA | | | Percent | |
| | Flow | | | | | Actual | Reduction | |
| | Exceedence | | | | | Load ¹ | Needed | |
| Zone | Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | MOS | (lbs/day) | (%) | |
| High | 0-8.5 | 9.413 | 9.413 | 0 | implicit | - | - | |
| | 8.5-17 | 1.916 | 1.916 | 0 | implicit | - | - | |
| | 17-25.5 | 0.902 | 0.902 | 0 | implicit | 5.33 | 83% | |
| Moist | 25.5-34 | 0.518 | 0.518 | 0 | implicit | 2.64 | 80% | |
| Mid- | | | | | | | | |
| Range | 34-42.5 | 0.31 | 0.31 | 0 | implicit | 1.23 | 75% | |
| | 42.5-51 | 0.174 | 0.174 | 0 | implicit | - | - | |
| | 51-59.5 | 0.079 | 0.079 | 0 | implicit | - | - | |
| | 59.5-68 | 0.039 | 0.039 | 0 | implicit | 0.002 | 0% | |
| Dry | 68-76.5 | 0.017 | 0.017 | 0 | implicit | - | - | |
| 1.000 | | | | | | | | |
| Low | | | | | | | | |

 Table 8-10 Dissolved Copper, Nickel, and Zinc TMDLs for Harco Branch Segment ATGM-01

| Zinc TMDL for Harco Branch Segment ATGM-01 | | | | | | | | | |
|--------------------------------------------|---------------------------------|-----------|-----------|-----------|----------|------------------------------------------|----------------------------|--|--|
| | - | LC | LA | WLA | | | Percent | | |
| Zone | Flow Exceedence Range (%) | (lbs/day) | (lbs/day) | (lbs/day) | MOS | Actual Load ¹ (Ibs/day) | Reduction Needed (%) | | |
| High | 0-8.5 | 13.654 | 13.654 | 0 | implicit | - | - | | |
| | 8.5-17 | 2.78 | 2.78 | 0 | implicit | - | - | | |
| | 17-25.5 | 1.308 | 1.308 | 0 | implicit | 93.64 | 99% | | |
| Moist | 25.5-34 | 0.752 | 0.752 | 0 | implicit | 49.46 | 98% | | |
| Mid- | | | | | | | | | |
| Range | 34-42.5 | 0.449 | 0.449 | 0 | implicit | 20.75 | 98% | | |
| | 42.5-51 | 0.253 | 0.253 | 0 | implicit | - | - | | |
| | 51-59.5 | 0.114 | 0.114 | 0 | implicit | - | - | | |
| | 59.5-68 | 0.057 | 0.057 | 0 | implicit | 0.004 | 0% | | |
| Dry | 68-76.5 | 0.024 | 0.024 | 0 | implicit | - | - | | |
| Low | | | | | | | | | |
| Flow | 76.5-85 | 0.008 | 0.008 | 0 | implicit | 0.0002 | 0% | | |

¹ Actual Load was calculated using the 90th percentile of observed concentrations in a given flow range (EPA 2007)

² Allowable loads calculated using minimum reported hardness in watershed (100mg/L)

8.3.5 Fecal Coliform TMDL

Bankston Fork segment ATGC-01 in the Middle Fork Saline River watershed is also listed for impairment caused by fecal coliform. A load duration curve was developed (see Section 7) to determine load reductions needed to meet the instream water quality standards at varying flow scenarios.

8.3.5.1 Loading Capacity

The LC is the maximum amount of fecal coliform that Bankston Fork segment ATGC-01 can receive and still maintain compliance with the water quality standards. The allowable fecal coliform loads that can be generated in the watershed and still maintain the geometric mean standard of 200 cfu/100mL were determined with the methodology

| Table 8-11 Fecal Coliform Loading Capacity |
|--------------------------------------------|
| for Bankston Fork Segment ATGC-01 |

| Estimated Mean Daily Flow (cfs) | Load Capacity (mil col/day) | | | | | | |
|------------------------------------|--------------------------------|--|--|--|--|--|--|
| 5 | 24,466 | | | | | | |
| 10 | 48,932 | | | | | | |
| 50 | 244,663 | | | | | | |
| 100 | 489,332 | | | | | | |
| 500 | 2,446,689 | | | | | | |
| 1,000 | 4,893,434 | | | | | | |
| 5,000 | 24,467,455 | | | | | | |
| 10,000 | 48,935,475 | | | | | | |
| 15,000 | 73,404,063 | | | | | | |

discussed in Section 7. The fecal coliform loading capacity according to flow is presented in Table 8-11.

8.3.5.2 Seasonal Variation

Consideration of seasonality is inherent in the load duration analysis. Because the load duration analysis represents the range of expected stream flows, the TMDL has been calculated to meet the standard during all flow conditions. In addition, seasonality is addressed because the TMDL has been calculated to address loading only when the seasonal standard is applicable (May through October).

For this TMDL, the critical period for fecal coliform is the primary contact recreation season which is May through October each year. There is no one critical condition during the recreation season. The fecal coliform standard must be met under all flow scenarios and standard exceedances have occurred during the majority of flow scenarios. By using the load duration curve method, all of these "critical conditions" are accounted for in the loading allocations.

8.3.5.3 Margin of Safety

The MOS can be implicit (incorporated into the TMDL analysis through conservative assumptions) or explicit (expressed in the TMDL as a portion of the loadings) or a combination of both. The MOS for the ATGC-01 TMDL is implicit as the analysis used the more conservative 200 cfu/100mL standard and did not consider die-off of bacteria which is likely occurring in the system but unquantified.

8.3.5.4 Waste Load Allocation

There are no facilities within the watershed that discharge to segment ATGC-01 of Bankston Fork. Because of this, WLAs were not calculated and were set to zero.

8.3.5.5 Load Allocation and TMDL Summary

Table 8-12 shows a summary of the TMDL for Bankston Fork segment ATGC-01. The flow regime zones were shifted from the typical 25th, 50th, and 75th percentile brackets to represent only periods of the year with measurable flow.

| Zone | Flow Exceedence Range (%) | LC (Ibs/day) | LA (Ibs/day) | WLA (Ibs/day) | MOS | Actual Load ¹ (Ibs/day) | Percent Reduction Needed (%) |
|-----------|---------------------------------|-----------------|-----------------|------------------|----------|------------------------------------------|------------------------------------|
| High | 0-7.5 | 883,694 | 883,694 | 0 | implicit | 15,940,920 | 94% |
| | 7.5-15 | 141,830 | 141,830 | 0 | implicit | 618,236 | 77% |
| Moist | 15-22.5 | 60,578 | 60,578 | 0 | implicit | 6,881,269 | 99% |
| | 22.5-30 | 31,139 | 31,139 | 0 | implicit | 113,695 | 73% |
| Mid-Range | 30-37.5 | 18,186 | 18,186 | 0 | implicit | 63,310 | 71% |
| | 37.5-45 | 11,474 | 11,474 | 0 | implicit | 34,163 | 66% |
| Dry | 45-52.5 | 7,470 | 7,470 | 0 | implicit | 2,214 | 0% |
| | 52.5-60 | 4,644 | 4,644 | 0 | implicit | 12,536 | 63% |
| | 60-67.5 | 2,878 | 2,878 | 0 | implicit | 5,583 | 48% |
| Low Flow | 67.5-77 | 1,700 | 1,700 | 0 | implicit | 353 | 0% |

Table 8-12 Fecal Coliform TMDL for Bankston Fork segment ATGC-01

¹ Actual Load was calculated using the 90th percentile of observed fecal coliform concentrations in a given flow range (EPA 2007)

8.3.6 Total Phosphorus TMDL for Harrisburg Reservoir 8.3.6.1 Loading Capacity

The LC of Harrisburg Reservoir is the pounds of total phosphorus that can be allowed as input to the lake per day and still meet the water quality standard of 0.05 mg/L total phosphorus. The allowable phosphorus loads that can be generated in the watershed and still maintain water quality standards were determined with the BATHTUB model that was set up and confirmed as discussed in Section 7. To accomplish this, the loads calculated using average values from the historic data were reduced by a percentage and entered into the BATHTUB models until the water quality standard of 0.05 mg/L

total phosphorus was met in Harrisburg Reservoir. The allowable phosphorus load determined by reducing modeled inputs to Harrisburg Reservoir through BATHTUB is 2.66 lbs/day.

8.3.6.2 Seasonal Variation

A season is represented by changes in weather; for example, a season can be classified as warm or cold as well as wet or dry. Seasonal variation is represented in the Harrisburg Reservoir TMDL as conditions were modeled on an annual basis. Modeling on an annual basis takes into account the seasonal effects the lake will undergo during a given year. Since the pollutant source can be expected to contribute loadings in different quantities during different time periods (e.g., various portions of the agricultural season resulting in different runoff characteristics), the loadings for this TMDL will focus on average annual loadings converted to daily loads rather than specifying different loadings by season. The Harrisburg Reservoir Watershed would most likely experience critical conditions annually based on the growing season. Because an average annual basis was used for TMDL development, it is assumed that the critical condition is accounted for within the analysis.

8.3.6.3 Margin of Safety

The margin of safety (MOS) can be implicit (incorporated into the TMDL analysis through conservative assumptions) or explicit (expressed in the TMDL as a portion of the loadings) or a combination of both. The MOS for the Harrisburg Reservoir TMDL is implicit. The analysis completed for this waterbody was conservative because of the following:

- In the absence of site-specific data, an atmospheric loading rate of 30 mg/m²-yr total phosphorus (USACE 1999) was taken from literature values and used in the BATHTUB model. This is a conservative value because atmospheric loadings of phosphorus are attributed to erosion that becomes wind borne and because of the low amount of agricultural practices in the surrounding area, the atmospheric loading is most likely negligible. This conservative value likely overestimates loading resulting in a conservatively high percentage reduction needed to meet the TMDL endpoints.
- Default values were used in the BATHTUB model, which in absence of site-specific information are conservative. Default model values, such as the phosphorus assimilation rate, are based on scientific data accumulated from a large survey of lakes. Because no site-specific data are available, default model rates are used which are based on error analysis calculations. The model used for this analysis uses estimates of second-order sedimentation coefficients which are generally accurate to within a factor of 2 for phosphorus and a factor of 3 for nitrogen. This provides a conservation range of where the predictions could fall and provides confidence in the predicted values.

8.3.6.4 Waste Load Allocation

There are no point sources within the Harrisburg Reservoir watershed. Therefore, the WLA is set to zero for this TMDL.

8.3.6.5 Load Allocation and TMDL Summary

Table 8-13 shows a summary of the TMDL for Harrisburg Reservoir. A total reduction of 52 percent of total phosphorus loads to Harrisburg Reservoir would result in compliance with the water quality standard of 0.05 mg/L total phosphorus.

| Load Source | LC (lb/day) | WLA (lb/day) | LA (lb/day) | MOS (lb/day) | Current Load (Ib/day) | Reduction Needed (Ib/day) | Reduction Needed (percent) |
|-------------|----------------|-----------------|----------------|-----------------|-----------------------------|---------------------------------|----------------------------------|
| Total | 2.66 | 0 | 2.66 | Implicit | 5.54 | 2.88 | 52% |
| Internal | 0.00 | 0 | 0.00 | Implicit | 0.00 | 0.00 | 0% |
| External | 2.66 | 0 | 2.66 | implicit | 5.54 | 2.88 | 52% |

Table 8-13 TMDL Summary for Harrisburg Reservoir

Section 9 Implementation Plan for the Middle Fork Saline River Watershed

9.1 Adaptive Management

An adaptive management or phased approach is recommended for the TMDLs developed for the Middle Fork Saline River watershed due to the limited amount of data available for the TMDL analysis. Adaptive management is a systematic process for continually improving management policies and practices through learning from the outcomes of operational programs. Some of the differentiating characteristics of adaptive management are:

- Acknowledgement of uncertainty about what policy or practice is "best" for the particular management issue
- Thoughtful selection of the policies or practices to be applied (the assessment and design stages of the cycle)
- Careful implementation of a plan of action designed to reveal the critical knowledge that is currently lacking
- Monitoring of key response indicators
- Analysis of the management outcomes in consideration of the original objectives and incorporation of the results into future decisions (British Columbia Ministry of Forests 2000)

Implementation actions, point source controls, management measures, or BMPs are used to control the generation or distribution of pollutants. BMPs are either structural, such as wetlands, sediment basins, fencing, or filter strips; or managerial, such as conservation tillage, nutrient management plans, or crop rotation. Both types require good management to be effective in reducing pollutant loading to water resources (Osmond et al. 1995).

It is generally more effective to install a combination of point source controls and BMPs or a BMP system. A BMP system is a combination of two or more individual BMPs that are used to control a pollutant from the same critical source. In other words, if the watershed has more than one identified pollutant, but the transport mechanism is the same, then a BMP system that establishes controls for the transport mechanism can be employed (Osmond et al. 1995).

To assist in adaptive management, implementation actions, management measures, available assistance programs, and recommended continued monitoring are all discussed throughout the remainder of this section.

9.2 Implementation Actions and Management Measures for Metals, pH, and Sulfates in the Middle Fork Saline River Watershed

Violations of the water quality standards for manganese have been documented on segments ATGC-01, ATGC-02, ATGC-11, ATGH-09, and ATGM-01 in the Middle Fork Saline River watershed. Segments ATGC-01, ATGC-02, ATGH-10, and ATGM-01 have had violations for silver recorded since 1990. Violations of the sulfate standards have been reported on all 6 impaired stream segments in the watershed. In addition, segment ATGM-01 has had violations of the water quality standards for copper, nickel, zinc, and pH. The most likely sources of these contaminants are runoff from historic mining operations in the watershed as well as natural sources including overland runoff, soil erosion, and groundwater.

There are a number of active and historic mining operations in the Middle Fork Saline River watershed that may contribute to the loads of these contaminants to the impaired stream segments. Impacts from abandoned mine lands, acid mine drainages, surface mining, and mine tailings have all been identified in the 303(d) list as potential sources of sulfates, metals, and pH violations in the watershed. Implementation actions and management measures available to address the water quality issues associated with these sources of contaminants in each of the impaired stream segments in the Middle Fork Saline River watershed are discussed below.

9.2.1 Point Sources of Metals, pH, and Sulfates 9.2.1.1 Permitted Mining Outfalls

There are two permitted facilities in the Middle Fork Saline River watershed. The Delta Mine Holding Company (NPDES Permit No. IL006402) is a reclaimed surface coal mine site that is permitted to discharge stormwater from multiple outfalls to Bankston Fork and Brushy Creek. The permit requires monitoring for pH and settlable solids only and has no flow information. Additionally, Western Fuels-Illinois, Inc operates the Liberty under NPDES Permit No. IL0059749. The facility is currently in the process of permit renewal for acid mine drainage from outfalls 002 and 005. These outfalls discharge to Brushy Creek ATGH-04 which is upstream of segments ATGH-10 and ATGH-09. It should be noted that segment ATGH-04 is not listed for impairment on the 303(d) list.

Table 9-1 contains permit information for these facilities. The Liberty Mine permit is currently in the process of renewal and Table 9-1 contains information to reflect this.

| | | Permit | Daily Average | Manganese (mg/L) Dailv | Sulfate (mg/L) Daily |
|-------------------------|----------|-----------|------------------|------------------------------|----------------------------|
| Facility Name | Outfall | Number | Flow (mgd) | Maximum | Maximum |
| Liberty Mine - previous | 002.005. | | | | |
| permit | 009 | IL0059749 | n/a | 4 | 3500 |
| Liberty Mine - 2010 | 002.005. | | 0.002, 0.074, | | |
| renewal | 009 | IL0059749 | 0* | 1 | 2000 |
| Delta Mining Company | ** | IL0060402 | 0 | - | - |

Table 9-1 Point Source Discharges in the Middle Fork Saline River Watershed

n/a = information not available

* 009 only is described in the permit as "emergency only"

** The Delta Mine has multiple stormwater outfalls. Receiving waters include Bankston Fork, Unnamed Tribs to Bankston Fork, and Brushy Creek

Illinois EPA will evaluate the need for point source controls through the NPDES permitting program as the permits are due for renewal. The City of Paris STP permit has limits for BOD_5 and ammonia-nitrogen. Both permits have conditions that state that the facilities will be considered in violation if it is determined that the permittee is not utilizing "good mining practices which are applicable in order to minimize the discharge of TDS, chloride, sulfate, iron and manganese". Mine effluent limitations are provided in Part 406 of the Illinois Administrative Code Section 406.202 states:

In addition to the other requirements of this Part, no mine discharge or non-point source mine discharge shall, alone or in combination with other sources, cause a violation of any water quality standards of 35 Ill. Adm. Code 302 or 303. When the Agency finds that a discharge which would comply with effluent standards contained in this Part would cause or is causing a violation of water quality standards, the Agency shall take appropriate action under Section 31 or 39 of the Environmental Protection Act to require the discharge to meet whatever effluent limits are necessary to ensure compliance with the water quality standards. When such a violation is caused by the cumulative effect of more than one source, several sources may be joined in an enforcement or variance proceeding and measures for necessary effluent reductions will be determined on the basis of technical feasibility, economic reasonableness and fairness to all discharges (IPCB 1999b).

These permit and their associated limits are thought to be adequately protective of aquatic life uses within the receiving waters.

9.2.2 Nonpoint Sources of Sulfates, pH, and Metals

A potential source of metals, sulfates, and pH in the Middle Fork Saline River watershed is abandoned mining operations. For this source, chemical treatment methods, passive treatment methods, and mine reclamation are potential implementation activities. Active chemical treatment typically involves the addition of alkaline chemicals, such as calcium carbonate, sodium hydroxide, sodium bicarbonate, and anhydrous ammonia to acid mine drainage. These chemicals raise the pH to acceptable levels and decrease the solubility of dissolved metals. Metal precipitates form and settle out of the solution. Active chemical treatment is not likely to be a viable option for the Middle Fork Saline River watershed because the chemicals are expensive, and the treatment system requires additional costs associated with operation and maintenance, as well as the disposal of metal-laden sludge.

Reclamation of abandoned mines is another method of controlling pollutants. Reclamation of abandoned mine land involves clearing site vegetation, removing contaminated topsoil and coal, and restoring functionality of the site for recreational, agricultural, or wildlife habitat purposes. The environmental benefits realized from abandoned mine reclamation projects are numerous and significant, including restoring land for future use and improving water quality. Restoration of the land can result in increased and enhanced pasture land, recreational areas, or wildlife habitat (Pennsylvania Department of Environmental Protection [PDEP] 2002). However, reclamation projects tend to be costly and resource intensive and may not be appropriate for all abandoned mine sites in Middle Fork Saline River watershed.

Passive methods could be utilized until full reclamation of a mine occurs. Chemical addition and energy consuming treatment processes are virtually eliminated with passive treatment systems. The operation and maintenance requirements of passive systems are considerably less than active treatment systems (PDEP 2002). Therefore, passive treatment systems may be the best solution for controlling metals, sulfates, and pH originating from mining operations in the Middle Fork Saline River watershed.

Following are examples of the passive treatment technologies:

- Aerobic wetland
- Compost or anaerobic wetland
- Open limestone channels
- Diversion wells
- Anoxic limestone drains
- Vertical flow reactors
- Pyrolusite process

Additional sources of some metals contamination may be from high background levels of the metals in the soils of the watershed. As such, nonpoint source controls that are designed to reduce erosion may provide a secondary benefit of reducing any contaminants that may be attached to the soil.

Following are examples of potentially applicable erosion control measures:

- Filter Strips
- Sediment Control Basins
- Streambank Stabilization/Erosion Control

The remainder of this section discusses these technologies and management options.

9.2.2.1 Aerobic Wetland

An aerobic wetland consists of a large surface area pond with horizontal surface flow. The pond may be planted with cattails and other wetland species. Aerobic wetlands can only effectively treat water that is net alkaline (pH greater than 7). In aerobic wetland systems, metals are precipitated through oxidation reactions to form oxides and hydroxides. A typical aerobic wetland will have a water depth of 6 to 18 inches (PDEP 2002).

9.2.2.2 Compost or Anaerobic Wetland

Compost wetlands, or anaerobic wetlands as they are sometimes called, consist of a large pond with a lower layer of organic substrate. The flow is horizontal within the substrate layer of the basin. Piling the compost a little higher than the free water surface can encourage the flow within the substrate. Typically, the compost layer consists of spent mushroom compost that contains about 10 percent calcium carbonate. Other compost materials include peat moss, wood chips, sawdust, or hay. A typical compost wetland will have 12 to 24 inches of organic substrate and be planted with cattails or other emergent vegetation (PDEP 2002).

9.2.2.3 Open Limestone Channels

Open limestone channels may be the simplest passive treatment method available. Open limestone channels are constructed in two ways. In the first method, a drainage ditch constructed of limestone collects contaminated acid mine drainage water. The other method consists of placing limestone fragments directly in a contaminated stream. Dissolution of the limestone adds alkalinity to the water and raises the pH. This treatment requires large quantities of limestone for long-term success (PDEP 2002).

9.2.2.4 Diversion Wells

Diversion wells are another simple way to increase the alkalinity of contaminated waters. Acidic water is conveyed by a pipe to a downstream "well," which contains crushed limestone aggregate. The hydraulic force of the pipe flow causes the limestone to turbulently mix and abrade into fine particles preventing armoring (PDEP 2002).

9.2.2.5 Anoxic Limestone Drains

An anoxic limestone drain is a buried bed of limestone constructed to intercept subsurface mine water flow and prevent contact with atmospheric oxygen. Keeping oxygen out of the water prevents oxidation of metals and armoring of the limestone. An anoxic limestone drain can be considered a pretreatment step to increase alkalinity and raise pH before the water enters a constructed aerobic wetland (PDEP 2002).

9.2.2.6 Vertical Flow Reactors

Vertical flow reactors were conceived as a way to overcome the alkalinity producing limitations of anoxic limestone drains and the large area requirements of compost wetlands. The vertical flow reactor consists of a treatment cell with an underdrained limestone base topped with a layer of organic substrate and standing water. The water flows vertically through the compost and limestone and is collected and discharged through a system of pipes. The vertical flow reactor increases alkalinity by limestone dissolution and bacterial sulfate reduction (PDEP 2002).

9.2.2.7 Pyrolusite Process

The pyrolusite process is a patented process, which utilizes site-specific cultured microbes to remove iron, manganese, and aluminum from acid mine drainage. The treatment process consists of a shallow bed of limestone aggregate inundated with acid mine drainage. After laboratory testing determines the proper combination, microorganisms are introduced to the limestone bed by inoculation ports located throughout the bed. The microorganisms grow on the surface of the limestone chips and oxidize the metal contaminants while etching away limestone, which in turn increases the alkalinity and raises the pH of water. This process has been used on several sites in western Pennsylvania with promising results (PDEP 2002).

9.2.2.8 Filter Strips

Filter strips can be used as a control to reduce pollutant loads from runoff and sedimentation to impaired stream segments in the Middle Fork Saline River watershed. Filter strips implemented along stream segments slow and filter runoff and provide bank stabilization decreasing erosion and deposition. The following paragraphs focus on the implementation of filter strips in the watershed.

Filter strips may help control contaminant levels by removing loads associated with sediment from runoff; however, no studies were identified as providing an estimate of removal efficiency. Grass filter strips have been shown to remove as much as 75 percent of sediment and 45 percent of total phosphorus from runoff, so it is assumed that the removal of other contaminants such as metals and sulfates from runoff may fall within this range (NCSU 2000). Riparian vegetation also provides bank stability that further reduces sediment loading to the stream and therefore reduces the loading of silver and manganese found in soils.

Filter strip widths for the impaired stream segments TMDLs were estimated based on the land slope. According to the NRCS Planning and Design Manual, the majority of sediment is removed in the first 25 percent of the width (NRCS 1994). Table 9-2 outlines the guidance for filter strip flow length by slope (NRCS 1999).

| Percent Slope | 0.5% | 1.0% | 2.0% | 3.0% | 4.0% | 5.0% or greater |
|---------------|------|------|------|------|------|-----------------|
| Minimum | 36 | 54 | 72 | 90 | 108 | 117 |
| Maximum | 72 | 108 | 144 | 180 | 216 | 234 |

| Table 9-2 Filter St | rip Flow Leng | gths Based on | Land Slope |
|---------------------|---------------|---------------|------------|
| | | | |

GIS land use data described in Section 5 were used in conjunction with soil slope data to provide an estimate of acreage where filter strips could be installed. As discussed in Section 2.4.1 of this report, there is a wide diversity of soil types in the watershed with no single soil type accounting for more than 2% of the watershed. Because soil type

and corresponding slope values vary so widely across the watershed, maximum values associated with 5% or greater slopes were used for this analysis. Based on this slope value, filter strip widths of 234 feet could be incorporated into agricultural lands adjacent to the ditch and its tributaries.

Mapping software was then used to buffer impaired stream segments and their major tributaries to determine the total area found within 234 feet the stream channels. There are approximately 2,260 total acres within this buffer distance throughout the watershed. The land use data were then clipped to the buffer area to determine the amount of this land that is agricultural. There are an estimated 932 acres of agricultural land surrounding tributaries of the Middle Fork Saline River watershed where filter strips and riparian buffers could potentially be installed. The relative areas within the buffer distance for each impaired stream segment and its tributaries are provided in Table 9-3. Landowners should evaluate their land near the stream and its tributaries and install or extend filter strips according to the NRCS guidance provided in Table 9-1. Programs available to fund the construction of these buffer strips are discussed in Section 9.5.

| Stream Name | Segment ID | Area in 234 ft Buffer (Acres) | Agricultural Land In 234 ft Buffer (Acres) |
|---------------|------------|----------------------------------------|--------------------------------------------------|
| | ATGC-01 | 2260.5 | 932.2 |
| Bankston Fork | ATGC-02 | 1142.3 | 460.2 |
| | ATGC-11 | 483.9 | 243.3 |
| Brushy Crook | ATGH-09 | 869.4 | 346.0 |
| Brushy Creek | ATGH-10 | 605.1 | 119.2 |
| Harco Branch | ATGM-01 | 178.7 | 90.2 |

| Table 9-3 Total Area and Area of Agricultural Land Within |
|-----------------------------------------------------------|
| 234-feet Buffer by Segment |

9.2.2.9 Sediment Control Basins

Sediment control basins are designed to trap sediments (and the pollutants bound to the sediment) prior to reaching a receiving water. Sediment control basins are typically earthen embankments that act similarly to a terrace. The basin traps water and sediment running off cropland upslope from the structure, and reduces gully erosion by controlling flow within the drainage area. The basin then releases water slowly, which also helps to decrease streambank erosion in the receiving water.

Sediment control basins are usually designed to drain an area of 30 acres or less and should be large enough to control runoff form a 10-year, 24-hour storm. Locations are determined based on slopes, tillage and crop management, and local NRCS can often provide information and advice for design and installation. Maintenance includes reseeding and fertilizing the basins in order to maintain vegetation and periodic checking, especially after large storms to determine the need for embankment repairs or excess sediment removal.

9.2.2.10 Streambank Stabilization/Erosion Control

Soil erosion is the process of moving soil particles or sediment by flowing water or wind. Eroding soil transports pollutants, such as manganese, that can potentially degrade water quality.

Following are three available approaches to stabilizing eroding banks that could, in turn, decrease nonpoint source manganese and silver loads:

- Stone Toe Protection (STP)
- Rock Riffle Grade Control (RR)
- Floodplain Excavation

Stone Toe Protection uses non-erodible materials to protect the eroding banks. Meandering bends found in the ATGC-01 watershed could possibly be stabilized by placing the hard armor only on the toe of the bank. STP is most commonly implemented "using stone quarry stone that is sized to resist movement and is placed on the lower one third of the bank in a windrow fashion" (STREAMS 2005).

Naturally stable stream systems typically have an alternating riffle-pool sequence that helps to dissipate stream energy. Rock Riffle Grade Control places loose rock grade control structures at locations where natural riffles would occur to create and enhance the riffle-pool flow sequence of stable streams. By installing RR in an incised channel, the riffles will raise the water surface elevation resulting in lower effective bank heights, which increases the bank stability by reducing the tractive force on the banks (STREAMS 2005).

Rather than raising the water level, Floodplain Excavation lowers the floodplain to create a more stable stream. Floodplain Excavation uses mechanical means to restore the floodplain by excavating and utilizing the soil that would eventually be eroded away and deposited in the stream (STREAMS 2005).

The extent of streambank erosion in the Middle Fork Saline River watershed is unknown. It is recommended that further investigation be performed to determine the extent that erosion control measures could help manage nonpoint source manganese and silver loads to the creek.

9.3 Implementation Actions and Management Measures for Fecal Coliform in Bankston Fork Segment ATGC-01

The TMDL analysis performed for fecal coliform in ATGC-01 showed that although exceedences were reported over the full range of flow conditions, the majority of the samples collected that exceeded the standard were collected during higher flow conditions. This indicates the majority of the exceedances have occurred as a result of stormwater runoff and resuspension of instream fecal material.

9.3.1 Point Sources of Fecal Coliform

9.3.1.1 Stormwater Sources

A portion of the Bankston Fork segment ATGC-01 watershed is urban in nature (approximately 6% of the watershed area). However, none of the municipalities within the ATGC-01 watershed are required to have stormwater permits. Therefore, little information is available regarding stormwater runoff in the watershed. It is recommended that a storm sewer survey be performed to determine the amount of fecal coliform that may be contributed to the stream via urban stormwater sources.

9.3.1.2 Permitted Mining Operations

The permitted mining facilities in the Middle Fork Saline River watershed were discussed in Section 9.2.1.1. The facilities associated with these NPDES permits are significantly upstream of the impaired segment and are not expected to be a significant source of fecal coliform loads to the stream segment.

9.3.2 Nonpoint Sources of Fecal Coliform

Several management options have been identified to help reduce fecal coliform counts in Bankston Fork segment ATGC-01. These management options focus on the most likely sources of fecal coliform within the basin, such as agricultural runoff, septic systems, and livestock. The alternatives that were identified are:

- Filter Strips
- Private Septic System Inspection and Maintenance Program
- Restrict Livestock Access to Harding Ditch and Tributaries

Each alternative is discussed briefly in this section.

9.3.2.1 Filter Strips

Filter strips were discussed in Section 9.2.2.8 for control of sulfates and metals loadings into impaired waterbodies. Filter strips will have a similar impact in reducing loads of fecal coliform from overland runoff in the watershed. Therefore the same technique for evaluating available land can be applied to fecal coliform controls. As described in Section 9.2.2.8, there are approximately 2,260 acres of land within 234 feet of ATGC-01 and its major tributaries, of this area, approximately 932 acres are categorized as agricultural and could potentially be converted into filter.

9.3.2.2 Private Septic System Inspection and Maintenance Program

As previously discussed in Section 5 a relatively small number of septic systems are likely to exist in the ATGC-01 watershed associated with the rural residences in the area. Failing or leaking septic systems can be a significant source of fecal coliform pollution. A program that actively manages functioning systems and addresses non-functioning systems could be put in place. The USEPA has developed guidance for managing septic systems, which includes assessing the functionality of systems, public health, and environmental risks (EPA 2005). It also introduces procedures for selecting and implementing a management plan.

To reduce the excessive amounts of contaminants from a faulty septic system, a regular maintenance plan that includes regular pumping and maintenance of the septic system should be followed. The majority of failures originate from excessive suspended solids, nutrients, and BOD loading to the septic system. Reduction of solids to the tank can be achieved via limiting garbage disposals use and water conservation.

Septic system management activities can extend the life and maintain the efficiency of a septic system. Water conservation practices, such as limiting daily water use or using low flow toilets and faucets, are the most effective methods to maintain a properly functioning septic system. Additionally, the system should not be used for the disposal of solids, such as cigarette butts, cat litter, cotton swabs, coffee grinds, disposable diapers, etc. Finally, physical damage to the drainfield can be prevented by:

- Maintaining a vegetative cover over the drainfield to prevent erosion
- Avoiding construction over the system
- Protecting the area down slope of the system from excavation
- Landscape the area to divert surface flow away from the drainfield (Johnson 1998)

The cost of each management measure is site specific and there is not specific data on septic systems and management practices for the watershed; therefore, costs for these practices were not outlined in Section 9.5.

Alternatively, a long-range solution to failing septic systems is a connection to a municipal sanitary sewer system. Installation of a sanitary sewer would reduce existing fecal coliform sources by replacing failing septic systems and will allow communities to develop without further contribution of fecal material to Bankston Fork. Costs for the installation are generally paid over a period of several years (average of 20 years) instead of forcing homeowners to shoulder the entire cost of installing a new septic system. In addition, costs are sometimes shared between the community and the utility responsible for treating the wastewater generated from replacing the septic tanks. The planning process is involved and requires participation from townships, cities, counties, and citizens.

9.3.2.3 Restrict Livestock Access to Bankston Fork and Tributaries

As discussed in Section 5, livestock are present in the ATGC-01 watershed. Saline County NRCS reported a few small cattle operations and a few chicken and hog CAFOs, but no definite numbers of operations were available. It is unknown to what extent these animals have access to the Bankston Fork or its tributaries. Reduction of livestock access to streams, however, is recommended to reduce bacteria loads. The USEPA found that livestock exclusion from waterways and other grazing management measures were successful in reducing fecal coliform counts by 29 to 46 percent (2003). Fencing and alternate watering systems are effective ways to restrict livestock from streams.

9.4 Implementation Actions and Management Measures for Phosphorus in Harrisburg Reservoir

Phosphorus loads in the Harrisburg Reservoir watershed originates from external sources. As discussed in previous sections, possible sources of total phosphorus in the Harrisburg Reservoir watershed include runoff from the surrounding watershed. To achieve a reduction of total phosphorus for this reservoir, management measures must address loading through sediment and surface runoff controls and internal nutrient cycling through in-lake management.

9.4.1 Point Sources of Phosphorus

Harrisburg Reservoir does not have any point source contributions and the associated WLA was therefore set to zero.

9.4.1.1 Urban Stormwater Sources

The 303(d) list identified urban runoff and storm sewers as potential pollutant sources of total phosphorus to Harrisburg Reservoir. Land use analysis indicates that there are approximately 65 acres of developed urban land in the watershed that may contribute urban runoff of phosphorus into the reservoir. In addition the town of Galatia, Illinois is located just west of the Harrisburg Reservoir watershed and may contribute urban runoff to the reservoir. There are no MS4 stormwater permits issued for Galatia or other nearby areas so quantification of urban runoff contributions is not possible. However, due to the limited amount of urban area in the watershed, the overall contribution from urban stormwater runoff is unlikely to be a major source of phosphorus into Harrisburg Reservoir.

9.4.2 Nonpoint Sources of Phosphorus

Potential sources of nonpoint source phosphorus pollution to Harrisburg Reservoir identified by the 303(d) list include crop production, forest/grassland/parkland runoff, Littoral/shore area modifications, and urban runoff.

BMPs available that could be utilized to treat these nonpoint sources in the watershed include:

- Conservation tillage practices
- Filter strips
- Wetlands
- Nutrient management

Total phosphorus originating from cropland is most efficiently treated with a combination of no-till or conservation tillage practices and grass filter strips. Wetlands located upstream of the reservoir could provide further reductions in total and dissolved phosphorus in runoff from croplands in the watershed. Nutrient management focuses on source control of nonpoint source contributions to the reservoir.

9.4.2.1 Conservation Tillage Practices

For the Harrisburg Reservoir watershed, conservation tillage practices could help reduce nutrient loads into the reservoir. The reservoir potentially receives nonpoint source runoff from the approximately 1,530 acres in the watershed which is under cultivation, which accounts for 38 percent of the total watershed area. Total phosphorus loading from cropland can be controlled through management BMPs, such as conservation tillage. Conservation tillage maintains at least 30 percent of the soil surface covered by residue after planting. Crop residuals or living vegetation cover on the soil surface protect against soil detachment from water and wind erosion. Conservation tillage practices can remove up to 45 percent of the dissolved and total phosphorus from runoff and approximately 75 percent of the sediment. Additionally, studies have found around 93 percent less erosion occurred from no-till acreage compared to acreage subject to moldboard plowing (USEPA 2003). The 2006 Illinois Department of Agriculture's Soil Transect Survey estimated that conventional till currently accounts for 45 percent of corn, 15 percent of soybean, and 0 percent of small grain tillage practices in Saline County. To achieve TMDL load allocations, tillage practices already in place should be continued, and practices should be assessed and improved upon for all agricultural areas in Harrisburg Reservoir watershed.

9.4.2.2 Filter Strips

Filter strips were discussed in Section 9.2.2.8. The same technique for evaluating available land was applied to the Harrisburg Reservoir watershed. In the Harrisburg Reservoir watershed there are 410 acres of land within 234 feet of the lake and its tributaries. Of this area, 187 acres are categorized as agricultural and could potentially be converted into filter strips.

9.4.2.3 Wetlands

The use of wetlands as a structural control is applicable to nutrient reduction from agricultural lands in the Harrisburg Reservoir watershed. To treat loads from agricultural runoff, a wetland could be constructed on the upstream end of the reservoir. Wetlands are an effective BMP for sediment and phosphorus control because they:

- Prevent floods by temporarily storing water, allowing the water to evaporate or percolate into the ground
- Improve water quality through natural pollution control such as plant nutrient uptake
- Filter sediment
- Slow overland flow of water thereby reducing soil erosion (USDA 1996)

A properly designed and functioning wetland can provide very efficient treatment of pollutants, such as phosphorus. Design of wetland systems is very important and should consider soils in the proposed location, hydraulic retention time, and space

requirements. Constructed wetlands, which comprise the second or third stage of nonpoint source treatment, can be effective at improving water quality. Studies have shown that artificial wetlands designed and constructed specifically to remove pollutants from surface water runoff have removal rates for suspended solids of greater than 90 percent, 0 to 90 percent for total phosphorus, 20 to 80 percent of orthophosphate, and 10 to75 percent for nitrogen species (Johnson, Evans, and Bass 1996; Moore 1993; USEPA 1993; Kovosic et al. 2000). Although the removal rate for phosphorus is low in long-term studies, the rate can be improved if sheet flow is maintained to the wetland and vegetation and substrate are monitored to ensure the wetland is operation optimally. Sediment or vegetation removal may be necessary if the wetland removal efficiency is lessened over time (USEPA 1993; NCSU 2000).

| Table 9-4 Acres of Wetland for |
|--------------------------------|
| Harrisburg Reservoir Watershed |

| Subbasin | Area (acres) | Recommended Wetlands (acres) |
|----------|-----------------|------------------------------------|
| RAI-1 | 212 | 1.3 |
| RAI-2 | 589 | 3.5 |
| RAI-3 | 3,226 | 19.4 |
| Total | 4,027 | 24.2 |

Guidelines for wetland design suggest a wetland to watershed ratio of 0.6 percent for nutrient and sediment removal from agricultural runoff. Table 9-4 outlines estimated wetland areas for each agricultural subbasin in the Harrisburg Reservoir watershed based on these recommendations. A wetland system to treat agricultural runoff from the three subbasins could be approximately 68 acres (Denison and Tilton 1993).

9.4.2.4 Nutrient Management

Nutrient management could result in reduced nutrient loads to Harrisburg Reservoir. Crop management of nitrogen and phosphorus originating in the agricultural portions of the watershed can be accomplished through Nutrient Management Plans, which focus on increasing the efficiency with which applied nutrients are used by crops, thereby reducing the amount available to be transported to both surface and groundwater. In the past, nutrient management focused on application rates designed to meet crop nitrogen requirements but avoid groundwater quality problems created by excess nitrogen leaching. This results in buildup of soil phosphorus above amounts sufficient for optimal crop yields. Illinois, along with most Midwestern states, demonstrates high soil test phosphorus in greater than 50 percent of soil samples analyzed (Sharpley et al. 1999).

The overall goal of phosphorus reduction from agriculture should increase the efficiency of phosphorus use by balancing phosphorus inputs in feed and fertilizer with outputs in crops and animal produce as well as managing the level of phosphorus in the soil. Reducing phosphorus loss in agricultural runoff may be brought about by source and transport control measures, such as filter strips or grassed waterways. The Nutrient Management Plans account for all inputs and outputs of phosphorus to determine reductions. Nutrient Management Plans include:

- Review of aerial photography and soil maps
- Regular soil testing

- Review of current and/or planned crop rotation practices
- Yield goals and associated nutrient application rates
- Nutrient budgets with planned rates, methods, timing and form of application
- Identification of sensitive areas and restrictions on application when land is snow covered, frozen or saturated

In Illinois, Nutrient Management Plans have successfully reduced phosphorus application to agricultural lands by 36-lb/acre. National reductions range from 11 to 106-lb/acre, with an average reduction of 35-lb/acre (USEPA 2003).

9.5 Reasonable Assurance

Reasonable assurance means that a demonstration is given that nonpoint source reductions in this watershed will be implemented. It should be noted that all programs discussed in this section are voluntary and some may currently be in practice in the watershed. The discussion in Sections 9.2 through 9.4 provided information on available BMPs for reducing phosphorus loads from point and nonpoint sources. The remainder of this section discusses an estimate of costs to the watershed for implementing nonpoint source management practices and programs available to assist with funding.

9.5.1 Available Programs for Nonpoint Source Management

There are several voluntary conservation programs established through the 2008 U.S. Farm Bill, which encourage landowners to implement resource-conserving practices for water quality and erosion control purposes. These programs would apply to crop fields and rural grasslands that are presently used as pasture land. Each program is discussed separately in the following paragraphs.

9.5.1.1 Illinois Department of Agriculture and Illinois EPA Nutrient Management Plan Project

The IDA and Illinois EPA are presently co-sponsoring a cropland Nutrient Management Plan project in watersheds that have or are developing a TMDL. This voluntary project supplies incentive payments to producers to have Nutrient Management Plans developed and implemented. Additionally, watersheds that have sediments or phosphorus identified as a cause for impairment (as is the case in this watershed), are eligible for cost-share assistance in implementing traditional erosion control practices through the Nutrient Management Plan project.

9.5.1.2 Conservation Reserve Program

This voluntary program encourages landowners to plant long-term resource-conserving cover to improve soils, water, and wildlife resources. The Conservation Reserve Program (CRP) is the USDA's single largest environmental improvement program and one of its most productive and cost-efficient. It is administered through the Farm Service Agency (FSA) by USDA's Commodity Credit Corporation (CCC). The

program was initially established in the Food & Security Act of 1985. The duration of the contracts under CRP range from 10 to 15 years.

Eligible land must be one of the following:

- 1. Cropland that is planted or considered planted to an agricultural commodity four of the six most recent crop years (including field margins) and must be physically and legally capable of being planted in a normal manner to an agricultural commodity.
- 2. Certain marginal pastureland enrolled in the Water Bank Program.

In addition to the eligible land requirements, cropland must meet one of the following criteria:

- Have a weighted average erosion index of 8 or higher;
- Be expiring CRP acreage; or
- Be located in a national or state CRP conservation priority area.

The CCC bases rental rates on the relative productivity of soils within each county and the average of the past three years of local dry land cash rent or cash-rent equivalent. The maximum rental rate is calculated in advance of enrollment. Producers may offer land at the maximum rate or at a lower rental rate to increase likelihood of offer acceptance. In addition, the CCC provides cost-share assistance for up to 50 percent of the participant's costs in establishing approved conservation practices (USDA 2006).

Finally, CCC offers additional financial incentives of up to 20 percent of the annual payment for certain continuous sign-up practices (USDA 2006). Continuous sign-up provides management flexibility to farmers and ranchers to implement certain high-priority conservation practices on eligible land. The land must be determined by NRCS to be eligible and suitable for any of the following practices:

- Riparian buffers
- Filter strips
- Grass waterways
- Shelter belts
- Field windbreaks
- Living snow fences
- Contour grass strips
- Salt tolerant vegetation
- Shallow water areas for wildlife
- Eligible acreage within an EPA-designated wellhead protection area (FSA 1997)

The current extent of land enrolled in CRP within the Middle Fork Saline River Watershed watershed is unknown.

9.5.1.3 Clean Water Act Section 319 Grants

Section 319 was added to the CWA to establish a national program to address nonpoint sources of water pollution. Through this program, each state is allocated Section 319 funds on an annual basis according to a national allocation formula based on the total annual appropriation for the section 319 grant program. The total award consists of two categories of funding: incremental funds and base funds. A state is eligible to receive EPA 319(b) grants upon USEPA's approval of the state's Nonpoint Source Assessment Report and Nonpoint Source Management Program. States may reallocate funds through subawards (e.g., contracts, subgrants) to both public and private entities, including local governments, tribal authorities, cities, counties, regional development centers, local school systems, colleges and universities, local nonprofit organizations, state agencies, federal agencies, watershed groups, for-profit groups, and individuals.

USEPA designates incremental funds, a \$100-million award, for the restoration of impaired water through the development and implementation of watershed-based plans and TMDLs for impaired waters. Base funds, funds other than incremental funds, are used to provide staffing and support to manage and implement the state Nonpoint Source Management Program. Section 319 funding can be used to implement activities which improve water quality, such as filter strips, streambank stabilization, etc. (USEPA 2003).

Illinois EPA receives federal funds through Section 319(h) of the CWA to help implement Illinois' Nonpoint Source (NPS) Pollution Management Program. The purpose of the program is to work cooperatively with local units of government and other organizations toward the mutual goal of protecting the quality of water in Illinois by controlling NPS pollution. The program emphasizes funding for implementing costeffective corrective and preventative BMPs on a watershed scale; funding is also available for BMPs on a non-watershed scale and the development of information/education NPS pollution control programs.

The Maximum Federal funding available is 60 percent, with the remaining 40 percent coming from local match. The program period is two years unless otherwise approved. This is a reimbursement program.

Section 319(h) funds are awarded for the purpose of implementing approved NPS management projects. The funding will be directed toward activities that result in the implementation of appropriate BMPs for the control of NPS pollution or to enhance the public's awareness of NPS pollution. Applications are accepted June 1 through August 1.

9.5.1.4 Wetlands Reserve Program

The Wetlands Reserve Program (WRP) is a voluntary program that provides technical and financial assistance to eligible landowners to restore, enhance, and protect wetlands. The goal of WRP is to achieve the greatest wetland functions and values, along with optimum wildlife habitat, on every acre enrolled in the program. This

program offers landowners an opportunity to establish long-term conservation and wildlife practices and protection.

The program offers three enrollment options:

- 1. *Permanent Easement* is a conservation easement in perpetuity. USDA pays 100 percent of the easement value and up to 100 percent of the restoration costs.
- 2. *30-Year Easement* is an easement that expires after 30 years. USDA pays up to 75 percent of the easement value and up to 75 percent of the restoration costs. For both permanent and 30-year easements, USDA pays all costs associated with recording the easement in the local land records office, including recording fees, charges for abstracts, survey and appraisal fees, and title insurance.
- 3. *Restoration Cost-Share Agreement* is an agreement to restore or enhance the wetland functions and values without placing an easement on the enrolled acres. USDA pays up to 75 percent of the restoration costs.

The total number of acres that can be enrolled in the program is 3,041,200 - an increase of 766,200 additional acres over the previous Farm Bill.

- Payments for easements valued at \$500,000 or more will be made in at least five annual payments.
- For restoration cost-share agreements, annual payments may not exceed \$50,000 per year.
- No easement shall be created on land that has changed ownership during the preceding 7 years.
- Eligible acres are limited to private and Tribal lands.

9.5.1.5 Environmental Quality Incentive Program

The Environmental Quality Incentive Program (EQIP) is a voluntary USDA conservation program for farmers and private landowners engaged in livestock or agricultural production who are faced with serious threats to soil, water, and related natural resources. Through EQIP, the NRCS develops contracts with agricultural producers to implement conservation practices to address environmental natural resource problems. Payments are made to producers once conservation practices are completed according to NRCS requirements.

Persons engaged in livestock or agricultural production and owners of non-industrial private forestland are eligible for the program. Eligible land includes cropland, rangeland, pastureland, private non-industrial forestland, and other farm or ranch lands. Persons interested in entering into a cost-share agreement with the USDA for EQIP assistance may file an application at any time.

NRCS works with the participant to develop the EQIP plan of operations. This plan becomes the basis of the EQIP contract between NRCS and the participant. NRCS provides conservation practice payments to landowners under these contracts that can be up to 10 years in duration.

The EQIP objective to optimize environmental benefits is achieved through a process that begins with National priorities that address: impaired water quality, conservation of ground and surface water resources improvement of air quality reduction of soil erosion and sedimentation, and improvement or creation of wildlife habitat for at-risk species. National priorities include: reductions of nonpoint source pollution, such as nutrients, sediment, pesticides, or excess salinity in impaired watersheds consistent with TMDLs where available as well as the reduction of groundwater contamination and reduction of point sources such as contamination from confined animal feeding operations; conservation of ground and surface water resources; reduction of emissions, such as particulate matter, nitrogen oxides (NOx), volatile organic compounds, and ozone precursors and depleters that contribute to air quality impairment violations of National Ambient Air Quality Standards reduction in soil erosion and sedimentation from unacceptable levels on agricultural land; and promotion of at-risk species habitat conservation.

EQIP provides payments up to 75 percent of the incurred costs and income foregone of certain conservation practices and activities. The overall payment limitation is \$300,000 per person or legal entity over a 6-year period. The Secretary of Agriculture may raise the limitation to \$450,000 for projects of special environmental significance. Payment limitations for organic production may not exceed an aggregate \$20,000 per year or \$80,000 during any 6-year period for installing conservation practices.

Conservation practices eligible for EQIP funding which are recommended BMPs for this watershed TMDL include field borders, filter strips, cover crops, grade stabilization structures, grass waterways, riparian buffers, streambank shoreline protection, terraces, and wetland restoration.

The selection of eligible conservation practices and the development of a ranking process to evaluate applications are the final steps in the optimization process. Applications will be ranked based on a number of factors, including the environmental benefits and cost effectiveness of the proposal. More information regarding State and local EQIP implementation can be found at www.nrcs.usda.gov/programs/eqip.

9.5.1.6 Wildlife Habitat Incentives Program

The Wildlife Habitat Incentive Plan (WHIP) is a voluntary program administered by NRCS which is designed to assist those who want to develop and improve wildlife habitat primarily on private lands and nonindustrial private forest land. It provides both technical assistance and cost share payments to help:

• Promote the restoration of declining or important native fish and wildlife species.

- Protect, restore, develop, or enhance fish and wildlife habitat to benefit at-risk species.
- Reduce the impacts of invasive species in fish and wildlife habitat.
- Protect, restore, develop, or enhance declining or impaired aquatic wildlife species habitat.

Participants who own or control land agree to prepare and implement a wildlife habitat development plan. The NRCS provides technical and financial assistance for the establishment of wildlife habitat development practices. In addition, if the landowner agrees, cooperating State wildlife agencies and nonprofit or private organizations may provide expertise or additional funding to help complete a project.

Participants work with the NRCS to prepare a wildlife habitat development plan in consultation with the local conservation district. The plan describes the participant's goals for improving wildlife habitat, includes a list of practices and a schedule for installing them, and details the steps necessary to maintain the habitat for the life of the agreement. This plan may or may not be part of a larger conservation plan that addresses other resource needs such as water quality and soil erosion.

The NRCS and the participant enter into a cost-share agreement for wildlife habitat development. This agreement generally lasts from 5 to 10 years from the date the agreement is signed for general applications and up to 15 years for essential habitat applications. Cost-share payments may be used to establish new practices or replace practices that fail for reasons beyond the participant's control.

WHIP has a continuous sign-up process. Applicants can sign up anytime of the year at their local NRCS field office. Conservation practices eligible for WHIP funding which are recommended BMPs for this watershed TMDL include but are not limited to filter strips, field borders, riparian buffers, streambank and shoreline protection, and wetland restoration.

9.5.1.7 Illinois Conservation and Climate Initiative

The Illinois Conservation and Climate Initiative (ICCI) is a joint project of the State of Illinois and the Delta Institute that allows farmers and landowners to earn revenue through the sale of greenhouse gas emissions credits when they use conservation practices such as no-till, grass plantings, reforestation, or manure digesters.

The Chicago Climate Exchange (CCX®) quantifies, credits, and sells greenhouse gas credits from conservation practices. The credits are aggregated, or pooled, from farmers and landowners in order to sell them to CCX® members that have made voluntary commitments to reduce their greenhouse gas contributions.

ICCI provides an additional financial incentive for farmers and landowners to use conservation practices that also benefit the environment by creating wildlife habitat and limiting soil and nutrient run-off to streams and lakes.

Many farmers and landowners are already using conservation practices eligible for carbon credits on the CCX® such as no-till farming, strip-till farming, grass plantings, afforestation/reforestation, and the use of methane digesters. To be eligible, the producer or landowner must make a contractual commitment to maintain the eligible practice through 2010. CREP and CRP land is eligible for enrollment in the ICCI as long as it meets CCX® eligibility requirements for the practice (www.illinoisclimate.org).

9.5.1.8 Local Program Information

The Farm Service Agency (FSA) administers the CRP. NRCS administers the EQIP, WRP, and WHIP. Local NRCS contact information in Saline, Hamilton, Franklin, and Williamson counties are listed in the Table 9-5 below.

| County | Contact | Address | Phone | | | |
|----------------------|------------------------|--------------------------------------------------------|--------------------------|--|--|--|
| Local SWCD Offic | Local SWCD Office | | | | | |
| Franklin County | Carla Barnes | 711 N. DuQuoin Street Benton, IL 62812 | (618) 438-4021 | | | |
| Hamilton County | Rebecca Barr | R.R.#5, P.O. Box 277 McLeansboro, IL 62859- 0277 | (618) 643-4326 | | | |
| Saline County | Carolyn R. Hathaway | 912 S. Commercial Street Harrisburg, IL 62946 | (618) 253-7292 | | | |
| Williamson County | Jodi Hawkins | 502 Comfort Drive, Suite C Marion, Illinois 62959 | (618) 993-5396 | | | |
| Local FSA Office | | | | | | |
| Franklin County | Terry Swift | 711 N. DuQuoin Street Benton, IL 62812 | (618) 438-4021 ext. 2 | | | |
| Hamilton County | Bruce Morrison | R.R.#5, P.O. Box 277 McLeansboro, IL 62859- 0277 | (618) 643-4326 ext. 2 | | | |
| Saline County | Gary Ellis | 912 S. Commercial Street Harrisburg, IL 62946 | (618) 252-8621 ext. 2 | | | |
| Williamson County | Amanda Grundy | 502 Comfort Drive, Suite C Marion, Illinois 62959 | (618) 993-5396 ext. 2 | | | |
| Local NRCS Office | e | | | | | |
| Franklin County | Diane Wallace | 711 N. DuQuoin Street Benton, IL 62812 | (618) 438-4021 ext. 3 | | | |
| Hamilton County | Rhonda Cox | R.R.#5, P.O. Box 277 McLeansboro, IL 62859- 0277 | (618) 643-4326 ext. 3 | | | |
| Saline County | James R. Warder | 912 S. Commercial Street Harrisburg, IL 62946 | (618) 253-7292 ext. 3 | | | |
| Williamson County | V. Tony Korando | 502 Comfort Drive, Suite C Marion, Illinois 62959 | (618) 993-5396 ext. 3 | | | |

Table 9-5 Local NRCS and FSA Contact Information

9.5.2 Cost Estimates of BMPs

Cost estimates for different BMPs and individual practice prices such as filter strip installation are detailed in the following sections. Finally, an estimate of the total order of magnitude costs for implementation measures in the Middle Fork Saline River watershed are presented in Section 9.5.2.6 and Table 9-5.

9.5.2.1 Wetlands

The price to establish a wetland is very site specific. There are many different costs that could be incurred depending on wetland construction. Examples of costs associated with constructed wetlands include excavation costs. EQIP program cost documentation for Illinois published in 2009 estimates \$1,700/acre for wetland excavation, earthwork, and native seeding. More information can be found at: http://ftp-fc.sc.egov.usda.gov/IL/farmbill/EQIPpaymnt_schdl_Tradtnl_0509.pdf

9.5.2.2 Filter Strips and Riparian Buffers

The Illinois EQIP document used for wetland pricing also provides filter strip and riparian buffer cost estimates. Filter strip implementation that includes seedbed preparation and native seed was estimated at \$88/acre while riparian buffers ranged from \$130/acre for herbaceous cover up to \$800/acre for forested buffers

9.5.2.3 Nutrient Management Plan – NRCS

A significant portion of the agricultural land in the Middle Fork Saline River watershed is comprised of cropland. The service for developing a nutrient management plan averages \$6 to \$18/acre. This includes soil testing, manure analysis, scaled maps, and site specific recommendations for fertilizer management.

9.5.2.4 Nutrient Management Plan – IDA and Illinois EPA

The costs associated with development of Nutrient Management Plans co-sponsored by the IDA and the Illinois EPA is estimated at \$10/acre paid to the producer and \$3/acre for a third party vendor who develops the plans. There is a 200 acre cap per producer. The total plan development cost is estimated at \$13/acre.

9.5.2.5 Conservation Tillage

Conservation tillage is assumed to include tillage practices that preserve at least 30 percent residue cover of the soil after crops are planted. Costs associated with converting to conservation tillage will depend on the degree of conservation tillage practices implemented. The University of Iowa has estimated a cost for conversion to no-till practices. The study acknowledged that some equipment conversion is needed, but converting to no-till only means (for most producers) the addition of heavier down-pressure springs, row cleaners, and possibly a coulter on each planter row unit. The cost of converting existing equipment ranges between \$300 and \$400 per planter row, which for many producers, amounts to a nominal additional production cost of approximately \$1 or \$2 per acre per year (Al-Kaisi 2002).

9.5.2.6 Planning Level Cost Estimates for Implementation Measures

Cost estimates for different implementation measures are presented in Table 9-6. The column labeled "Program" or "Sponsor" lists the financial assistance program or sponsor available for various BMPs. The programs and sponsors represented in the table are the Wetlands Reserve Program (WRP), the Conservation Reserve Program (CRP), National Resource Conservation Service (NRCS), Conservation Cost-Share

Program (CPP), Illinois EPA, and Illinois Department of Agriculture (IDA). It should be noted that IEPA 319 Grants are applicable to all of these practices.

| Source | Program | Sponsor | BMP | Installation Mean \$ |
|----------|---------|----------------------|-----------------------------|-------------------------|
| | CRP | NRCS and IDA | Filter strip (seeded) | \$88/acre |
| | CRP | NRCS and IDA | Riparian Buffer | \$130-\$800/acre |
| | WRP | NRCS | Wetland | \$1,700/acre |
| Nonpoint | | NRCS | Nutrient Management Plan | \$6-18 |
| | | IDA and Illinois EPA | Nutrient Management Plan | \$13 |
| | CRP | NRCS and IDA | Conservation Tillage | varies |

Table 9-6 Cost Estimate of Various BMP Measures

Total watershed costs will depend on the combination of BMPs selected to target nonpoint sources within the watershed. Regular monitoring will support adaptive management of implementation activities to most efficiently reach the TMDL goals.

9.6 Monitoring Plan

The purpose of the monitoring plan for the Middle Fork Saline River watershed is to assess the overall implementation of management actions outlined in this section. This can be accomplished by conducting the following monitoring programs:

- Track implementation of management measures in the watershed
- Estimate effectiveness of management measures
- Continued monitoring of impaired stream segments and Harrisburg Reservoir
- Storm-based monitoring of high flow events
- Tributary monitoring

Tracking the implementation of management measures can be used to address the following goals:

- Determine the extent to which management measures and practices have been implemented compared to action needed to meet TMDL endpoints
- Establish a baseline from which decisions can be made regarding the need for additional incentives for implementation efforts
- Measure the extent of voluntary implementation efforts
- Support work-load and costing analysis for assistance or regulatory programs
- Determine the extent to which management measures are properly maintained and operated

Estimating the effectiveness of the BMPs implemented in the watershed could be completed by monitoring before and after the BMP is incorporated into the watershed.

Additional monitoring could be conducted on specific structural systems such as a constructed wetland. Inflow and outflow measurements could be conducted to determine site-specific removal efficiency.

IEPA monitors lakes every three years and conducts Intensive Basin Surveys every five years. Additionally, ambient sites are monitored nine times a year. Continuation of this state monitoring program will assess lake and stream water quality as improvements in the watershed are completed. This data will also be used to assess whether water quality standards in the impaired segments are being attained.

9.7 Implementation Time Line

Implementing the actions outlined in this section for the Middle Fork Saline River watershed should occur in phases and assess effectiveness of the management actions as improvements are made. It is assumed that it may take up to five years to secure funding for actions needed in the watershed and five to seven years after funding to implement the measures. Once improvements are implemented, it may take 10 years or more for impaired waters to reach water quality standard targets. In summary, it may take up to 20 years for the impaired waterbodies to meet the applicable water quality standards.

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Section 10 References

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Appendix A Land Use Categories

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File names and descriptions:

Values and class names found in the Land Cover of Illinois 1999-2000 Arc/Info GRID coverage.

0 Background

AGRICULTURAL LAND

- 11 Corn
- 12 Soybeans
- 13 Winter Wheat
- 14 Other Small Grains & Hay
- 15 Winter Wheat/Soybeans
- 16 Other Agriculture
- 17 Rural Grassland

FORESTED LAND

- 21 Upland
- 25 Partial Canopy/Savannah Upland
- 26 Coniferous

URBAN & BUILT-UP LAND

- 31 High Density
- 32 Low/Medium Density
- 35 Urban Open Space

WETLAND

- 41 Shallow Marsh/Wet Meadow
- 42 Deep Marsh
- 43 Seasonally/Temporally Flooded
- 44 Floodplain Forest
- 48 Swamp
- 49 Shallow Water

OTHER

- 51 Surface Water
- 52 Barren & Exposed Land
- 53 Clouds
- 54 Cloud Shadows

Appendix B SSURGO Soil Series

| SSURGO Soil Series | | Dominant Hydrologic | • | Percent of |
|-----------------------|----------------------------------------------------------------------|------------------------|--------------|------------------|
| Code | SSURGO Soil Series Code Definition | Soil Group | Acres | watershed |
| 108 109 | Bonnie silt loam Racoon silt loam | C/D C/D | 5736 3728 | 3.573% 2.322% |
| 109 109A | Racoon silt loam, 0 to 2 percent slopes | C/D C/D | 250 | |
| 105A | Plumfield silty clay loam, 5 to 10 percent slopes | C | 230 | 1.626% |
| 10D | Plumfield silty clay loam, 10 to 18 percent slopes | C | 632 | 0.394% |
| 12 | Wynoose silt loam | D | 11 | 0.007% |
| 120 | Huey silt loam | D | 278 | 0.173% |
| 122B | Colp silt loam, 2 to 5 percent slopes | С | 1540 | 0.959% |
| 12A | Wynoose silt loam, 0 to 2 percent slopes | D | 697 | 0.434% |
| 131B | Alvin fine sandy loam, 2 to 5 percent slopes | В | 7 | 0.005% |
| 131C2 | Alvin fine sandy loam, 5 to 10 percent slopes, eroded | В | 12 | 0.008% |
| 131D3 | Alvin soils, 6 to 12 percent slopes, severely eroded | В | 4 | 0.002% |
| 138 | Shiloh silty clay | B/D | 19 | 0.012% |
| 13A | Bluford silt loam, 0 to 2 percent slopes | С | 2535 | 1.579% |
| 13B | Bluford silt loam, 2 to 5 percent slopes | С | 6942 | 4.324% |
| 13B2 | Bluford silt loam, 2 to 5 percent slopes, eroded | С | 971 | 0.605% |
| 142 | Patton silty clay loam | B/D | 3543 | 2.206% |
| 14B | Ava silt loam, 1 to 5 percent slopes | С | 8944 | 5.570% |
| 14B2 | Ava silt loam, 2 to 5 percent slopes, eroded | С | 656 | 0.409% |
| 14C2 | Ava silt loam, 5 to 10 percent slopes, eroded | С | 9967 | 6.208% |
| 14C3 | Ava silt loam, 5 to 10 percent slopes, severely eroded | С | 1365 | 0.850% |
| 14D2 | Ava silt loam, 7 to 12 percent slopes, eroded | С | 2245 | 1.398% |
| 14D3 | Ava soils, 7 to 16 percent slopes, severely eroded | С | 9111 | 5.674% |
| 164A | Stoy silt loam, 0 to 2 percent slopes | С | 402 | 0.250% |
| 164B | Stoy silt loam, 2 to 5 percent slopes | С | 797 | 0.496% |
| 165 | Weir silt loam | D | 1090 | 0.679% |
| 173 | McGary silt loam | С | 1116 | 0.695% |
| 173A | McGary silt loam, 0 to 2 percent slopes | C C | 111 | 0.069% |
| 173B 176 | McGary silt loam, 2 to 4 percent slopes Marissa silt loam | C | 16 | 0.010% |
| 176 199A | | B | 93 7 | 0.058% |
| 208 | Plano silt loam, 0 to 2 percent slopes Sexton silt loam | C/D | 6 | 0.004% |
| 200 214B | Hosmer silt loam, 2 to 5 percent slopes | C | 3033 | 1.889% |
| 214D 214C | Hosmer silt loam, 4 to 7 percent slopes | C | 24 | 0.015% |
| 214C2 | Hosmer silt loam, 5 to 10 percent slopes, eroded | C | 6265 | 3.902% |
| 214C3 | Hosmer soils, 4 to 7 percent slopes, severely eroded | C | 11 | 0.007% |
| 21400 214D | Hosmer silt loam, 7 to 12 percent slopes | C | 6 | 0.004% |
| 214D2 | Hosmer silt loam, 7 to 12 percent slopes, eroded | C | 911 | |
| 214D3 | Hosmer soils, 7 to 12 percent slopes, severely eroded | C | 2142 | |
| 287A | Chauncey silt loam, 0 to 3 percent slopes | C | 22 | 0.014% |
| 2A | Cisne silt loam, 0 to 2 percent slopes | D | 81 | 0.050% |
| 301B | Grantsburg silt loam, 2 to 5 percent slopes | С | 2207 | 1.374% |
| 301B2 | Grantsburg silt loam, 2 to 5 percent slopes, eroded | С | 178 | 0.111% |
| 301C2 | Grantsburg silt loam, 5 to 12 percent slopes, eroded | С | 818 | 0.509% |
| 301C3 | Grantsburg silty clay loam, 5 to 10 percent slopes, severely eroded | С | 1122 | 0.699% |
| 301D3 | Grantsburg silt loam, 7 to 12 percent slopes, severely eroded | С | 142 | 0.088% |
| 3072A | Sharon silt loam, 0 to 2 percent slopes, frequently flooded | В | 1295 | 0.806% |
| 3108A | Bonnie silt loam, 0 to 2 percent slopes, frequently flooded | C/D | 253 | 0.158% |
| 335B | Robbs silt loam, 1 to 4 percent slopes | D | 11 | 0.007% |
| 337 | Creal silt loam | С | 2421 | 1.508% |
| 337A | Creal silt loam, 0 to 3 percent slopes | С | 133 | 0.083% |
| 337B | Creal silt loam, 1 to 5 percent slopes | С | 12 | 0.007% |
| 338 | Hurst silt loam | D | 1711 | 1.066% |
| 3382A | Belknap silt loam, 0 to 2 percent slopes, frequently flooded | С | 3493 | 2.175% |
| 339D2 | Wellston silt loam, 5 to 12 percent slopes, eroded | В | 170 | 0.106% |
| 339D3 | Wellston silt loam, 10 to 18 percent slopes, severely eroded | В | 452 | 0.281% |
| 339E | Wellston silt loam, 15 to 20 percent slopes | В | 303 | 0.189% |
| 339F | Wellston silt loam, 20 to 35 percent slopes | В | 347 | 0.216% |
| 340D2 | Zanesville silt loam, 3 to 12 percent slopes, eroded | С | 897 | 0.558% |
| 340D3 | Zanesville silty clay loam, 10 to 18 percent slopes, severely eroded | С | 1826 | 1.137% |

| SSURGO | | Dominant | | |
|--------------|-------------------------------------------------------------------------------------------------------------------|--------------|-------------------|------------------|
| Soil Series | | Hydrologic | | Percent of |
| Code | SSURGO Soil Series Code Definition | Soil Group | Acres | watershed |
| 340E2 | Zanesville silt loam, 12 to 18 percent slopes, eroded | С | 120 | 0.075% |
| 340E3 | Zanesville soils, 12 to 18 percent slopes, severely eroded | С | 164 | 0.102% |
| 382 | Belknap silt loam | C | 14163 | 8.821% |
| 3A | Hoyleton silt loam, 0 to 2 percent slopes | C | 214 | 0.133% |
| 3B 3B2 | Hoyleton silt loam, 2 to 5 percent slopes | C C | <u>970</u> 411 | 0.604% |
| 362 420 | Hoyleton silt loam, 2 to 5 percent slopes, eroded Piopolis silty clay loam | C/D | 100 | 0.256% |
| 420 421G | Kell silt loam, 35 to 60 percent slopes | B | 22 | 0.002 % |
| 4210 | Cape silty clay loam | D | 16 | 0.014% |
| 426 | Karnak silty clay | D | 374 | 0.233% |
| 461A | Weinbach silt loam, 0 to 2 percent slopes | C | 90 | 0.056% |
| 462A | Sciotoville silt loam, 0 to 2 percent slopes | C | 1 | 0.001% |
| 462B | Sciotoville silt loam, 2 to 4 percent slopes | C | 5 | 0.003% |
| 465 | Montgomery silty clay | D | 62 | 0.038% |
| 465+ | Montgomery silt loam, overwash | D | 37 | 0.023% |
| 467B | Markland silt loam 1 to 4 percent slopes | С | 34 | 0.021% |
| 467C2 | Markland silt loam, 4 to 7 percent slopes, eroded | С | 353 | 0.220% |
| 467D2 | Markland silt loam, 7 to 12 percent slopes, eroded | С | 6 | 0.003% |
| 467D3 | Markland soils, 7 to 15 percent slopes, severely eroded | С | 284 | 0.177% |
| 482A | Uniontown silt loam, 0 to 2 percent slopes | В | 207 | 0.129% |
| 482B | Uniontown silt loam, 2 to 4 percent slopes | В | 516 | 0.321% |
| 482C3 | Uniontown soils, 4 to 7 percent slopes, severely eroded | В | 9 | 0.006% |
| 484 | Harco silt loam | В | 1352 | 0.842% |
| 4B2 | Richview silt loam, 2 to 5 percent slopes, eroded | С | 36 | 0.022% |
| 4C2 | Richview silt loam, 5 to 10 percent slopes, eroded | С | 11 | 0.007% |
| 518B2 | Rend silt loam, 2 to 5 percent slopes, eroded | С | 8 | 0.005% |
| 518C2 | Rend silt loam, 5 to 10 percent slopes, eroded | С | 52 | 0.033% |
| 518C3 | Rend silty clay loam, 5 to 10 percent slopes, severely eroded | С | 83 | 0.052% |
| 524 | Zipp silty clay | D | 8016 | 4.992% |
| 524+ 536 | Zipp very fine sandy loam, overwash | D (blank) | 491 | 0.306% |
| 536 583B | Dumps Pike silt loam, 2 to 5 percent slopes | (blank) B | 100 | 0.062% 0.001% |
| 503D 5C3 | | C | 362 | |
| 639A | Blair silty clay loam, 5 to 10 percent slopes, severely eroded Wynoose silt loam, bench, 0 to 2 percent slopes | D | 251 | 0.225% 0.156% |
| 640A | Bluford silt loam, bench, 0 to 2 percent slopes | C | 53 | 0.033% |
| 640B | Bluford silt loam, bench, 2 to 5 percent slopes | C | 70 | 0.033 % |
| 640B2 | Bluford silt loam, bench, 2 to 5 percent slopes | C | 13 | 0.004476 |
| 71 | Darwin silty clay | D | 2392 | |
| 72 | Sharon silt loam | B | 686 | 0.427% |
| 723 | Reesville silt loam | C | 1047 | 0.652% |
| 723A | Reesville silt loam, 0 to 2 percent slopes | С | 50 | 0.031% |
| 723B | Reesville silt loam, 2 to 4 percent slopes | С | 86 | 0.054% |
| 723B2 | Reesville silt loam, 2 to 4 percent slopes, eroded | С | 18 | 0.011% |
| 723C2 | Reesville silt loam, 4 to 7 percent slopes, eroded | С | 6 | 0.003% |
| 730B | Bethesda gravelly silt loam, 2 to 7 percent slopes | С | 14 | 0.009% |
| 730D | Bethesda gravelly silt loam, 7 to 20 percent slopes | С | 273 | 0.170% |
| 730G | Bethesda gravelly silt loam, 20 to 60 percent slopes | С | 2164 | 1.348% |
| 754B | Fairpoint gravelly silt loam, 2 to 7 percent slopes | С | 313 | 0.195% |
| 754D | Fairpoint gravelly silt loam, 7 to 20 percent slopes | С | 1910 | 1.190% |
| 754G | Fairpoint gravelly silt loam, 20 to 60 percent slopes | С | 676 | 0.421% |
| 786D3 | Frondorf silt loam, 7 to 12 percent slopes, severely eroded | В | 983 | 0.612% |
| 786E | Frondorf silt loam, 12 to 18 percent slopes | B | 1286 | 0.801% |
| 786F | Frondorf silt loam, 15 to 35 percent slopes | В | 463 | 0.288% |
| 787 | Banlic silt loam | C | 6231 | 3.881% |
| 802 802P | Orthents, loamy | BB | 28 | 0.017% |
| 802B 802F | Orthents, loamy, undulating Orthents, loamy, hilly and very hilly | B | <u>27</u> 21 | 0.017% 0.013% |
| 802F 803C | Orthents, loarny, hilly and very hilly Orthents, 5 to 15 percent slopes | B | 3363 | 2.095% |
| 803C 803F | Orthents, 15 to 60 percent slopes | B | 3657 | 2.095% |
| | | | 3037 | 2.210/0 |

| SSURGO | | Dominant | | |
|-------------|------------------------------------------------------------------------|------------|---------|------------|
| Soil Series | | Hydrologic | | Percent of |
| Code | SSURGO Soil Series Code Definition | Soil Group | Acres | watershed |
| 824C | Swanwick silt loam, 5 to 10 percent slopes | D | 185 | 0.115% |
| 84 | Okaw silt loam | D | 20 | 0.013% |
| 866 | Dumps, slurry | (blank) | 20 | 0.013% |
| 8D2 | Hickory loam, 10 to 15 percent slopes, eroded | С | 344 | 0.214% |
| 8D3 | Hickory clay loam, 10 to 15 percent slopes, severely er oded | С | 931 | 0.580% |
| 8E | Hickory loam, 12 to 18 percent slopes | С | 1080 | |
| 8E2 | Hickory loam, 15 to 20 percent slopes, eroded | С | 11 | 0.007% |
| 8E3 | Hickory soils, 12 to 18 percent slopes, severely eroded | С | 1211 | 0.754% |
| 8F | Hickory silt loam, 15 to 30 percent slopes | С | 796 | 0.496% |
| 908D2 | Hickory-Kell silt loams, 10 to 18 percent slopes, eroded | С | 962 | 0.599% |
| 908D3 | Hickory-Kell clay loams, 10 to 18 percent slopes, severely eroded | В | 791 | 0.493% |
| 908F | Hickory-Kell silt loams, 18 to 35 percent slopes | С | 1240 | 0.772% |
| 927D3 | Blair-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded | С | 66 | 0.041% |
| 929D3 | Ava-Hickory complex, 10 to 18 percent slopes, severely eroded | С | 176 | 0.110% |
| 986F | Wellston-Berks complex, 15 to 30 percent slopes | В | 97 | 0.060% |
| 986F2 | Wellston-Berks complex, 12 to 60 percent slopes, eroded | В | 5 | 0.003% |
| 986G | Berks-Wellston complex, 30 to 60 percent slopes | С | 57 | 0.035% |
| W | Water | (blank) | 1654 | 1.030% |
| W108 | Bonnie silt loam, wet | C/D | 75 | 0.047% |
| Total | | | 160,562 | 100.000% |

Appendix C Historical Water Quality Data

| Ctation ID | Data | Comunic Doméh | Devenuetor | Desult Value | l luite | Demerly Code |
|-----------------------|-------------------|---------------|---------------------------------------|--------------|-------------|------------------|
| Station ID ATGC-01 | Date 1/26/2000 | Sample Depth | Fecal Coliform | Result Value | count/100ml | Remark Code B |
| ATGC-01 ATGC-01 | 3/1/2000 | | Fecal Coliform | | count/100ml | B |
| ATGC-01 | 4/19/2000 | | Fecal Coliform | | count/100ml | B |
| ATGC-01 | 5/24/2000 | | Fecal Coliform | | count/100ml | C |
| ATGC-01 | 6/22/2000 | | Fecal Coliform | | count/100ml | 0 |
| ATGC-01 | 8/16/2000 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 9/13/2000 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 10/2/2000 | | Fecal Coliform | 165 | count/100ml | _ |
| ATGC-01 | 11/15/2000 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 1/10/2001 | | Fecal Coliform | | count/100ml | B |
| ATGC-01 | 3/14/2001 | | Fecal Coliform | | count/100ml | _ |
| ATGC-01 | 4/19/2001 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 5/23/2001 | | Fecal Coliform | | count/100ml | B |
| ATGC-01 | 6/14/2001 | | Fecal Coliform | | count/100ml | _ |
| ATGC-01 | 7/26/2001 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 9/4/2001 | | Fecal Coliform | 72 | count/100ml | В |
| ATGC-01 | 11/1/2001 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 12/13/2001 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 1/17/2002 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 2/21/2002 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 3/20/2002 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 4/24/2002 | | Fecal Coliform | | count/100ml | B |
| ATGC-01 | 6/4/2002 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 8/19/2002 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 10/2/2002 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 12/11/2002 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 5/6/2003 | | Fecal Coliform | 580 | count/100ml | |
| ATGC-01 | 6/18/2003 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 8/7/2003 | | Fecal Coliform | 48 | count/100ml | |
| ATGC-01 | 9/4/2003 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 10/15/2003 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 11/18/2003 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 1/14/2004 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 2/19/2004 | | Fecal Coliform | | count/100ml | B |
| ATGC-01 | 4/14/2004 | | Fecal Coliform | | count/100ml | _ |
| ATGC-01 | 5/12/2004 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 6/9/2004 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 8/11/2004 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 9/8/2004 | | Fecal Coliform | | count/100ml | В |
| ATGC-01 | 10/27/2004 | | Fecal Coliform | | count/100ml | _ |
| ATGC-01 | 12/20/2004 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 5/23/2005 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 6/29/2005 | | Fecal Coliform | - | count/100ml | |
| ATGC-01 | 7/20/2005 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 9/15/2005 | | Fecal Coliform | | count/100ml | |
| ATGC-01 | 10/31/2005 | | Fecal Coliform | - | count/100ml | |
| ATGC-01 | 1/25/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 1/25/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 3/7/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 3/7/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 4/11/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/11/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/14/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/14/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/14/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/14/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/24/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/24/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 9/11/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/11/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 10/30/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/30/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | 2325 | mg/L | С |
| ATGC-01 | 12/20/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/20/1990 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 1/30/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 1/30/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | 492 | mg/L | С |
| ATGC-01 | 3/7/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | 1105 | mg/L | С |
| ATGC-01 | 3/7/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | 1105 | mg/L | С |
| ATGC-01 | 4/9/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/9/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | 1014 | mg/L | С |
| ATGC-01 | 5/13/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/13/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/11/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/11/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/18/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/18/1991 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| | | | · · · · · · · · · · · · · · · · · · · | | | |

| Station ID | Data | Samula Danth Baramatar | Beault Value | 11:40 | Bomark Cada |
|-----------------------|------------------------|--------------------------------------------------------------------|--------------|--------------|------------------|
| Station ID ATGC-01 | Date 9/30/1991 | Sample Depth Parameter HARDNESS, TOTAL (MG/L AS CACO3) | Result Value | mg/L | Remark Code C |
| ATGC-01 ATGC-01 | 9/30/1991 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C C |
| ATGC-01 | 11/7/1991 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/7/1991 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/9/1991 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/9/1991 | HARDNESS, TOTAL (MG/L AS CACO3) | 1007 | mg/L | С |
| ATGC-01 | 1/21/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 1/21/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | 1223 | mg/L | С |
| ATGC-01 | 2/25/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | 836 | mg/L | С |
| ATGC-01 | 2/25/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | 836 | mg/L | С |
| ATGC-01 | 3/26/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 3/26/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 4/28/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 4/28/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | 1044 | - × | C |
| ATGC-01 | 6/25/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/25/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 8/10/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 8/10/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/2/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/2/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/6/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/6/1992 12/1/1992 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C C |
| ATGC-01 ATGC-01 | 12/1/1992 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C C |
| ATGC-01 ATGC-01 | 12/1/1992 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C |
| ATGC-01 ATGC-01 | 1/5/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C C |
| ATGC-01 ATGC-01 | 2/10/1993 | HARDNESS, TOTAL (MG/LAS CACO3) HARDNESS, TOTAL (MG/LAS CACO3) | | mg/L | C C |
| ATGC-01 ATGC-01 | 2/10/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 1412 | • | C |
| ATGC-01 | 3/18/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 3/18/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/22/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | Č |
| ATGC-01 | 4/22/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/8/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/8/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/13/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/13/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 1983 | mg/L | С |
| ATGC-01 | 9/16/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 575 | mg/L | С |
| ATGC-01 | 9/16/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 575 | mg/L | С |
| ATGC-01 | 11/15/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 169 | mg/L | С |
| ATGC-01 | 11/15/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 169 | mg/L | С |
| ATGC-01 | 12/14/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 1283 | mg/L | С |
| ATGC-01 | 12/14/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 1283 | mg/L | С |
| ATGC-01 | 1/13/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 1/13/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 2/22/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 2/22/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/20/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/20/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | 1138 | | C |
| ATGC-01 | 5/17/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/17/1994 6/22/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C C |
| ATGC-01 | 6/22/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C C |
| ATGC-01 | | HARDNESS, TOTAL (MG/LAS CACO3) | | mg/L | C C |
| ATGC-01 ATGC-01 | 8/11/1994 8/11/1994 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C C |
| ATGC-01 ATGC-01 | 9/22/1994 | HARDNESS, TOTAL (MG/LAS CACOS) | | mg/L | C |
| ATGC-01 ATGC-01 | 9/22/1994 | HARDNESS, TOTAL (MG/LAS CACOS) | | mg/L | C |
| ATGC-01 | 11/1/1994 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C |
| ATGC-01 | 11/1/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/19/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/19/1994 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/24/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/24/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 2/28/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 2/28/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | 510 | mg/L | С |
| ATGC-01 | 4/19/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | 1534 | mg/L | С |
| ATGC-01 | 4/19/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 5/23/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 5/23/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/3/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/3/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 8/10/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/10/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/7/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/7/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/16/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/16/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | 1848 | mg/L | С |

| Ctation ID | Data | Comula Danth Baramatan | Desult Value | l luite | Downards Condo |
|-----------------------|------------------------|--------------------------------------------------------------------|--------------|--------------|------------------|
| Station ID ATGC-01 | Date 11/21/1995 | Sample Depth Parameter HARDNESS, TOTAL (MG/L AS CACO3) | Result Value | mg/L | Remark Code C |
| ATGC-01 ATGC-01 | 11/21/1995 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/2/1996 | HARDNESS, TOTAL (MG/LAS CACO3) | | mg/L | C |
| ATGC-01 | 1/2/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 2/8/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 2/8/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/15/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/15/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/23/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/23/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/13/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/13/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 1173 | mg/L | С |
| ATGC-01 | 8/15/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 8/15/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 1628 | mg/L | С |
| ATGC-01 | 9/30/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 1437 | mg/L | С |
| ATGC-01 | 9/30/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 1437 | mg/L | С |
| ATGC-01 | 11/4/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 1217 | mg/L | С |
| ATGC-01 | 11/4/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 1217 | mg/L | С |
| ATGC-01 | 12/19/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 998 | mg/L | С |
| ATGC-01 | 12/19/1996 | HARDNESS, TOTAL (MG/L AS CACO3) | 998 | mg/L | С |
| ATGC-01 | 1/30/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | 706 | mg/L | С |
| ATGC-01 | 1/30/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | 706 | mg/L | С |
| ATGC-01 | 3/6/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | 567 | mg/L | С |
| ATGC-01 | 3/6/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | 5 | С |
| ATGC-01 | 4/17/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | 830 | mg/L | С |
| ATGC-01 | 4/17/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 6/4/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | 483 | mg/L | С |
| ATGC-01 | 6/4/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/11/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/11/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/18/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/18/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | 1316 | , v | С |
| ATGC-01 | 9/25/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 9/25/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/10/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/10/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/17/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/17/1997 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/22/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/22/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 2/25/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 2/25/1998 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/15/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C C |
| ATGC-01 ATGC-01 | 4/15/1998 5/20/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C C |
| ATGC-01 | 5/20/1998 | HARDNESS, TOTAL (MG/LAS CACO3) | 1186 | · · | C |
| ATGC-01 ATGC-01 | 6/18/1998 | HARDNESS, TOTAL (MG/LAS CACOS) HARDNESS, TOTAL (MG/LAS CACO3) | | mg/L | C |
| ATGC-01 | 6/18/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | - | mg/L | C |
| ATGC-01 | 7/29/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/29/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | 1240 | * | C |
| ATGC-01 | 9/16/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/16/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/22/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 10/22/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/23/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/23/1998 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/28/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/28/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 2/17/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 2/17/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | 1126 | mg/L | С |
| ATGC-01 | 3/29/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | 1200 | mg/L | С |
| ATGC-01 | 3/29/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | 1200 | mg/L | С |
| ATGC-01 | 5/7/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | 715 | mg/L | С |
| ATGC-01 | 5/7/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/6/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/6/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/17/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/17/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 9/23/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/23/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/4/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/4/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/17/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 12/17/1999 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/26/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/26/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 1965 | mg/L | С |

| Station ID | Dete | Samula Danth Baramatar | Beault Value | 1 Inite | Bomark Cada |
|-----------------------|------------------------|--------------------------------------------------------------------------|--------------|--------------|------------------|
| Station ID ATGC-01 | Date 3/1/2000 | Sample Depth Parameter HARDNESS, TOTAL (MG/L AS CACO3) | Result Value | mg/L | Remark Code C |
| ATGC-01 ATGC-01 | 3/1/2000 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C C |
| ATGC-01 | 4/19/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/19/2000 | HARDNESS, TOTAL (MG/LAS CACO3) | | mg/L | C |
| ATGC-01 | 5/24/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/24/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 245 | mg/L | С |
| ATGC-01 | 6/22/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 6/22/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 618 | mg/L | С |
| ATGC-01 | 8/16/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 1777 | mg/L | С |
| ATGC-01 | 8/16/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 1777 | mg/L | С |
| ATGC-01 | 10/2/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 1812 | mg/L | С |
| ATGC-01 | 10/2/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 1812 | | С |
| ATGC-01 | 11/15/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 11/15/2000 | HARDNESS, TOTAL (MG/L AS CACO3) | 1329 | 0 | С |
| ATGC-01 | 1/10/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/10/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 4/19/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/19/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | 1383 | | C |
| ATGC-01 | 7/26/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/26/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/4/2001 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 ATGC-01 | 9/4/2001 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/l | C C |
| ATGC-01 ATGC-01 | 11/1/2001 11/1/2001 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C C |
| ATGC-01 ATGC-01 | 11/1/2001 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | 1077 | 0 | C |
| ATGC-01 ATGC-01 | 1/17/2002 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C |
| ATGC-01 ATGC-01 | 2/21/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C C |
| ATGC-01 | 2/21/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 3/20/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 3/20/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/24/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/24/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/4/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/4/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 7/15/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 7/15/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | 1968 | mg/L | С |
| ATGC-01 | 8/19/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | 2071 | mg/L | С |
| ATGC-01 | 8/19/2002 | HARDNESS, TOTAL (MG/L AS CACO3) | 2071 | mg/L | С |
| ATGC-01 | 1/30/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | 1517 | mg/L | С |
| ATGC-01 | 1/30/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | 1517 | mg/L | С |
| ATGC-01 | 3/5/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | 916 | mg/L | С |
| ATGC-01 | 3/5/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | 916 | mg/L | С |
| ATGC-01 | 3/26/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | 714 | mg/L | С |
| ATGC-01 | 3/26/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 5/6/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/6/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 6/18/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/18/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 8/7/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 8/7/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/4/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 ATGC-01 | 9/4/2003 10/15/2003 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L mg/L | C C |
| ATGC-01 ATGC-01 | 10/15/2003 | HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C C |
| ATGC-01 ATGC-01 | 11/18/2003 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 11/18/2003 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C C |
| ATGC-01 | 1/14/2003 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C |
| ATGC-01 | 1/14/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 2/19/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | 1100 | | C |
| ATGC-01 | 2/19/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/14/2004 | HARDNESS, TOTAL (MG/LAS CACO3) | | mg/L | C |
| ATGC-01 | 4/14/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/12/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 5/12/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | 1300 | mg/L | С |
| ATGC-01 | 6/9/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | 1100 | mg/L | С |
| ATGC-01 | 6/9/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/11/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 8/11/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 9/8/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 9/8/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 10/27/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 10/27/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 12/20/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 12/20/2004 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/27/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 1/27/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | 1400 | mg/L | С |

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|-----------------------|-------------------------|-------------------------------------------------------------------------|----------------|--------------|------------------|
| Station ID ATGC-01 | Date 2/24/2005 | Sample Depth Parameter HARDNESS, TOTAL (MG/L AS CACO3) | Result Value | mg/L | Remark Code C |
| ATGC-01 ATGC-01 | 2/24/2005 | HARDNESS, TOTAL (MG/L AS CACOS) | | mg/L | C |
| ATGC-01 | 4/13/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 4/13/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/23/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 5/23/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-01 | 6/29/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 6/29/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | 1500 | mg/L | С |
| ATGC-01 | 7/20/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | 1500 | mg/L | С |
| ATGC-01 | 7/20/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | 1500 | mg/L | С |
| ATGC-01 | 9/15/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 9/15/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | 1900 | | С |
| ATGC-01 | 10/31/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | 1900 | mg/L | С |
| ATGC-01 | 10/31/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 12/6/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 12/6/2005 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGC-01 | 1/25/1990 | MANGANESE, DISSOLVED (UG/L AS MN) | 1654 | | |
| ATGC-01 | 3/7/1990 | MANGANESE, DISSOLVED (UG/L AS MN) | 1272 | | |
| ATGC-01 | 4/11/1990 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 5/14/1990 | MANGANESE, DISSOLVED (UG/L AS MN) | | μg/L | |
| ATGC-01 | 6/14/1990 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 7/24/1990 | MANGANESE, DISSOLVED (UG/L AS MN) | | μg/L | |
| ATGC-01 | 9/11/1990 | MANGANESE, DISSOLVED (UG/LAS MN) | | μg/L | |
| ATGC-01 | 10/30/1990 | MANGANESE, DISSOLVED (UG/LAS MN) | | µg/L | |
| ATGC-01 | 12/20/1990 1/30/1991 | MANGANESE, DISSOLVED (UG/L AS MN) | 996 | µg/L | |
| ATGC-01 | | MANGANESE, DISSOLVED (UG/LAS MN) | | 10 | |
| ATGC-01 ATGC-01 | 3/7/1991 4/9/1991 | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE. DISSOLVED (UG/L AS MN) | 1265 1451 | | |
| ATGC-01 ATGC-01 | 5/13/1991 | MANGANESE, DISSOLVED (UG/L AS MIN) | | μg/L | |
| ATGC-01 ATGC-01 | 6/11/1991 | MANGANESE, DISOCEVED (UG/L AS MIN) | | µg/L | |
| ATGC-01 ATGC-01 | 7/18/1991 | MANGANESE, DISSOLVED (UG/L AS MIN) | | µg/L | |
| ATGC-01 | 9/30/1991 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 11/7/1991 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 12/9/1991 | MANGANESE, DISSOLVED (UG/L AS MN) | 1300 | | |
| ATGC-01 | 1/21/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | 1400 | | |
| ATGC-01 | 2/25/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | 1100 | | |
| ATGC-01 | 3/26/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 4/28/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | 1000 | | |
| ATGC-01 | 6/25/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | 1800 | | |
| ATGC-01 | 8/10/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 9/2/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 10/6/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | 1000 | µg/L | |
| ATGC-01 | 12/1/1992 | MANGANESE, DISSOLVED (UG/L AS MN) | 1600 | µg/L | |
| ATGC-01 | 1/5/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | 450 | µg/L | |
| ATGC-01 | 2/10/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | 1700 | µg/L | |
| ATGC-01 | 3/18/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | 1600 | µg/L | |
| ATGC-01 | 4/22/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 6/8/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | 970 | µg/L | |
| ATGC-01 | 7/13/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | 130 | µg/L | |
| ATGC-01 | 9/16/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | 18000 | | |
| ATGC-01 | 11/15/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 12/14/1993 | MANGANESE, DISSOLVED (UG/L AS MN) | | μg/L | |
| ATGC-01 | 1/13/1994 | MANGANESE, DISSOLVED (UG/L AS MN) | 1400 | | |
| ATGC-01 | 2/22/1994 | MANGANESE, DISSOLVED (UG/L AS MN) | 1100 | | |
| ATGC-01 | 4/20/1994 | MANGANESE, DISSOLVED (UG/L AS MN) | 1300 | | |
| ATGC-01 | 5/17/1994 | MANGANESE, DISSOLVED (UG/LAS MN) | | μg/L | |
| ATGC-01 | 6/22/1994 | MANGANESE, DISSOLVED (UG/LAS MN) | 1100 | 10 | |
| ATGC-01 | 8/11/1994 | MANGANESE, DISSOLVED (UG/LAS MN) | | μg/L | |
| ATGC-01 | 9/22/1994 | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 11/1/1994 | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 12/19/1994 1/24/1995 | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | 1100 | µg/L | |
| ATGC-01 ATGC-01 | 2/28/1995 | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L µg/L | |
| ATGC-01 ATGC-01 | 4/19/1995 | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L µg/L | |
| ATGC-01 ATGC-01 | 5/23/1995 | MANGANESE, DISSOLVED (UG/L AS MIN) MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 7/3/1995 | MANGANESE, DISSOLVED (UG/L AS MIN) | 1400 | | |
| ATGC-01 | 8/10/1995 | MANGANESE, DISSOLVED (UG/L AS MIN) | | µg/L | |
| ATGC-01 | 9/7/1995 | MANGANESE, DISOCEVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 10/16/1995 | MANGANESE, DISSOLVED (UG/L AS MIN) | | µg/L | |
| ATGC-01 | 11/21/1995 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 1/2/1996 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 2/8/1996 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 4/15/1996 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 5/23/1996 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| ATGC-01 | 6/13/1996 | MANGANESE, DISSOLVED (UG/L AS MN) | 1500 | | |
| ATGC-01 | 8/15/1996 | MANGANESE, DISSOLVED (UG/L AS MN) | | µg/L | |
| | | | | | |

| TGC-01 95/817980 MARABARSE. DISSO, UP (UK), AS NM 1000 (p)L TGC-01 1/2/107766 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 1/2/107766 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 1/2/107766 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 4/177990 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 4/177990 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 1500 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 370 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 370 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 1700 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 1700 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 1700 (p)L TGC-01 1/17790 MARABARSE. DISSO, UP (UK), AS NM 1700 (p)L | Station ID | Date | Sample Dopth | Deremeter | Posult Value | Unite | Remark Code |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------|-----------------------------------|--------------|-------|-------------|
| TRGC-1 11/14/1980 MAXCAMESE, DSSQUED (US), AS NM 250 (p)L TRGC-1 12/91/980 MAXCAMESE, DSSQUED (US), AS NM 1300 (p)L TRGC-1 12/91/980 MAXCAMESE, DSSQUED (US), AS NM 1300 (p)L TRGC-1 12/91/980 MAXCAMESE, DSSQUED (US), AS NM 1300 (p)L TRGC-1 12/91/980 MAXCAMESE, DSSQUED (US), AS NM 1500 (p)L TRGC-1 14/91/97 MAXCAMESE, DSSQUED (US), AS NM 500 (p)L TRGC-1 16/91/97 MAXCAMESE, DSSQUED (US), AS NM 500 (p)L TRGC-1 16/91/97 MAXCAMESE, DSSQUED (US), AS NM 300 (p)L TRGC-1 12/91/97 MAXCAMESE, DSSQUED (US), AS NM 1100 (p)L TRGC-1 12/97/997 MAXCAMESE, DSSQUED (US), AS NM 1100 (p)L TRGC-1 12/97/997 MAXCAMESE, DSSQUED (US), AS NM 1100 (p)L TRGC-1 12/97/997 MAXCAMESE, DSSQUED (US), AS NM 1100 (p)L TRGC-1 12/97/997 MAXCAMESE, DSSQUED (US), AS NM 1100 (p)L TRGC-1 12/97/997 MAXCAMESE, DSSQUED (US), AS NM 1100 (p)L | | | Sample Depth | | | | Remark Code |
| Track-1 12019/91/2 MACARASE: DISSOLED (UK), AS NM 13001/p1. TACC-1 36/197 MACARASE: DISSOLED (UK), AS NM 13001/p1. TACC-1 36/197 MACARASE: DISSOLED (UK), AS NM 13001/p1. TACC-1 36/197 MACARASE: DISSOLED (UK), AS NM 1301/p1. TACC-1 16/197 MACARASE: DISSOLED (UK), AS NM 1301/p1. TACC-1 16/197 MACARASE: DISSOLED (UK), AS NM 1301/p1. TACC-1 94/197 MACARASE: DISSOLED (UK), AS NM 1301/p1. TACC-1 94/198 MACARASE: DISSOLED (UK), AS NM 1301/p1. TACC-1 94/198 MACARASE: DISSOLED (UK), AS NM 901/p1. TACC-1 14/19789 | | | | | | | |
| TGC-01 1/30/1997 MACAMESE, DISSOLVED (UCK, AS NM) 1/30/191 TGC-01 AVF807 MANGAMESE, DISSOLVED (UCK, AS NM) 1/40/191 TGC-01 4/17/1937 MANGAMESE, DISSOLVED (UCK, AS NM) 1/40/191 TGC-01 4/17/1937 MANGAMESE, DISSOLVED (UCK, AS NM) 1/40/191 TGC-01 9/17/1937 MARCAMESE, DISSOLVED (UCK, AS NM) 2/30/191 TGC-01 9/17/1937 MARCAMESE, DISSOLVED (UCK, AS NM) 3/10/191 TGC-01 9/17/1937 MARCAMESE, DISSOLVED (UCK, AS NM) 3/10/191 TGC-01 1/10/1937 MARCAMESE, DISSOLVED (UCK, AS NM) 3/10/191 TGC-01 1/27/1939 MARCAMESE, DISSOLVED (UCK, AS NM) 3/10/191 TGC-01 1/27/1939 MARCAMESE, DISSOLVED (UCK, AS NM) 1/20/191 TGC-01 1/27/1939 MARCAMESE, DISSOLVED (UCK, AS NM) 1/20/192 | ATGC-01 | | | | | | |
| NIGC-01 36/F1997 MAXABARSE, DISSICUE (UKA, AS NM) 1100 (mjL NIGC-01 6/4/F997 MAXABARSE, DISSICUE (UKA, AS NM) 1200 (mjL NIGC-01 6/4/F997 MAXABARSE, DISSICUE (UKA, AS NM) 1200 (mjL NIGC-01 7/6/F997 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 9/6/F997 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 9/7/F997 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 127/F1997 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 127/F1997 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 127/F1998 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 72/F1998 MAXABARSE, DISSICUE (UKA, AS NM) 1301 (mjL NIGC-01 72/F1998 MAXABARSE, DISSICUE (UKA, AS NM) 1300 (mjL NIGC-01 72/F1998 MAXABARSE, DISSICUE (UKA, AS NM) 1300 (mjL NIGC-01 72/F1998 MAXABARSE, DISSICUE (UKA, AS NM) 1300 (mjL NIGC-01 72/F1998 MAXABARSE, DISSICUE (UKA, AS NM) 13000 (m | ATGC-01 | | | MANGANESE, DISSOLVED (UG/L AS MN) | | 10 | |
| ATCC-11 64/1997 MARAAREE DISSOLUE (UKL AS MM) 1200 [pt] ATCC-11 7111997 MARAAREE DISSOLUE (UKL AS MM) 260 [pt] ATCC-11 7111997 MARAAREE DISSOLUE (UKL AS MM) 270 [pt] ATCC-11 7277197 MARAAREE DISSOLUE (UKL AS MM) 370 [pt] ATCC-11 7277197 MARAAREE DISSOLUE (UKL AS MM) 370 [pt] ATCC-11 7277197 MARAAREE DISSOLUE (UKL AS MM) 370 [pt] ATCC-11 7277197 MARAAREE DISSOLUE (UKL AS MM) 370 [pt] ATCC-11 7277198 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 7277198 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 727798 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 727798 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 7279798 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 7279798 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 7279798 MARAAREE DISSOLUE (UKL AS MM) 470 [pt] ATCC-11 727998 | ATGC-01 | | | MANGANESE, DISSOLVED (UG/L AS MN) | 1100 | µg/L | |
| TATECO 1 71111997 MANARESE, DISSO/LEG (ULL AS IM) 600 [g/t] ATRCC 1 0.01997 MANARESE, DISSO/LEG (ULL AS IM) 720 [g/t] ATRCC 1 0.01997 MANARESE, DISSO/LEG (ULL AS IM) 730 [g/t] ATRCC 1 1.019197 MANARESE, DISSO/LEG (ULL AS IM) 740 [g/t] ATRCC 1 1.019197 MANARESE, DISSO/LEG (ULL AS IM) 710 [g/t] ATRCC 1 1.0221988 MANARESE, DISSO/LEG (ULL AS IM) 770 [g/t] ATRCC 1 2.021988 MANARESE, DISSO/LEG (ULL AS IM) 770 [g/t] ATRCC 1 5.021988 MANARESE, DISSO/LEG (ULL AS IM) 770 [g/t] ATRCC 1 5.021988 MANARESE, DISSO/LEG (ULL AS IM) 780 [g/t] ATRCC 1 1.01198 MANARESE, DISSO/LEG (ULL AS IM) 98 [g/t] ATRCC 1 1.01198 MANARESE, DISSO/LEG (ULL AS IM) 98 [g/t] ATRCC 1 1.22198 MANARESE, DISSO/LEG (ULL AS IM) 100 [g/t] ATRCC 1 1.21198 MANARESE, DISSO/LEG (ULL AS IM) 100 [g/t] ATRCC 1 1.21198 MANARASEE, DISSO/LEG (ULL AS IM) 100 [g/t] <t< td=""><td>ATGC-01</td><td>4/17/1997</td><td></td><td>MANGANESE, DISSOLVED (UG/L AS MN)</td><td>1400</td><td>µg/L</td><td></td></t<> | ATGC-01 | 4/17/1997 | | MANGANESE, DISSOLVED (UG/L AS MN) | 1400 | µg/L | |
| NTGC-11 P1811997 MANGARESE, DISSOLVED (UCL, AS MM) P20 (p)L NTGC-01 Q4211977 MANGARESE, DISSOLVED (UCL, AS MM) 47 (q)L NTGC-01 117101977 MANGARESE, DISSOLVED (UCL, AS MM) 47 (q)L NTGC-01 12711970 MANGARESE, DISSOLVED (UCL, AS MM) 47 (q)L NTGC-01 12711970 MANGARESE, DISSOLVED (UCL, AS MM) 770 (q)L NTGC-01 12711970 MANGARESE, DISSOLVED (UCL, AS MM) 770 (q)L NTGC-01 14719788 MANGARESE, DISSOLVED (UCL, AS MM) 770 (q)L NTGC-01 14719788 MANGARESE, DISSOLVED (UCL, AS MM) 770 (q)L NTGC-01 1471988 MANGARESE, DISSOLVED (UCL, AS MM) 770 (q)L NTGC-01 1471988 MANGARESE, DISSOLVED (UCL, AS MM) 780 (q)L NTGC-01 1471988 MANGARESE, DISSOLVED (UCL, AS MM) 100 (q)L NTGC-01 1471988 MANGARESE, DISSOLVED (UCL, AS MM) 100 (q)L NTGC-01 1471988 MANGARESE, DISSOLVED (UCL, AS MM) 100 (q)L NTGC-01 1471989 MANGARESE, DISSOLVED (UCL, AS MM) 100 (q)L | ATGC-01 | 6/4/1997 | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| NTGC-11 9251997 MANARESE, DISSOLUED (ULL, AS MM) 155 Jugit NTGC-11 1101997 MANCARESE, DISSOLUED (ULL, AS MM) 47 Jugit NTGC-11 127171097 MANCARESE, DISSOLUED (ULL, AS MM) 370 Jugit NTGC-11 127171097 MANCARESE, DISSOLUED (ULL, AS MM) 470 Jugit NTGC-11 1270700 MANCARESE, DISSOLUED (ULL, AS MM) 470 Jugit NTGC-11 47151988 MANCARESE, DISSOLUED (ULL, AS MM) 470 Jugit NTGC-11 47151988 MANCARESE, DISSOLUED (ULL, AS MM) 470 Jugit NTGC-11 47191988 MANCARESE, DISSOLUED (ULL, AS MM) 470 Jugit NTGC-11 4719198 MANCARESE, DISSOLUED (ULL, AS MM) 470 Jugit NTGC-11 1281998 MANCARESE, DISSOLUED (ULL, AS MM) 1100 Jugit NTGC-11 1281998 MANCARESE, DISSOLUED (ULL, AS MM) 1100 Jugit NTGC-11 1281998 MANCARESE, DISSOLUED (ULL, AS MM) 1100 Jugit NTGC-11 1281998 MANCARESE, DISSOLUED (ULL, AS MM) 1100 Jugit NTGC-11 171998 MANCARESE, DISSOLUED (ULL, AS MM) 100 | ATGC-01 | | | | | | |
| TACC-11 11/10/1997 MANAREE DISSOLUE (UCL AS MN) 47 191 NTGC-01 12/11/1997 MANAREE DISSOLUE (UCL AS MN) 150 191 NTGC-01 12/11/1997 MANAREE DISSOLUE (UCL AS MN) 170 191 NTGC-01 12/11/1997 MANAREE DISSOLUE (UCL AS MN) 170 191 NTGC-01 12/21/1980 MANAREE DISSOLUE (UCL AS MN) 450 191 NTGC-01 12/21/1980 MANAREE DISSOLUE (UCL AS MN) 450 191 NTGC-01 17/21/1980 MANAREE DISSOLUE (UCL AS MN) 60 191 NTGC-01 10/11/1980 MANAREE DISSOLUE (UCL AS MN) 60 191 NTGC-01 10/11/1980 MANAREE DISSOLUE (UCL AS MN) 60 191 NTGC-01 10/11/1980 MANAREE DISSOLUE (UCL AS MN) 170 191 NTGC-01 10/11/1980 MANAREE DISSOLUE (UCL AS MN) 170 191 NTGC-01 10/11/1980 MANAREE DISSOLUE (UCL AS MN) 170 191 NTGC-01 10/11/1980 MANAREE DISSOLUE (UCL AS MN) 170 | ATGC-01 | | | | | | |
| NTGC-01 127171997 MAKGANESE, DISSOLVED (UGL, AS MN) 1700 JugL NTGC-01 12201788 MAKGANESE, DISSOLVED (UGL, AS MN) 770 JugL NTGC-01 22201788 MAKGANESE, DISSOLVED (UGL, AS MN) 470 JugL NTGC-01 2201788 MAKGANESE, DISSOLVED (UGL, AS MN) 470 JugL NTGC-01 2201788 MAKGANESE, DISSOLVED (UGL, AS MN) 470 JugL NTGC-01 2201788 MAKGANESE, DISSOLVED (UGL, AS MN) 470 JugL NTGC-01 12201788 MAKGANESE, DISSOLVED (UGL, AS MN) 620 JugL NTGC-01 17221788 MAKGANESE, DISSOLVED (UGL, AS MN) 80 JugL NTGC-01 17221788 MAKGANESE, DISSOLVED (UGL, AS MN) 100 JugL NTGC-01 1721788 MAKGANESE, DISSOLVED (UGL, AS MN) 100 JugL NTGC-01 27171898 MAKGANESE, DISSOLVED (UGL, AS MN) 100 JugL NTGC-01 27171898 MAKGANESE, DISSOLVED (UGL, AS MN) 100 JugL NTGC-01 77171999 MAKGANESE, DISSOLVED (UGL, AS MN) 100 JugL NTGC-01 77171999 MAKGANESE, DISSOLVED (UGL, AS MN) 100 JugL | ATGC-01 | | | | | | |
| ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 1100 pgL ATGC-01 2/27/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 450 pgL ATGC-01 4/15/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 470 pgL ATGC-01 2/27/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 670 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 670 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 700 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 700 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 1000 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 1000 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 1000 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 1000 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 1000 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 600 pgL ATGC-01 1/22/1989 MAKANNEST, DBSOLVED (UGL, AS MN) 600 pgL | | | | | | | |
| ATGC-11 225/1989 MANGANESE, DISSOLVED (UCL, AS MN) 770 pg1. ATGC-11 520/1989 MANGANESE, DISSOLVED (UCL, AS MN) 470 bg1. ATGC-11 520/1989 MANGANESE, DISSOLVED (UCL, AS MN) 870 bg1. ATGC-11 520/1989 MANGANESE, DISSOLVED (UCL, AS MN) 870 bg1. ATGC-11 7724/1989 MANGANESE, DISSOLVED (UCL, AS MN) 60 µJL ATGC-11 1725/1989 MANGANESE, DISSOLVED (UCL, AS MN) 60 µJL ATGC-11 1725/1989 MANGANESE, DISSOLVED (UCL, AS MN) 1000 µJL ATGC-11 1725/1989 MANGANESE, DISSOLVED (UCL, AS MN) 1100 µJL ATGC-11 1725/1989 MANGANESE, DISSOLVED (UCL, AS MN) 1100 µJL ATGC-11 271/1989 MANGANESE, DISSOLVED (UCL, AS MN) 100 µJL ATGC-11 271/1989 MANGANESE, DISSOLVED (UCL, AS MN) 100 µJL ATGC-11 271/1989 MANGANESE, DISSOLVED (UCL, AS MN) 100 µJL ATGC-11 271/1989 MANGANESE, DISSOLVED (UCL, AS MN) 100 µJL ATGC-11 171/1989 MANGANESE, DISSOLVED (UCL, AS MN) 100 µJL | | | | | | 10 | |
| ATGC:01 Aff51989 MANGANESE, DISSOLVED (UGL AS MN) 430 µpL ATGC:01 S2011989 MANGANESE, DISSOLVED (UGL AS MN) 870 µpL ATGC:01 S2011989 MANGANESE, DISSOLVED (UGL AS MN) 870 µpL ATGC:01 S721188 MANGANESE, DISSOLVED (UGL AS MN) 60 µpL ATGC:01 S721188 MANGANESE, DISSOLVED (UGL AS MN) 60 µpL ATGC:01 S721188 MANGANESE, DISSOLVED (UGL AS MN) 60 µpL ATGC:01 S721188 MANGANESE, DISSOLVED (UGL AS MN) 1000 µpL ATGC:01 S7211989 MANGANESE, DISSOLVED (UGL AS MN) 1000 µpL ATGC:01 S7711989 MANGANESE, DISSOLVED (UGL AS MN) 1000 µpL ATGC:01 S7711989 MANGANESE, DISSOLVED (UGL AS MN) 200 µpL ATGC:01 S7711989 MANGANESE, DISSOLVED (UGL AS MN) 1000 µpL ATGC:01 S7711989 MANGANESE, DISSOLVED (UGL AS MN) 1000 µpL ATGC:01 S7711989 MANGANESE, DISSOLVED (UGL AS MN) 1000 µpL ATGC:01 S771199 MANGANESE, DISSOLVED (UGL AS MN) 1000 µL | | | | | | 10 | |
| TGC_01 S201989 MARGANESE, DISSOLVED (UGL AS MN) 470 [upl. TGC_01 F191988 MARGANESE, DISSOLVED (UGL AS MN) F120 [upl. TGC_01 F191988 MARGANESE, DISSOLVED (UGL AS MN) F120 [upl. TGC_01 F191988 MARGANESE, DISSOLVED (UGL AS MN) F120 [upl. TGC_01 F191988 MARGANESE, DISSOLVED (UGL AS MN) F120 [upl. TGC_01 F121188 MARGANESE, DISSOLVED (UGL AS MN) F120 [upl. TGC_01 F1711989 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. TGC_01 F7711999 MARGANESE, DISSOLVED (UGL AS MN) F100 [upl. | | | | | | | |
| NTGC-11 6191998 MANGARESE, DISSQLVED (UGL AS MN) 970 [p]L NTGC-11 75219198 MANGARESE, DISSQLVED (UGL AS MN) 152 [µ]L NTGC-11 77219198 MANGARESE, DISSQLVED (UGL AS MN) 65 [µ]L NTGC-11 172319198 MANGARESE, DISSQLVED (UGL AS MN) 65 [µ]L NTGC-11 172319198 MANGARESE, DISSQLVED (UGL AS MN) 1200 [µ]L NTGC-11 172319199 MANGARESE, DISSQLVED (UGL AS MN) 100 [µ]L NTGC-11 27319199 MANGARESE, DISSQLVED (UGL AS MN) 100 [µ]L NTGC-11 7741999 MANGARESE, DISSQLVED (UGL AS MN) 100 [µ]L NTGC-11 7741999 MANGARESE, DISSQLVED (UGL AS MN) 130 [µ]L NTGC-11 7741999 MANGARESE, DISSQLVED (UGL AS MN) 130 [µ]L NTGC-11 1741999 MANGARESE, DISSQLVED (UGL AS MN) 130 [µ]L NTGC-11 1741999 MANGARESE, DISSQLVED (UGL AS MN) 130 [µ]L NTGC-11 1741999 MANGARESE, DISSQLVED (UGL AS MN) 130 [µ]L NTGC-11 1741999 MANGARESE, DISSQLVED (UGL AS MN) 130 [µ]L <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| ATGC-01 7729-198 MANGANESE, DISSOLVED (UGL AS MN) D10 ppl. ATGC-01 10221798 MANGANESE, DISSOLVED (UGL AS MN) 65 [µpl. ATGC-01 10221798 MANGANESE, DISSOLVED (UGL AS MN) 55 [µpl. ATGC-01 17231798 MANGANESE, DISSOLVED (UGL AS MN) 100 [µpl. ATGC-01 17281798 MANGANESE, DISSOLVED (UGL AS MN) 100 [µpl. ATGC-01 27217198 MANGANESE, DISSOLVED (UGL AS MN) 100 [µpl. ATGC-01 27217198 MANGANESE, DISSOLVED (UGL AS MN) 700 [µpl. ATGC-01 761 [989 MANGANESE, DISSOLVED (UGL AS MN) 200 [µpl. ATGC-01 771 [989 MANGANESE, DISSOLVED (UGL AS MN) 200 [µpl. ATGC-01 1141 [990 MANGANESE, DISSOLVED (UGL AS MN) 400 [µpl. ATGC-01 1141 [990 MANGANESE, DISSOLVED (UGL AS MN) 900 [µpl. ATGC-01 1141 [990 MANGANESE, DISSOLVED (UGL AS MN) 900 [µpl. ATGC-01 1141 [990 MANGANESE, DISSOLVED (UGL AS MN) 900 [µpl. ATGC-01 1141 [990 MANGANESE, DISSOLVED (UGL AS MN) | | | | | | 10 | |
| ATGC-01 91P1798 MANGAMESE, DISSOLVED (UGL AS MA) Step Jul. ATGC-01 17221198 MANGAMESE, DISSOLVED (UGL AS MA) Step Jul. ATGC-01 17231198 MANGAMESE, DISSOLVED (UGL AS MA) 1200 Jpul. ATGC-01 2771198 MANGAMESE, DISSOLVED (UGL AS MA) 1000 Jpul. ATGC-01 2771198 MANGAMESE, DISSOLVED (UGL AS MA) 1000 Jpul. ATGC-01 5771198 MANGAMESE, DISSOLVED (UGL AS MA) 400 Jpul. ATGC-01 5771198 MANGAMESE, DISSOLVED (UGL AS MA) 400 Jpul. ATGC-01 5771198 MANGAMESE, DISSOLVED (UGL AS MA) 100 Jpul. ATGC-01 74711988 MANGAMESE, DISSOLVED (UGL AS MA) 100 Jpul. ATGC-01 114141989 MANGAMESE, DISSOLVED (UGL AS MA) 100 Jpul. ATGC-01 12471598 MANGAMESE, DISSOLVED (UGL AS MA) 400 Jpul. ATGC-01 12471599 MANGAMESE, DISSOLVED (UGL AS MA) 400 Jpul. ATGC-01 12471590 MANGAMESE, DISSOLVED (UGL AS MA) 470 Jpul. ATGC-01 12471590 MANGAMESE, DISSOLVED (UGL AS MA) 1200 Jpul. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| ATGC-01 10/22/1998 MANCANESE, DISSQUYED, UGL, AS MN) SS JpJ. ATGC-01 1/23/1998 MANCANESE, DISSQUYED, UGL, AS MN) SD JpJ. ATGC-01 1/23/1998 MANCANESE, DISSQUYED, UGL, AS MN) 100, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 1100, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 710, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 200, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 200, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 200, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 100, JpJ. ATGC-01 3/27/1998 MANCANESE, DISSQUYED, UGL, AS MN) 100, JpJ. ATGC-01 1/27/2000 MANCANESE, DISSQUYED, UGL, AS MN) 920, JpJ. ATGC-01 1/27/2000 MANCANESE, DISSQUYED, UGL, AS MN) 920, JpJ. ATGC-01 1/27/2000 MANCANESE, DISSQUYED, UGL, AS MN) 920, JpJ. ATGC-01 1/27/2000 MANCANESE, DISSQUYED, UGL, AS MN) <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> <td></td> | | | | | | 10 | |
| ATGC-01 11/23/1989 MANGANESE, DISSOL/ED (JGL, AS MN) 30 jpl ATGC-01 21/71/989 MANGANESE, DISSOL/ED (JGL, AS MN) 1000 jpl ATGC-01 21/71/989 MANGANESE, DISSOL/ED (JGL, AS MN) 1000 jpl ATGC-01 57/71989 MANGANESE, DISSOL/ED (JGL, AS MN) 1000 jpl ATGC-01 57/71989 MANGANESE, DISSOL/ED (JGL, AS MN) 4500 jpl ATGC-01 67/71989 MANGANESE, DISSOL/ED (JGL, AS MN) 200 jpl ATGC-01 17/71989 MANGANESE, DISSOL/ED (JGL, AS MN) 1301 jpl ATGC-01 16/71989 MANGANESE, DISSOL/ED (JGL, AS MN) 4601 jpl ATGC-01 16/71989 MANGANESE, DISSOL/ED (JGL, AS MN) 4601 jpl ATGC-01 16/71980 MANGANESE, DISSOL/ED (JGL, AS MN) 4601 jpl 1 ATGC-01 16/72000 MANGANESE, DISSOL/ED (JGL, AS MN) 900 1 1 ATGC-01 16/72000 MANGANESE, DISSOL/ED (JGL, AS MN) 1200 jpl 1 | | | | | | | |
| TGC-01 128/1996 MANGANESE, DISSOLVED (UGL, AS MN) 1200 gd TGC-01 3/27/17998 MANGANESE, DISSOLVED (UGL, AS MN) 1100 yd TGC-01 3/27/1998 MANGANESE, DISSOLVED (UGL, AS MN) 710 yd TGC-01 7/1998 MANGANESE, DISSOLVED (UGL, AS MN) 710 yd TGC-01 7/1998 MANGANESE, DISSOLVED (UGL, AS MN) 200 yd TGC-01 9/27/1998 MANGANESE, DISSOLVED (UGL, AS MN) 100 yd TGC-01 11/14/1996 MANGANESE, DISSOLVED (UGL, AS MN) 100 yd TGC-01 12/17/1998 MANGANESE, DISSOLVED (UGL, AS MN) 1600 yd TGC-01 12/17/1998 MANGANESE, DISSOLVED (UGL, AS MN) 1600 yd TGC-01 14/12000 MANGANESE, DISSOLVED (UGL, AS MN) 400 yd TGC-01 14/12000 MANGANESE, DISSOLVED (UGL, AS MN) 400 yd TGC-01 14/12000 MANGANESE, DISSOLVED (UGL, AS MN) 120 yd TGC-01 14/ | | | | | | | |
| ATGC-01 2177.1999 MANGANESE, DISSOLVED UGLA, 85 MN) 1100 g/L ATGC-01 577.1999 MANGANESE, DISSOLVED UGLA, 85 MN) 1700 g/L ATGC-01 577.1999 MANGANESE, DISSOLVED UGLA, 85 MN) 450 g/L ATGC-01 677.1999 MANGANESE, DISSOLVED UGLA, 85 MN) 1200 g/L ATGC-01 177.0199 MANGANESE, DISSOLVED UGLA, 85 MN) 1300 g/L ATGC-01 174.1998 MANGANESE, DISSOLVED UGLA, 85 MN) 1600 g/L ATGC-01 174.2000 MANGANESE, DISSOLVED UGLA, 85 MN) 1600 g/L ATGC-01 174.2000 MANGANESE, DISSOLVED UGLA, 85 MN) 1600 g/L ATGC-01 174.2000 MANGANESE, DISSOLVED UGLA, 85 MN) 1500 g/g/L ATGC-01 474.2000 MANGANESE, DISSOLVED UGLA, 85 MN) 1200 g/g/L ATGC-01 174.2000 MANGANESE, DISSOLVED UGLA, 85 MN) 1200 g/g/L ATGC-01 174.2000 MANGANESE, DISSOLVED UGLA, 85 MN) 1200 g/g/L ATGC-01 174.2000 | | | | | | | |
| ATGC-01 3291990 MANGANESE, DISSOLVEP (JGLA, SK MN) T000 [gl. ATGC-01 7/1999 MANGANESE, DISSOLVEP (JGLA, SK MN) 770 [gl. ATGC-01 7/1998 MANGANESE, DISSOLVEP (JGLA, SK MN) 200 [gl. ATGC-01 9/23198 MANGANESE, DISSOLVEP (JGLA, SK MN) 200 [gl. ATGC-01 9/23198 MANGANESE, DISSOLVEP (JGLA, SK MN) 130 [gl. ATGC-01 12/17198 MANGANESE, DISSOLVEP (JGLA, SK MN) 190 [gl. ATGC-01 12/17198 MANGANESE, DISSOLVEP (JGLA, SK MN) 1500 [gl. ATGC-01 12/17198 MANGANESE, DISSOLVEP (JGLA, SK MN) 1500 [gl. ATGC-01 12/17198 MANGANESE, DISSOLVEP (JGLA, SK MN) 670 [gl.] ATGC-01 3/12000 MANGANESE, DISSOLVED (JGLA, SK MN) 670 [gl.] ATGC-01 5/422000 MANGANESE, DISSOLVED (JGLA, SK MN) 1400 [gl.] ATGC-01 16/102200 MANGANESE, DISSOLVED (JGLA, SK MN) 120 [gl.] ATGC-01 16/102200 MANGANESE, DISSOLVED (JGLA, SK MN) 120 [gl.] ATGC-01 16/102200 MANGANESE, DISSOLVED (JGLA, SK MN) | | | | | | 10 | |
| ATGC-01 F/T1099 MANGANESE, DISSOLVED (UGL AS MN) 710 (p)L ATGC-01 P1717999 MANGANESE, DISSOLVED (UGL AS MN) 200 (p)L ATGC-01 P1717999 MANGANESE, DISSOLVED (UGL AS MN) 130 (p)L ATGC-01 P1717999 MANGANESE, DISSOLVED (UGL AS MN) 139 (p)L ATGC-01 11/41799 MANGANESE, DISSOLVED (UGL AS MN) 480 (p)L ATGC-01 12/22000 MANGANESE, DISSOLVED (UGL AS MN) 480 (p)L ATGC-01 12/22000 MANGANESE, DISSOLVED (UGL AS MN) 990 (p)L ATGC-01 4/19/2000 MANGANESE, DISSOLVED (UGL AS MN) 930 (p)L ATGC-01 6/22/2000 MANGANESE, DISSOLVED (UGL AS MN) 470 (p)L ATGC-01 10/2/2000 MANGANESE, DISSOLVED (UGL AS MN) 240 (p)L ATGC-01 10/2/2000 MANGANESE, DISSOLVED (UGL AS MN) 240 (p)L ATGC-01 10/2/2000 MANGANESE, DISSOLVED (UGL AS MN) 2400 (p)L ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 2000 (p)L ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 2000 (p)L | | | | | | | |
| ATGC-01 7/8/1999 MANGANESE, DISSOLVED (JGL AS MN) 450 [pd]. ATGC-01 9/22/1999 MANGANESE, DISSOLVED (JGL AS MN) 130 [pd]. ATGC-01 1/21/1999 MANGANESE, DISSOLVED (JGL AS MN) 130 [pd]. ATGC-01 1/21/1799 MANGANESE, DISSOLVED (JGL AS MN) 1480 [pd]. ATGC-01 1/21/1799 MANGANESE, DISSOLVED (JGL AS MN) 480 [pd]. ATGC-01 1/21/2000 MANGANESE, DISSOLVED (JGL AS MN) 490 [pd]. ATGC-01 4/192000 MANGANESE, DISSOLVED (JGL AS MN) 470 [pd]. ATGC-01 5/242000 MANGANESE, DISSOLVED (JGL AS MN) 470 [pd]. ATGC-01 8/162000 MANGANESE, DISSOLVED (JGL AS MN) 120 [pd]. ATGC-01 1/1/22000 MANGANESE, DISSOLVED (JGL AS MN) 120 [pd]. ATGC-01 1/1/22000 MANGANESE, DISSOLVED (JGL AS MN) 120 [pd]. ATGC-01 1/1/22001 MANGANESE, DISSOLVED (JGL AS MN) 120 [pd]. ATGC-01 1/1/22001 MANGANESE, DISSOLVED (JGL AS MN) 120 [pd]. ATGC-01 1/1/22001 MANGANESE, DISSOLVED (JGL AS MN) | | | | | | | |
| ATGC-01 8/17/199 MANGANESE, DISSOLVED (UGL AS MN) 200 µpl. ATGC-01 11/4/199 MANGANESE, DISSOLVED (UGL AS MN) 190 µpl. ATGC-01 11/4/199 MANGANESE, DISSOLVED (UGL AS MN) 460 µpl. ATGC-01 12/22000 MANGANESE, DISSOLVED (UGL AS MN) 460 µpl. ATGC-01 12/22000 MANGANESE, DISSOLVED (UGL AS MN) 900 µpl. ATGC-01 12/22000 MANGANESE, DISSOLVED (UGL AS MN) 900 µpl. ATGC-01 41/32000 MANGANESE, DISSOLVED (UGL AS MN) 900 µpl. ATGC-01 62/22000 MANGANESE, DISSOLVED (UGL AS MN) 1400 µpl. ATGC-01 10/22000 MANGANESE, DISSOLVED (UGL AS MN) 120 µpl. ATGC-01 10/22000 MANGANESE, DISSOLVED (UGL AS MN) 120 µpl. ATGC-01 11/02001 MANGANESE, DISSOLVED (UGL AS MN) 220 µpl. ATGC-01 11/02001 MANGANESE, DISSOLVED (UGL AS MN) 220 µpl. ATGC-01 11/02001 MANGANESE, DISSOLVED (UGL AS MN) 2300 µpl. ATGC-01 11/02001 MANGANESE, DISSOLVED (UGL AS MN) 2300 µpl. <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>10</td> <td></td> | | | | | - | 10 | |
| ATGC-01 9/221999 MANGANESE, DISSOLVED (UGL AS MN) 130 µpl. ATGC-01 1/27/17199 MANGANESE, DISSOLVED (UGL AS MN) 1400 µpl. ATGC-01 1/27/17199 MANGANESE, DISSOLVED (UGL AS MN) 1600 µpl. ATGC-01 1/27/2000 MANGANESE, DISSOLVED (UGL AS MN) 1600 µpl. ATGC-01 1/12/2000 MANGANESE, DISSOLVED (UGL AS MN) 900 µpl. ATGC-01 1/12/2000 MANGANESE, DISSOLVED (UGL AS MN) 900 µpl. ATGC-01 5/24/2000 MANGANESE, DISSOLVED (UGL AS MN) 1200 µpl. ATGC-01 8/16/2000 MANGANESE, DISSOLVED (UGL AS MN) 1200 µpl. ATGC-01 1/10/2000 MANGANESE, DISSOLVED (UGL AS MN) 1200 µpl. ATGC-01 1/10/2001 MANGANESE, DISSOLVED (UGL AS MN) 1200 µpl. ATGC-01 1/10/2001 MANGANESE, DISSOLVED (UGL AS MN) 2200 µpl. ATGC-01 1/10/2001 MANGANESE, DISSOLVED (UGL AS MN) 220 µpl. ATGC-01 1/10/2001 MANGANESE, DISSOLVED (UGL AS MN) 220 µpl. ATGC-01 1/10/2001 MANGANESE, DISSOLVED (UGL AS MN) 2 | | | | | | | |
| ATGC-01 114/1998 MANCANESE, DISSOLVED (UGR, AS MN) 190 lpg/. ATGC-01 1/26/2000 MANCANESE, DISSOLVED (UGR, AS MN) 1500 lpg/. ATGC-01 1/26/2000 MANCANESE, DISSOLVED (UGR, AS MN) 1500 lpg/. ATGC-01 4/19/2000 MANCANESE, DISSOLVED (UGR, AS MN) 470 lpg/. ATGC-01 4/19/2000 MANCANESE, DISSOLVED (UGR, AS MN) 470 lpg/. ATGC-01 6/22/2000 MANCANESE, DISSOLVED (UGR, AS MN) 470 lpg/. ATGC-01 6/22/2000 MANCANESE, DISSOLVED (UGR, AS MN) 420 lpg/. ATGC-01 10/2/2000 MANCANESE, DISSOLVED (UGR, AS MN) 120 lpg/. ATGC-01 11/1/2001 MANCANESE, DISSOLVED (UGR, AS MN) 230 lpg/. ATGC-01 11/1/2001 MANCANESE, DISSOLVED (UGR, AS MN) 2300 lpg/. ATGC-01 11/1/2001 MANCANESE, DISSOLVED (UGR, AS MN) 2300 lpg/. ATGC-01 11/1/2001 MANCANESE, DISSOLVED (UGR, AS MN) 2300 lpg/. ATGC-01 11/1/2001 MANCANESE, DISSOLVED (UGR, AS MN) 230 lpg/. ATGC-01 11/1/2001 MANCANESE, DISSOLVED (UGR, AS | | | | | | 10 | |
| ATGC-01 12/17/1999 MANGANESE, DISSOLVED (UGL AS MN) 480 (p). ATGC-01 3/12000 MANGANESE, DISSOLVED (UGL AS MN) 1900 (p). ATGC-01 3/12000 MANGANESE, DISSOLVED (UGL AS MN) 990 (p). ATGC-01 3/12000 MANGANESE, DISSOLVED (UGL AS MN) 990 (p). ATGC-01 5/242000 MANGANESE, DISSOLVED (UGL AS MN) 900 (p). ATGC-01 6/222000 MANGANESE, DISSOLVED (UGL AS MN) 240 (p). ATGC-01 6/162000 MANGANESE, DISSOLVED (UGL AS MN) 240 (p). ATGC-01 11/152000 MANGANESE, DISSOLVED (UGL AS MN) 240 (p). ATGC-01 11/152000 MANGANESE, DISSOLVED (UGL AS MN) 260 (p). ATGC-01 11/152001 MANGANESE, DISSOLVED (UGL AS MN) 260 (p). ATGC-01 11/12001 MANGANESE, DISSOLVED (UGL AS MN) 260 (p). ATGC-01 11/12001 MANGANESE, DISSOLVED (UGL AS MN) 260 (p). ATGC-01 11/12001 MANGANESE, DISSOLVED (UGL AS MN) 260 (p). ATGC-01 11/12001 MANGANESE, DISSOLVED (UGL AS MN) 270 (p). <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| ATGC-01 128/2000 MANGANESE, DISSOLVED (UGL AS MN) 1500 [g/L ATGC-01 3/12000 MANGANESE, DISSOLVED (UGL AS MN) 990 [g/L ATGC-01 5/24/200 MANGANESE, DISSOLVED (UGL AS MN) 970 [g/L ATGC-01 5/24/200 MANGANESE, DISSOLVED (UGL AS MN) 930 [g/L ATGC-01 6/22/2000 MANGANESE, DISSOLVED (UGL AS MN) 240 [g/L ATGC-01 10/22/200 MANGANESE, DISSOLVED (UGL AS MN) 1400 [g/L ATGC-01 11/18/2000 MANGANESE, DISSOLVED (UGL AS MN) 240 [g/L ATGC-01 11/18/2000 MANGANESE, DISSOLVED (UGL AS MN) 1500 [g/L ATGC-01 11/18/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [g/L ATGC-01 11/12/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [g/L ATGC-01 11/12/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [g/L ATGC-01 11/12/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [g/L ATGC-01 11/12/2002 MANGANESE, DISSOLVED (UGL AS MN) 820 [g/L ATGC-01 11/12/2002 MANGANESE, DISSOLVED (UGL AS MN) 1200 | | | | | | | |
| ATGC-01 31/12000 MANGANESE, DISSOLVED (UGL AS MN) 990 pgl. ATGC-01 524/2000 MANGANESE, DISSOLVED (UGL AS MN) 930 pgl. ATGC-01 524/2000 MANGANESE, DISSOLVED (UGL AS MN) 930 pgl. ATGC-01 62/2200 MANGANESE, DISSOLVED (UGL AS MN) 1400 pgl. ATGC-01 61/2200 MANGANESE, DISSOLVED (UGL AS MN) 200 pgl. ATGC-01 10/2200 MANGANESE, DISSOLVED (UGL AS MN) 200 pgl. ATGC-01 11/15/200 MANGANESE, DISSOLVED (UGL AS MN) 620 pgl. ATGC-01 11/15/200 MANGANESE, DISSOLVED (UGL AS MN) 620 pgl. ATGC-01 11/15/200 MANGANESE, DISSOLVED (UGL AS MN) 620 pgl. ATGC-01 7/26/2001 MANGANESE, DISSOLVED (UGL AS MN) 140 pgl. ATGC-01 11/17/2001 MANGANESE, DISSOLVED (UGL AS MN) 100 pgl. ATGC-01 11/17/2001 MANGANESE, DISSOLVED (UGL AS MN) 100 pgl. ATGC-01 22/17/2002 MANGANESE, DISSOLVED (UGL AS MN) 100 pgl. ATGC-01 32/02000 MANGANESE, DISSOLVED (UGL AS MN) 200 pgl. | | | | | | | |
| ATGC-01 4/19/2000 MANGANESE, DISSOLVED (UGL AS MN) 470 9/0 ATGC-01 5/24/200 MANGANESE, DISSOLVED (UGL AS MN) 1400 9/0 ATGC-01 6/22/200 MANGANESE, DISSOLVED (UGL AS MN) 1400 9/0 ATGC-01 6/22/200 MANGANESE, DISSOLVED (UGL AS MN) 240 9/0 ATGC-01 11/15/2000 MANGANESE, DISSOLVED (UGL AS MN) 420 0/0 ATGC-01 11/16/2001 MANGANESE, DISSOLVED (UGL AS MN) 420 0/0 ATGC-01 11/16/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 0/0 ATGC-01 11/16/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 0/0 ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 160 0/0 ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 170 0/0 0/0 ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 1700 0/0 0/0 ATGC-01 12/2/2002 MANGANESE, DISSOLVED (UGL AS MN) 1700 0/0 0/0 0/0 < | | | | | | | |
| ATGC-01 57/4/2000 MANGANESE, DISSOLVED (UGL AS MN) 930 pg/L ATGC-01 67/2/2000 MANGANESE, DISSOLVED (UGL AS MN) 1400 pg/L ATGC-01 10/2/2000 MANGANESE, DISSOLVED (UGL AS MN) 2/0 pg/L ATGC-01 10/2/2000 MANGANESE, DISSOLVED (UGL AS MN) 2/0 pg/L ATGC-01 11/15/200 MANGANESE, DISSOLVED (UGL AS MN) 4/20 pg/L ATGC-01 1/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 8/20 pg/L ATGC-01 1/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 8/0 pg/L ATGC-01 1/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 2/0 0 pg/L ATGC-01 1/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 1/0 µg/L ATGC-01 1/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 1/0 µg/L ATGC-01 2/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 2/0 0 µg/L ATGC-01 2/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 2/0 0 µg/L ATGC-01 4/2/2002 MANGANESE, DISSOLVED (UGL AS MN) 2/0 0 µg/L ATGC-01 4/2/2002 MANGANESE, DISSOLVED (UGL AS MN) 3/0 µ | | | | | | | |
| ATGC-01 6/22/2000 MANGARESE, DISSOLVED (UGL AS MN) 1400 [pd]. ATGC-01 8/18/2000 MANGARESE, DISSOLVED (UGL AS MN) 240 [pd]. ATGC-01 11/15/2000 MANGARESE, DISSOLVED (UGL AS MN) 120 [pd]. ATGC-01 11/16/2000 MANGARESE, DISSOLVED (UGL AS MN) 420 [pd]. ATGC-01 11/16/2001 MANGARESE, DISSOLVED (UGL AS MN) 820 [pd]. ATGC-01 41/19/2001 MANGARESE, DISSOLVED (UGL AS MN) 820 [pd]. ATGC-01 11/1/2001 MANGARESE, DISSOLVED (UGL AS MN) 140 [pd]. ATGC-01 11/1/2002 MANGARESE, DISSOLVED (UGL AS MN) 140 [pd]. ATGC-01 11/1/2002 MANGARESE, DISSOLVED (UGL AS MN) 1700 [pd]. ATGC-01 11/1/2002 MANGARESE, DISSOLVED (UGL AS MN) 220 [pd]. ATGC-01 11/1/2002 MANGARESE, DISSOLVED (UGL AS MN) 220 [pd]. ATGC-01 6/4/2002 MANGARESE, DISSOLVED (UGL AS MN) 220 [pd]. ATGC-01 7/15/2002 MANGARESE, DISSOLVED (UGL AS MN) 900 [pd]. ATGC-01 7/15/2002 MANGARESE, DISSOLVED (UGL AS MN) | | | | | | | |
| ATGC-01 6/162/000 MANGANESE, DISSOLVED (UGL AS MN) 240 [µJL ATGC-01 110/22000 MANGANESE, DISSOLVED (UGL AS MN) 120 [µJL ATGC-01 11/162000 MANGANESE, DISSOLVED (UGL AS MN) 420 [µJL ATGC-01 11/162001 MANGANESE, DISSOLVED (UGL AS MN) 820 [µJL ATGC-01 7/26/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [µJL ATGC-01 7/26/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [µJL ATGC-01 7/26/2001 MANGANESE, DISSOLVED (UGL AS MN) 810 [µJL ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 810 [µJL ATGC-01 12/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 820 [µJL ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UGL AS MN) 220 [µJL ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL </td <td>ATGC-01</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | ATGC-01 | | | | | | |
| ATGC-01 102/2000 MANGANESE, DISSOLVED (UGL AS MN) 120 [µJL ATGC-01 11/18/2000 MANGANESE, DISSOLVED (UGL AS MN) 400 [µJL ATGC-01 11/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 1500 [µJL ATGC-01 4/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [µJL ATGC-01 7/26/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 [µJL ATGC-01 9/4/2001 MANGANESE, DISSOLVED (UGL AS MN) 140 [µJL ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 1700 [µJL ATGC-01 11/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 1700 [µJL ATGC-01 11/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 220 [µJL ATGC-01 3/202002 MANGANESE, DISSOLVED (UGL AS MN) 2300 [µJL ATGC-01 3/20202 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL ATGC-01 7/3/2003 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL ATGC-01 1/3/2003 MANGANESE, DISSOLVED (UGL AS MN) 900 [µJL <td>ATGC-01</td> <td></td> <td></td> <td>MANGANESE, DISSOLVED (UG/L AS MN)</td> <td></td> <td></td> <td></td> | ATGC-01 | | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| ATGC-01 1/10/2001 MANGANESE, DISSOLVED (UGL AS MN) 1500 jul ATGC-01 4/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 jul ATGC-01 3/42001 MANGANESE, DISSOLVED (UGL AS MN) 23000 jul ATGC-01 3/42001 MANGANESE, DISSOLVED (UGL AS MN) 140 jul ATGC-01 11/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 140 jul ATGC-01 11/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 800 jul ATGC-01 11/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 800 jul ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UGL AS MN) 200 jul ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UGL AS MN) 100 jul ATGC-01 6/42/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 jul ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 jul ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 jul ATGC-01 1/3/2003 MANGANESE, DISSOL | ATGC-01 | 10/2/2000 | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| ATGC-01 4/19/2001 MANGANESE, DISSOLVED (UGL AS MN) 820 µg/L ATGC-01 7/26/2001 MANGANESE, DISSOLVED (UGL AS MN) 23000 µg/L ATGC-01 9/4/2001 MANGANESE, DISSOLVED (UGL AS MN) 810 µg/L ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 810 µg/L ATGC-01 11/1/2002 MANGANESE, DISSOLVED (UGL AS MN) 830 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UGL AS MN) 830 µg/L ATGC-01 3/20/2002 MANGANESE, DISSOLVED (UGL AS MN) 830 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L ATGC-01 1/3/20/200 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L ATGC-01 1/3/2/2003 MANGANESE, DISSOLVED (UGL AS MN) 910 µg/L ATGC-01 3/2/2003 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L ATGC-01 3/2/2003 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L <td>ATGC-01</td> <td>11/15/2000</td> <td></td> <td>MANGANESE, DISSOLVED (UG/L AS MN)</td> <td>420</td> <td>µg/L</td> <td></td> | ATGC-01 | 11/15/2000 | | MANGANESE, DISSOLVED (UG/L AS MN) | 420 | µg/L | |
| ATGC-01 7/86/201 MANGANESE, DISSOLVED (UGL AS MN) 23000 µg/L ATGC-01 9/4/2001 MANGANESE, DISSOLVED (UGL AS MN) 140 µg/L ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UGL AS MN) 1810 µg/L ATGC-01 11/17/2002 MANGANESE, DISSOLVED (UGL AS MN) 1830 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UGL AS MN) 830 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UGL AS MN) 220 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UGL AS MN) 200 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UGL AS MN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UGL AS MN) 300 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UGL AS MN) 300 µg/L ATGC-01 3/19/2003 MANGANESE, DISSOLVED (UGL AS MN) 100 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UGL AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UGL AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UGL AS MN) 700 µg/L </td <td>ATGC-01</td> <td>1/10/2001</td> <td></td> <td>MANGANESE, DISSOLVED (UG/L AS MN)</td> <td>1500</td> <td>µg/L</td> <td></td> | ATGC-01 | 1/10/2001 | | MANGANESE, DISSOLVED (UG/L AS MN) | 1500 | µg/L | |
| ATGC-01 9/4/2001 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UG/L AS MN) 810 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UG/L AS MN) 830 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UG/L AS MN) 830 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS MN) 220 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 1/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 640 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 640 µg/L ATGC-01 6/18/2003 <t< td=""><td>ATGC-01</td><td>4/19/2001</td><td></td><td>MANGANESE, DISSOLVED (UG/L AS MN)</td><td>820</td><td>µg/L</td><td></td></t<> | ATGC-01 | 4/19/2001 | | MANGANESE, DISSOLVED (UG/L AS MN) | 820 | µg/L | |
| ATGC-01 11/1/2001 MANGANESE, DISSOLVED (UG/L AS NN) B10 µg/L ATGC-01 1/17/2002 MANGANESE, DISSOLVED (UG/L AS NN) B20 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UG/L AS NN) B20 µg/L ATGC-01 3/20/2002 MANGANESE, DISSOLVED (UG/L AS NN) 220 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS NN) 1200 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS NN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS NN) 900 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS NN) 900 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS NN) 1000 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS NN) 800 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS NN) 640 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS NN) 640 µg/L ATGC-01 8/7/2003 | ATGC-01 | 7/26/2001 | | MANGANESE, DISSOLVED (UG/L AS MN) | 23000 | µg/L | |
| ATGC-01 1/17/2002 MANGANESE, DISSOLVED (UG/L AS MN) 1700 µg/L ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UG/L AS MN) 830 µg/L ATGC-01 3/20/2002 MANGANESE, DISSOLVED (UG/L AS MN) 220 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS MN) 1200 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 1/30/2003 MANGANESE, DISSOLVED (UG/L AS MN) 1100 µg/L ATGC-01 3/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 3/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 100 µg/L ATGC-01 5/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/14/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/1/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/1/2003 MANGANESE, DISSOLVED (UG/L AS MN) | ATGC-01 | 9/4/2001 | | MANGANESE, DISSOLVED (UG/L AS MN) | 140 | µg/L | |
| ATGC-01 2/21/2002 MANGANESE, DISSOLVED (UG/L AS MN) 830 µg/L ATGC-01 3/20/2002 MANGANESE, DISSOLVED (UG/L AS MN) 220 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS MN) 1200 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 1/3/0/2003 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 980 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) | ATGC-01 | 11/1/2001 | | | 810 | µg/L | |
| ATGC-01 3/20/2002 MANGANESE, DISSOLVED (UG/L AS MN) 220 µg/L ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 880 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 640 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 260 µg/L ATGC-01 11/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) < | ATGC-01 | 1/17/2002 | | | | | |
| ATGC-01 4/24/2002 MANGANESE, DISSOLVED (UG/L AS MN) 1200 µg/L ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 13/0/2003 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 3/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 3/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 3/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 6/1/8/2003 MANGANESE, DISSOLVED (UG/L AS MN) 400 µg/L ATGC-01 8/1/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 8/1/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/1/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 210 µg/L ATGC-01 10/1/8/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) <td< td=""><td></td><td></td><td></td><td></td><td></td><td>10</td><td></td></td<> | | | | | | 10 | |
| ATGC-01 6/4/2002 MANGANESE, DISSOLVED (UG/L AS MN) 900 µg/L ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 1/30/2003 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 880 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 640 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 8/17/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 1/1/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) <t< td=""><td></td><td></td><td></td><td></td><td></td><td>10</td><td></td></t<> | | | | | | 10 | |
| ATGC-01 7/15/2002 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 1/30/2003 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 100 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 11/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 260 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) | | | | | | | |
| ATGC-01 8/19/2002 MANGANESE, DISSOLVED (UG/L AS MN) 97 µg/L ATGC-01 1/30/2003 MANGANESE, DISSOLVED (UG/L AS MN) 1100 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 880 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 11/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 80 µg/L ATGC-01 6/19/2004 | | | | | | 10 | |
| ATGC-01 1/30/2003 MANGANESE, DISSOLVED (UG/L AS MN) 1100 µg/L ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 880 µg/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 460 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/14/2004 | | | | | | | |
| ATGC-01 3/5/2003 MANGANESE, DISSOLVED (UG/L AS MN) 880 ug/L ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/17/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 210 µg/L ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 11/18/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 21/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 | | | | | | | |
| ATGC-01 3/26/2003 MANGANESE, DISSOLVED (UG/L AS MN) 700 µg/L ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 640 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 11/14/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/1/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/1/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 830 µg/L ATGC-01 8/11/2004 | | | | | | | |
| ATGC-01 5/6/2003 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 460 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 11/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 80 µg/L ATGC-01 6/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 80 µg/L ATGC-01 6/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 80 µg/L ATGC-01 6/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/16/2004 | | | | | | | |
| ATGC-01 6/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 460 µg/L ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 1/1/4/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 380 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 330 µg/L ATGC-01 8/1/2004 MANGANESE, DISSOLVED (UG/L AS MN) 300 µg/L ATGC-01 9/9/2004 | | | | | | | |
| ATGC-01 8/7/2003 MANGANESE, DISSOLVED (UG/L AS MN) 200 µg/L ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 110 µg/L ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 266 µg/L ATGC-01 11/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 280 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 830 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 1/27/2004 | | | | | | 1 8 | |
| ATGC-01 9/4/2003 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 110 µg/L ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/1/18/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 480 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 38 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 | | | | | | | |
| ATGC-01 10/15/2003 MANGANESE, DISSOLVED (UG/L AS MN) 110 µg/L ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 480 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 383 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 | | | | | | | |
| ATGC-01 11/18/2003 MANGANESE, DISSOLVED (UG/L AS MN) 26 µg/L ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 480 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 380 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 8/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 1/2/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/2/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/2/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) | | | | | | | |
| ATGC-01 1/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 800 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 480 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 | | | | | | | |
| ATGC-01 2/19/2004 MANGANESE, DISSOLVED (UG/L AS MN) 780 µg/L ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 480 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) | | | | | | | |
| ATGC-01 4/14/2004 MANGANESE, DISSOLVED (UG/L AS MN) 480 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 2/24/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) < | ATGC-01 | | | | | 10 | 1 |
| ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 360 µg/L ATGC-01 5/12/2004 MANGANESE, DISSOLVED (UG/L AS MN) 381 µg/L ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 831 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) | ATGC-01 | | | | | | 1 |
| ATGC-01 6/9/2004 MANGANESE, DISSOLVED (UG/L AS MN) 83 µg/L ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) | ATGC-01 | | | | | 10 | |
| ATGC-01 8/11/2004 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 | ATGC-01 | | | | | 10 | |
| ATGC-01 9/8/2004 MANGANESE, DISSOLVED (UG/L AS MN) 140 µg/L ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 2/24/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 9/15/2005 | ATGC-01 | | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| ATGC-01 10/27/2004 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 2/24/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L | ATGC-01 | | | | | | |
| ATGC-01 12/20/2004 MANGANESE, DISSOLVED (UG/L AS MN) 960 µg/L ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 2/24/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 2/24/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L | ATGC-01 | | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| ATGC-01 1/27/2005 MANGANESE, DISSOLVED (UG/L AS MN) 970 µg/L ATGC-01 2/24/2005 MANGANESE, DISSOLVED (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L | ATGC-01 | 12/20/2004 | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| ATGC-01 4/13/2005 MANGANESE, DISSOLVED (UG/L AS MN) 720 µg/L ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L | ATGC-01 | 1/27/2005 | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| ATGC-01 5/23/2005 MANGANESE, DISSOLVED (UG/L AS MN) 310 µg/L ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L | ATGC-01 | 2/24/2005 | | MANGANESE, DISSOLVED (UG/L AS MN) | 1000 | µg/L | |
| ATGC-01 6/29/2005 MANGANESE, DISSOLVED (UG/L AS MN) 540 µg/L ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L | ATGC-01 | 4/13/2005 | | | 720 | µg/L | |
| ATGC-01 7/20/2005 MANGANESE, DISSOLVED (UG/L AS MN) 190 µg/L ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L | ATGC-01 | 5/23/2005 | | MANGANESE, DISSOLVED (UG/L AS MN) | 310 | µg/L | |
| ATGC-01 9/15/2005 MANGANESE, DISSOLVED (UG/L AS MN) 240 µg/L | ATGC-01 | 6/29/2005 | | MANGANESE, DISSOLVED (UG/L AS MN) | | | |
| | ATGC-01 | | | | 190 | µg/L | |
| ATGC-01 10/31/2005 MANGANESE, DISSOLVED (UG/L AS MN) 130 µg/L | ATGC-01 | 9/15/2005 | | | | | |
| | ATGC-01 | 10/31/2005 | | MANGANESE, DISSOLVED (UG/L AS MN) | 130 | µg/L | |

| TGC-01 156206 MAKAKESE, DSSOURD, ILOLA & MAY 985 [p]. VIGC-1 377190 MAKAKESE, TOTAL, IGAL & MAY 1477 [p]. VIGC-1 377190 MAKAKESE, TOTAL, IGAL & MAY 1477 [p]. VIGC-1 377190 MAKAKESE, TOTAL, IGAL & MAY 1477 [p]. VIGC-1 147990 MAKAKESE, TOTAL, IGAL & MAY 1782 [p]. VIGC-1 147990 MAKAKESE, TOTAL, IGAL & MAY 1782 [p]. VIGC-1 147990 MAKAKESE, TOTAL, IGAL & MAY 1782 [p]. VIGC-1 147990 MAKAKESE, TOTAL, IGAL & MAY 1782 [p]. VIGC-1 147990 MAKAKESE, TOTAL, IGAL & MAY 1785 [p]. VIGC-1 1479790 MAKAKESE, TOTAL, IGAL & MAY 1785 [p]. VIGC-1 1479790 MAKAKESE, TOTAL, IGAL & MAY 1785 [p]. VIGC-1 1479790 MAKAKESE, TOTAL, IGAL & MAY 1786 [p]. VIGC-1 1471991 MAKAKESE, TOTAL, IGAL & MAY 1786 [p]. VIGC-1 1471991 MAKAKESE, TOTAL, IGAL & MAY 1786 [p]. VIGC-1 1471991 MAKAKESE, TOTAL, IGAL | O(a) and ID | L Data | Ormula Double Demonster | Descrit Malaza | 11 | Demonto Ocolo |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-------------------------------|----------------|------|---------------|
| ATGC-01 12571990 MARARESE, TOTAL LIGKA AS MN) 1777 [p]_ ATGC-01 2771990 MARARESE, TOTAL LIGKA AS MN) 1607 [p]_ ATGC-01 47117160 MARARESE, TOTAL LIGKA AS MN) 1607 [p]_ ATGC-01 47117160 MARARESE, TOTAL LIGKA AS MN) 1600 [p]_ ATGC-01 72417980 MARARESE, TOTAL LIGKA AS MN) 4600 [p]_ ATGC-01 72417980 MARARESE, TOTAL LIGKA AS MN) 4600 [p]_ ATGC-01 170607 M0 MARARESE, TOTAL LIGKA AS MN) 360 [p]_ ATGC-01 1707091 MARARESE, TOTAL LIGKA AS MN) 1701 [p]_ ATGC-01 1707991 MARARESE, TOTAL LIGKA AS MN) 1701 [p]_ ATGC-01 971991 MARARESE, TOTAL LIGKA AS MN) 1500 [p]_ ATGC-01 971991 MARARESE, TOTAL LIGKA AS MN) 1500 [p]_ ATGC-01 971991 MARARESE, TOTAL LIGKA AS MN) 1500 [p]_ ATGC-01 971991 MARARESE, TOTAL LIGKA AS MN) 1500 [p]_ ATGC-01 971991 MARARESE, TOTAL LIGKA AS MN) 1500 [p]_ ATGC-01 971991 <td>Station ID</td> <td>Date</td> <td>Sample Depth Parameter</td> <td></td> <td></td> <td>Remark Code</td> | Station ID | Date | Sample Depth Parameter | | | Remark Code |
| AIGC-01 377/1980 MAXARSE, TOTAL (GR. AS MA) 1407 pc1 AIGC-01 417/1960 MAXARSE, TOTAL (GR. AS MA) 860 pc1 AIGC-01 417/1960 MAXARSE, TOTAL (GR. AS MA) 772 pc3 AIGC-01 547/1970 MAXARSE, TOTAL (GR. AS MA) 400 pc1 AIGC-01 727 pc3 MAXARSE, TOTAL (GR. AS MA) 400 pc1 AIGC-01 727 pc3 MAXARSE, TOTAL (GR. AS MA) 772 pc3 AIGC-01 727 pc3 MAXARSE, TOTAL (GR. AS MA) 775 pc3 AIGC-01 727 pc3 MAXARSE, TOTAL (GR. AS MA) 775 pc3 AIGC-01 727 pc3 MAXARSE, TOTAL (GR. AS MA) 775 pc3 AIGC-01 747 pc3 MAXARSE, TOTAL (GR. AS MA) 750 pc1 AIGC-01 747 pc3 MAXARSE, TOTAL (GR. AS MA) 750 pc1 AIGC-01 747 pc3 MAXARSE, TOTAL (GR. AS MA) 750 pc1 AIGC-01 747 pc3 MAXARSE, TOTAL (GR. AS MA) 750 pc1 AIGC-01 747 pc3 MAXARSE, TOTAL (GR. AS MA) 750 pc1 AIGC-01 747 pc3 MAXARSE, TOTAL (GR. AS MA) | | | | | | |
| ATEC-01 4119790 MANDARESE, TOTAL, IGAL AS INO, 880 bpL ATEC-01 6141750 MANDARESE, TOTAL, IGAL AS INO, 792 bpL ATEC-01 6141750 MANDARESE, TOTAL, IGAL AS INO, 792 bpL ATEC-01 6141750 MANDARESE, TOTAL, IGAL AS INO, 792 bpL ATEC-01 19207980 MANDARESE, TOTAL, IGAL AS INO, 792 bpL ATEC-01 19207980 MANDARESE, TOTAL, IGAL AS INO, 792 bpL ATEC-01 19207980 MANDARESE, TOTAL, IGAL AS INO, 791 bpL ATEC-01 1907990 MANDARESE, TOTAL, IGAL AS INO, 791 bpL ATEC-01 1971990 MANDARESE, TOTAL, IGAL AS INO, 791 bpL ATEC-01 7179190 MANDARESE, TOTAL, IGAL AS INO, 790 bpL ATEC-01 7179190 MANDARESE, TOTAL, IGAL AS INO, 790 bpL ATEC-01 7179190 MANDARESE, TOTAL, IGAL AS INO, 790 bpL ATEC-01 771990 MANDARESE, TOTAL, IGAL AS INO, 790 bpL ATEC-01 791 bpL MANDARESE, TOTAL, IGAL AS INO, 790 bpL ATEC-01 771 bpL< | | | | | | |
| ATGC-1 F141980 MANARMESE TOTAL (JOLK AS MA) 177 jul ATGC-1 6741980 MANARMESE TOTAL (JOLK AS MA) 1639 jul ATGC-1 7741780 MARARMESE TOTAL (JOLK AS MA) 1639 jul ATGC-1 7741780 MARARMESE TOTAL (JOLK AS MA) 1639 jul ATGC-1 12291780 MARARMESE TOTAL (JOLK AS MA) 1789 jul ATGC-1 12091781 MARARMESE TOTAL (JOLK AS MA) 1789 jul ATGC-1 12091781 MARARMESE TOTAL (JOLK AS MA) 1789 jul ATGC-1 1797891 MARARMESE TOTAL (JOLK AS MA) 3789 jul ATGC-1 1797891 MARARMESE TOTAL (JOLK AS MA) 379 jul ATGC-1 1797891 MARARMESE TOTAL (JOLK AS MA) 389 jul ATGC-1 1797891 MARARMESE TOTAL (JOLK AS MA) 169 jul< | | | | | | |
| ATGC-11 724-1980 MANGANESE TOTAL (JORA AS NM) 440 pp1 ATGC-11 07101980 MANGANESE TOTAL (JORA AS NM) 3580 pp1 ATGC-11 07101980 MANGANESE TOTAL (JORA AS NM) 1580 pp1 ATGC-11 1711990 MANGANESE TOTAL (JORA AS NM) 1511 pp1 ATGC-11 1711991 MANGANESE TOTAL (JORA AS NM) 1511 pp1 ATGC-11 1711991 MANGANESE TOTAL (JORA AS NM) 1500 pp1 ATGC-11 1711991 MANGANESE TOTAL (JORA AS NM) 1500 pp1 ATGC-11 1711991 MANGANESE TOTAL (JORA AS NM) 2500 pp1 ATGC-11 1711991 MANGANESE TOTAL (JORA AS NM) 1400 pp1 1711 ATGC-11 1711910 MANGANESE TOTAL (JORA AS NM) 1400 pp1 1711 ATGC-11 1711910 MANGANESE TOTAL (JORA AS NM) 1400 pp1 1711 ATGC-11 1711910 MANGANESE TOTAL (JORA AS NM) 1400 pp1 1711 171111 1711111 1711111 | ATGC-01 | 5/14/1990 | | | | |
| ATGC-01 9111990 MAMARARES, TOTAL (LORA AS MN) 1939 ph. ATGC-01 5000 mp. MAMARARES, TOTAL (LORA AS MN) 1600 mp. ATGC-01 5000 mp. MAMARARES, TOTAL (LORA AS MN) 1610 mp. ATGC-01 5000 mp. MAMARARES, TOTAL (LORA AS MN) 1610 mp. ATGC-01 5000 mp. MAMARARES, TOTAL (LORA AS MN) 1939 mp. ATGC-01 5119 MP. MAMARARES, TOTAL (LORA AS MN) 1939 mp. ATGC-01 5119 MP. MAMARARES, TOTAL (LORA AS MN) 1939 mp. ATGC-01 5119 MP. MAMARARES, TOTAL (LORA AS MN) 1930 mp. ATGC-01 5119 MP. MAMARARES, TOTAL (LORA AS MN) 151 mp. ATGC-01 1719 MP. MAMARARES, TOTAL (LORA AS MN) 1100 mp. ATGC-01 1719 MP. MAMARARES, TOTAL (LORA AS MN) 1100 mp. ATGC-01 1719 MP. MAMARARES, TOTAL (LORA AS MN) 1400 mp. ATGC-01 1719 MP. MAMARARES, TOTAL (LORA AS MN) 1400 mp. ATGC-01 1719 MP. MAMARARES, TOTAL (LORA AS MN) 1400 mp. ATGC-0 | ATGC-01 | 6/14/1990 | MANGANESE, TOTAL (UG/L AS MN) | 1393 | µg/L | |
| TATGC-11 1030/1900 MANGANESE, TOTAL (LOCA, AS MN) 200 pg/L ATGC-01 120/1900 MANGANESE, TOTAL (LOCA, AS MN) 1130 pg/L ATGC-01 120/1901 MANGANESE, TOTAL (LOCA, AS MN) 1131 pg/L ATGC-01 120/1901 MANGANESE, TOTAL (LOCA, AS MN) 1131 pg/L ATGC-01 127/1901 MANGANESE, TOTAL (LOCA, AS MN) 1200 pg/L ATGC-01 97/1901 MANGANESE, TOTAL (LOCA, AS MN) 220 pg/L ATGC-01 97/1901 MANGANESE, TOTAL (LOCA, AS MN) 220 pg/L ATGC-01 97/1901 MANGANESE, TOTAL (LOCA, AS MN) 1151 pg/L ATGC-01 97/1901 MANGANESE, TOTAL (LOCA, AS MN) 1100 pg/L ATGC-01 17/71901 MANGANESE, TOTAL (LOCA, AS MN) 1100 pg/L ATGC-01 127/1901 MANGANESE, TOTAL (LOCA, AS MN) 1100 pg/L ATGC-01 127/1901 MANGANESE, TOTAL (LOCA, AS MN) 1100 pg/L ATGC-01 127/1901 MANGANESE, TOTAL (LOCA, AS MN) 1100 pg/L ATGC-01 127/1901 MANGANESE, TOTAL (LOCA, AS MN) 1100 pg/L <t< td=""><td>ATGC-01</td><td>7/24/1990</td><td>MANGANESE, TOTAL (UG/L AS MN)</td><td>400</td><td>µg/L</td><td></td></t<> | ATGC-01 | 7/24/1990 | MANGANESE, TOTAL (UG/L AS MN) | 400 | µg/L | |
| TAGC-01 122201980 MANGAMESE, TOTAL (LORA, AS MN) 1199 ppl. TAGC-01 1091991 MANGAMESE, TOTAL (LORA, AS MN) 1511 ppl. TAGC-01 2471891 MANGAMESE, TOTAL (LORA, AS MN) 1550 ppl. TAGC-01 447891 MANGAMESE, TOTAL (LORA, AS MN) 1550 ppl. TAGC-01 447891 MANGAMESE, TOTAL (LORA, AS MN) 2500 ppl. TAGC-01 7171991 MANGAMESE, TOTAL (LORA, AS MN) 2500 ppl. TAGC-01 7171991 MANGAMESE, TOTAL (LORA, AS MN) 1600 ppl. TAGC-01 7171991 MANGAMESE, TOTAL (LORA, AS MN) 1100 ppl. TAGC-01 72911991 MANGAMESE, TOTAL (LORA, AS MN) 1100 ppl. TAGC-01 72911992 MANGAMESE, TOTAL (LORA, AS MN) 1100 ppl. TAGC-11 72911992 MANGAMESE, TOTAL (LORA, AS MN) 1100 ppl. TAGC-11 72911992 MANGAMESE, TOTAL (LORA, AS MN) 1100 ppl. TAGC-11 72911992 MANGAMESE, TOTAL (LORA, AS MN) | ATGC-01 | 9/11/1990 | | 1392 | µg/L | |
| ATGC-01 17301991 MANGANESE, TOTAL (UGL AS MA) 12811991 ATGC-01 971091 MANGANESE, TOTAL (UGL AS MA) 10511991 ATGC-01 971091 MANGANESE, TOTAL (UGL AS MA) 1000 [pd.] ATGC-01 971091 MANGANESE, TOTAL (UGL AS MA) 000 [pd.] ATGC-01 971091 MANGANESE, TOTAL (UGL AS MA) 000 [pd.] ATGC-01 971091 MANGANESE, TOTAL (UGL AS MA) 000 [pd.] ATGC-01 971091 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 177179101 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 177179102 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 177178102 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 2771820 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 971892 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 971892 MANGANESE, TOTAL (UGL AS MA) 100 [pd.] ATGC-01 971892 MANGANESE, TOTAL (UGL AS MA) 110 [pd.] ATGC-01 971892 | ATGC-01 | | | | | |
| ATGC-01 97/1991 MARGANESE, TOTAL (LOGL AS MN) 1511 [Jp]L ATGC-01 97/1991 MARGANESE, TOTAL (LOGL AS MN) 1000 Jp]L ATGC-01 97/1991 MARGANESE, TOTAL (LOGL AS MN) 1000 Jp]L ATGC-01 71/1916 MARGANESE, TOTAL (LOGL AS MN) 280 Jp]L ATGC-01 71/1916 MARGANESE, TOTAL (LOGL AS MN) 280 Jp]L ATGC-01 71/1916 MARGANESE, TOTAL (LOGL AS MN) 1000 Jp]L ATGC-01 122/19192 MARGANESE, TOTAL (LOGL AS MN) 1100 Jp]L ATGC-01 122/19192 MARGANESE, TOTAL (LOGL AS MN) 1100 Jp]L ATGC-01 22/1912 MARGANESE, TOTAL (LOGL AS MN) 1100 JpL ATGC-01 22/192 MARGANESE, TOTAL (LOGL AS MN) 1100 JpL ATGC-01 82/192 MARGANESE, TOTAL (LOGL AS MN) 1000 JpL ATGC-01 82/192 MARGANESE, TOTAL (LOGL AS MN) 1000 JpL ATGC-01 82/192 MARGANESE, TOTAL (LOGL AS MN) 1000 JpL ATGC-01 82/192 MARGANESE, TOTAL (LOGL AS MN) 1000 JpL ATGC-01 12/1 | | | | | | |
| ATGC-01 449199 MANGANESE, TOTAL (UGL AS MN) 1965 [ps]L ATGC-01 ST191891 MANGANESE, TOTAL (UGL AS MN) 300 [ps]L ATGC-01 ST191891 MANGANESE, TOTAL (UGL AS MN) 300 [ps]L ATGC-01 ST191891 MANGANESE, TOTAL (UGL AS MN) 301 [ps]L ATGC-01 TT191891 MANGANESE, TOTAL (UGL AS MN) 105 [ps]L ATGC-01 TT191891 MANGANESE, TOTAL (UGL AS MN) 106 [ps]L ATGC-01 TT191891 MANGANESE, TOTAL (UGL AS MN) 1000 [ps]L ATGC-01 T2911992 MANGANESE, TOTAL (UGL AS MN) 1000 [ps]L ATGC-01 32811992 MANGANESE, TOTAL (UGL AS MN) 2100 [ps]L ATGC-01 52811920 MANGANESE, TOTAL (UGL AS MN) 2100 [ps]L ATGC-01 52811920 MANGANESE, TOTAL (UGL AS MN) 2100 [ps]L ATGC-01 52811920 MANGANESE, TOTAL (UGL AS MN) 2100 [ps]L ATGC-01 52811920 MANGANESE, TOTAL (UGL AS MN) 2100 [ps]L ATGC-01 7911920 MANGANESE, TOTAL (UGL AS MN) 1100 [ps]L ATGC-01 | | | | | | |
| ATGC-01 57131991 MARGANESE, TOTAL UGL AS MN) 1000 JpJL ATGC-01 7119191 MARGANESE, TOTAL UGL AS MN) 288 JpJL ATGC-01 7119191 MARGANESE, TOTAL UGL AS MN) 288 JpJL ATGC-01 71019191 MARGANESE, TOTAL UGL AS MN) 86 JpJL ATGC-01 71019101 MARGANESE, TOTAL UGL AS MN) 86 JpJL ATGC-01 7201901 MARGANESE, TOTAL UGL AS MN) 86 JpJL ATGC-01 7201901 MARGANESE, TOTAL UGL AS MN) 960 JpJL ATGC-01 7201902 MARGANESE, TOTAL UGL AS MN) 960 JpJL ATGC-01 7201902 MARGANESE, TOTAL UGL AS MN) 960 JpJL ATGC-01 7201902 MARGANESE, TOTAL UGL AS MN) 960 JpJL ATGC-01 7201902 MARGANESE, TOTAL UGL AS MN) 960 JpJL ATGC-01 7001902 MARGANESE, TOTAL UGL AS MN) 960 JpJL ATGC-01 7001902 MARGANESE, TOTAL UGL AS MN 960 JpJL ATGC-01 1001902 MARGANESE, TOTAL UGL AS MN 970 JpJL ATGC-01 1001902 MARGANESE, TOT | | | | | | |
| ATGC-01 61*17591 MARGANESE, TOTAL (UGL AS MN) 395 [spl. ATGC-01 1751911 MARGANESE, TOTAL (UGL AS MN) 286 [spl. ATGC-01 1751911 MARGANESE, TOTAL (UGL AS MN) 151 [spl. ATGC-01 1751911 MARGANESE, TOTAL (UGL AS MN) 1400 [spl. ATGC-01 1271191 MARGANESE, TOTAL (UGL AS MN) 1400 [spl. ATGC-01 1271191 MARGANESE, TOTAL (UGL AS MN) 1400 [spl. ATGC-01 2271192 MARGANESE, TOTAL (UGL AS MN) 100 [spl. ATGC-01 2271192 MARGANESE, TOTAL (UGL AS MN) 2100 [spl. ATGC-01 5271192 MARGANESE, TOTAL (UGL AS MN) 2100 [spl. ATGC-01 5271192 MARGANESE, TOTAL (UGL AS MN) 680 [spl. ATGC-01 7971092 MARGANESE, TOTAL (UGL AS MN) 1100 [spl. ATGC-01 7971092 MARGANESE, TOTAL (UGL AS MN) 1100 [spl. ATGC-01 7971092 MARGANESE, TOTAL (UGL AS MN) 1100 [spl. ATGC-01 7971093 MARGANESE, TOTAL (UGL AS MN) 1100 [spl. ATGC-01 | | | | | | |
| ATGC-11 7/18/1991 MANCANESE, TOTA, LUGA, AS MN) 255 (pL ATGC-11 9/09/1991 MANCANESE, TOTA, LUGA, AS MN) 161 (pL) ATGC-01 117/71991 MANCANESE, TOTA, LUGA, AS MN) 140 (pL) ATGC-01 12/17922 MANCANESE, TOTA, LUGA, AS MN) 140 (pL) ATGC-01 12/17922 MANCANESE, TOTA, LUGA, AS MN) 140 (pL) ATGC-01 22/251922 MANCANESE, TOTA, LUGA, AS MN) 110 (pL) ATGC-01 22/51922 MANCANESE, TOTA, LUGA, AS MN) 110 (pL) ATGC-01 26/51929 MANCANESE, TOTA, LUGA, AS MN) 2700 (pL) ATGC-01 87/5192 MANCANESE, TOTA, LUGA, AS MN) 660 (pL) ATGC-01 10/81992 MANCANESE, TOTA, LUGA, AS MN) 1700 (pL) ATGC-01 10/81992 MANCANESE, TOTA, LUGA, AS MN) 1700 (pL) ATGC-01 10/8192 MANCANESE, TOTA, LUGA, AS MN) 1700 (pL) ATGC-01 10/8192 MANCANESE, TOTA, LUGA, AS MN) 1700 (pL) ATGC-01 10/8192 MANCANESE, TOTA, LUGA, AS MN) 1700 (pL) ATGC-01 | | | | | | |
| ATGC.01 9:00:1991 MANCANESE, TOTA, (UGL AS MN) 151 jpL ATGC.01 12:01:191 MANCANESE, TOTA, (UGL AS MN) 1600 jpL ATGC.01 12:01:191 MANCANESE, TOTA, (UGL AS MN) 1600 jpL ATGC.01 2:20:1922 MANCANESE, TOTA, (UGL AS MN) 1600 jpL ATGC.01 2:20:1922 MANCANESE, TOTA, (UGL AS MN) 1600 jpL ATGC.01 2:20:1922 MANCANESE, TOTA, (UGL AS MN) 1600 jpL ATGC.01 2:20:1922 MANCANESE, TOTA, (UGL AS MN) 1600 jpL ATGC.01 9:21:952 MANCANESE, TOTA, (UGL AS MN) 1700 jpL ATGC.01 1:21:1932 MANCANESE, TOTA, (UGL AS MN) 1700 jpL ATGC.01 1:21:1932 MANCANESE, TOTA, (UGL AS MN) 1700 jpL ATGC.01 1:21:1932 MANCANESE, TOTA, (UGL AS MN) 1700 jpL ATGC.01 1:21:1932 MANCANESE, TOTA, (UGL AS MN) 1700 jpL ATGC.01 1:21:1938 MANCANESE, TOTA, (UGL AS MN) 1700 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC.01 117/T1991 MANCANESE, TOTA, UGL, AS MN) BB (p)L ATGC.01 12911991 MANCANESE, TOTA, UGL, AS MN) 1400 (p)L ATGC.01 12911992 MANCANESE, TOTA, UGL, AS MN) 1400 (p)L ATGC.01 32611992 MANCANESE, TOTA, UGL, AS MN) 1100 (p)L ATGC.01 32611992 MANCANESE, TOTA, UGL, AS MN) 100 (p)L ATGC.01 62611992 MANCANESE, TOTA, UGL, AS MN) 200 (p)L ATGC.01 62611992 MANCANESE, TOTA, UGL, AS MN) 460 (p)L ATGC.01 62611992 MANCANESE, TOTA, UGL, AS MN) 100 (p)L ATGC.01 62611992 MANCANESE, TOTA, UGL, AS MN) 1700 (p)L ATGC.01 400 (p)L 400 (p)L 400 (p)L ATGC.01 1671993 MANCANESE, TOTA, UGL, AS MN) 1700 (p)L ATGC.01 4271993 MANCANESE, TOTA, UGL, AS MN) 1700 (p)L ATGC.01 4271993 MANCANESE, TOTA, UGL, AS MN) 1700 (p)L ATGC.01 4271993 MANCANESE, TOTA, UGL, AS MN) 1200 (p)L ATGC.01 1711993 M | ATGC-01 | | | | | |
| NTGC-01 1211992 MANCANESE, TOTAL (UGL AS MN) 1100 [p]L NTGC-01 32617992 MANCANESE, TOTAL (UGL AS MN) 960 [p]L NTGC-01 32617992 MANCANESE, TOTAL (UGL AS MN) 960 [p]L NTGC-01 62617992 MANCANESE, TOTAL (UGL AS MN) 1100 [p]L NTGC-01 62717992 MANCANESE, TOTAL (UGL AS MN) 460 [p]L NTGC-01 9271922 MANCANESE, TOTAL (UGL AS MN) 460 [p]L NTGC-01 9071992 MANCANESE, TOTAL (UGL AS MN) 660 [p]L NTGC-01 9071992 MANCANESE, TOTAL (UGL AS MN) 1100 [p]L NTGC-01 7071993 MANCANESE, TOTAL (UGL AS MN) 1700 [p]L NTGC-01 7071993 MANCANESE, TOTAL (UGL AS MN) 1700 [p]L NTGC-01 7071993 MANCANESE, TOTAL (UGL AS MN) 1700 [p]L NTGC-01 7071993 MANCANESE, TOTAL (UGL AS MN) 120 [p]L NTGC-01 7071993 MANCANESE, TOTAL (UGL AS MN) 220 [p]L NTGC-01 7071993 MANCANESE, TOTAL (UGL AS MN) 1500 [p]L NTGC-01 7071993 | ATGC-01 | | | | | |
| ATGC-01 228/1992 MANGANESE, TOTAL, (UGLA SMN) 100 µg/L ATGC-01 228/1992 MANGANESE, TOTAL, (UGLA SMN) 960 µg/L ATGC-01 428/1992 MANGANESE, TOTAL, (UGLA SMN) 2100 µg/L ATGC-01 827/1992 MANGANESE, TOTAL, (UGLA SMN) 2100 µg/L ATGC-01 827/1992 MANGANESE, TOTAL, (UGLA SMN) 800 µg/L ATGC-01 827/1992 MANGANESE, TOTAL, (UGLA SMN) 800 µg/L ATGC-01 106/1992 MANGANESE, TOTAL, (UGLA SMN) 100 µg/L ATGC-01 106/1992 MANGANESE, TOTAL, (UGLA SMN) 100 µg/L ATGC-01 107/1992 MANGANESE, TOTAL, (UGLA SMN) 100 µg/L ATGC-01 107/1993 MANGANESE, TOTAL, (UGLA SMN) 100 µg/L ATGC-01 71/1993 MANGANESE, TOTAL, (UGLA SMN) 200 µg/L ATGC-01 71/1993 MANGANESE, TOTAL, (UGLA SMN) 200 µg/L ATGC-01 11/15/1993 MANGANESE, TOTAL, (UGLA SMN) 200 µg/L ATGC-01 11/15/1993 MANGANESE, TOTAL, (UGLA SMN) 1000 µg/L ATGC-01 11/15 | ATGC-01 | 12/9/1991 | MANGANESE, TOTAL (UG/L AS MN) | 1400 | µg/L | |
| ATGC-01 320/1992 MANGANESE, TOTAL, (UGL AS MN) 960 µpL ATGC-01 625/1992 MANGANESE, TOTAL, (UGL AS MN) 1100 µpL ATGC-01 625/1992 MANGANESE, TOTAL, (UGL AS MN) 480 µpL ATGC-01 92/1992 MANGANESE, TOTAL, (UGL AS MN) 480 µpL ATGC-01 92/1992 MANGANESE, TOTAL, (UGL AS MN) 680 µpL ATGC-01 12/11992 MANGANESE, TOTAL, (UGL AS MN) 100 µpL ATGC-01 12/11992 MANGANESE, TOTAL, (UGL AS MN) 620 µpL ATGC-01 12/11992 MANGANESE, TOTAL, (UGL AS MN) 620 µpL ATGC-01 12/11993 MANGANESE, TOTAL, (UGL AS MN) 100 µpL ATGC-01 12/11993 MANGANESE, TOTAL, (UGL AS MN) 100 µpL ATGC-01 42/11990 MANGANESE, TOTAL, (UGL AS MN) 100 µpL ATGC-01 11/11/11910 MANGANESE, TOTAL, (UGL AS MN) 100 µpL ATGC-01 11/11/11910 MANGANESE, TOTAL, (UGL AS MN) 200 µpL ATGC-01 11/11/11910 MANGANESE, TOTAL, (UGL AS MN) 100 µpL ATGC-01 11 | ATGC-01 | 1/21/1992 | MANGANESE, TOTAL (UG/L AS MN) | 1400 | µg/L | |
| ATGC-01 4/28/1992 MANGANESE, TOTAL, (UGL AS MN) 1100 pgL ATGC-01 6/25/1992 MANGANESE, TOTAL, (UGL AS MN) 200 pgL ATGC-01 6/25/1992 MANGANESE, TOTAL, (UGL AS MN) 680 pgL ATGC-01 100/1992 MANGANESE, TOTAL, (UGL AS MN) 680 pgL ATGC-01 100/1992 MANGANESE, TOTAL, (UGL AS MN) 1000 pgL ATGC-01 1/5/1983 MANGANESE, TOTAL, (UGL AS MN) 1000 pgL ATGC-01 1/5/1983 MANGANESE, TOTAL, (UGL AS MN) 1700 pgL ATGC-01 3/18/1983 MANGANESE, TOTAL, (UGL AS MN) 1100 pgL ATGC-01 3/18/1983 MANGANESE, TOTAL, (UGL AS MN) 1400 pgL ATGC-01 9/16/1983 MANGANESE, TOTAL, (UGL AS MN) 230 pgL ATGC-01 9/16/1983 MANGANESE, TOTAL, (UGL AS MN) 230 pgL ATGC-01 11/15/1983 MANGANESE, TOTAL, (UGL AS MN) 230 pgL ATGC-01 11/15/1983 MANGANESE, TOTAL, (UGL AS MN) 1000 pgL ATGC-01 12/14/1983 MANGANESE, TOTAL, (UGL AS MN) 1000 pgL ATGC-01 | ATGC-01 | | | | | |
| ATGC-01 6/25/1992 MANGANESE, TOTAL, (UGL AS MN) 2100 [pg]. ATGC-01 9/21/992 MANGANESE, TOTAL, (UGL AS MN) 480 [pg]. ATGC-01 9/21/992 MANGANESE, TOTAL, (UGL AS MN) 1100 [pg]. ATGC-01 12/11/992 MANGANESE, TOTAL, (UGL AS MN) 1100 [pg]. ATGC-01 12/11/992 MANGANESE, TOTAL, (UGL AS MN) 620 [pg]. ATGC-01 12/11/992 MANGANESE, TOTAL, (UGL AS MN) 620 [pg]. ATGC-01 12/11/992 MANGANESE, TOTAL, (UGL AS MN) 1700 [pg]. ATGC-01 12/11/993 MANGANESE, TOTAL, (UGL AS MN) 1700 [pg]. ATGC-01 42/21/993 MANGANESE, TOTAL, (UGL AS MN) 12/00 [pg]. ATGC-01 9/18/1983 MANGANESE, TOTAL, (UGL AS MN) 2/00 [pg]. ATGC-01 9/18/1983 MANGANESE, TOTAL, (UGL AS MN) 2/00 [pg]. ATGC-01 11/16/1983 MANGANESE, TOTAL, (UGL AS MN) 100 [pd]. ATGC-01 11/16/1983 MANGANESE, TOTAL, (UGL AS MN) 100 [pd]. ATGC-01 11/16/1984 MANGANESE, TOTAL, (UGL AS MN) 1000 [pd]. | | | | | | |
| ATGC-01 8/10/1922 MANGANESE, TOTAL (UGL AS MN) 460 [µ0]. ATGC-01 10/01/922 MANGANESE, TOTAL (UGL AS MN) 1100 [µ0]. ATGC-01 10/01/922 MANGANESE, TOTAL (UGL AS MN) 1100 [µ0]. ATGC-01 12/11/932 MANGANESE, TOTAL (UGL AS MN) 1700 [µ0]. ATGC-01 12/11/933 MANGANESE, TOTAL (UGL AS MN) 620 [µ0]. ATGC-01 37/18/1933 MANGANESE, TOTAL (UGL AS MN) 1700 [µ0]. ATGC-01 37/18/1933 MANGANESE, TOTAL (UGL AS MN) 1100 [µ0]. ATGC-01 68/1933 MANGANESE, TOTAL (UGL AS MN) 1200 [µ0]. ATGC-01 9/16/1933 MANGANESE, TOTAL (UGL AS MN) 2100 [µ0]. ATGC-01 9/16/1933 MANGANESE, TOTAL (UGL AS MN) 2100 [µ0]. ATGC-01 11/15/1933 MANGANESE, TOTAL (UGL AS MN) 1500 [µ0]. ATGC-01 12/14/1933 MANGANESE, TOTAL (UGL AS MN) 1500 [µ0]. ATGC-01 12/14/1933 MANGANESE, TOTAL (UGL AS MN) 1500 [µ0]. ATGC-01 12/14/1934 MANGANESE, TOTAL (UGL AS MN) 1500 [µ0]. | ATGC-01 | | | | | |
| ATGC-01 92/1992 MANGANESE, TOTAL (UGL AS MN) 660 [p/L ATGC-01 12/11992 MANGANESE, TOTAL (UGL AS MN) 1700 [p/L ATGC-01 12/11992 MANGANESE, TOTAL (UGL AS MN) 620 [p/L ATGC-01 12/11992 MANGANESE, TOTAL (UGL AS MN) 620 [p/L ATGC-01 21/01993 MANGANESE, TOTAL (UGL AS MN) 1700 [p/L ATGC-01 4/22/1993 MANGANESE, TOTAL (UGL AS MN) 1700 [p/L ATGC-01 4/22/1993 MANGANESE, TOTAL (UGL AS MN) 1400 [p/L ATGC-01 7/10/1993 MANGANESE, TOTAL (UGL AS MN) 200 [p/L ATGC-01 11/10/1993 MANGANESE, TOTAL (UGL AS MN) 200 [p/L ATGC-01 11/10/1993 MANGANESE, TOTAL (UGL AS MN) 1900 [p/L ATGC-01 11/10/1994 MANGANESE, TOTAL (UGL AS MN) 1900 [p/L ATGC-01 11/10/1994 MANGANESE, TOTAL (UGL AS MN) 1900 [p/L ATGC-01 11/10/1994 MANGANESE, TOTAL (UGL AS MN) 1900 [p/L ATGC-01 11/10/1994 MANGANESE, TOTAL (UGL AS MN) 1200 [p/L ATGC-01 | | | | | | |
| ATGC-01 100/1902 MANGANESE, TOTAL (UGL AS MN) 1100 [p]L ATGC-01 127/1902 MANGANESE, TOTAL (UGL AS MN) 620 [p]L ATGC-01 17/1903 MANGANESE, TOTAL (UGL AS MN) 620 [p]L ATGC-01 27/101903 MANGANESE, TOTAL (UGL AS MN) 1700 [p]L ATGC-01 37/101903 MANGANESE, TOTAL (UGL AS MN) 1700 [p]L ATGC-01 4221903 MANGANESE, TOTAL (UGL AS MN) 1400 [p]L ATGC-01 4221903 MANGANESE, TOTAL (UGL AS MN) 2100 [p]L ATGC-01 97/1993 MANGANESE, TOTAL (UGL AS MN) 2100 [p]L ATGC-01 17/19193 MANGANESE, TOTAL (UGL AS MN) 570 [p]L ATGC-01 127/1993 MANGANESE, TOTAL (UGL AS MN) 1500 [p]L ATGC-01 127/1993 MANGANESE, TOTAL (UGL AS MN) 1500 [p]L ATGC-01 127/1993 MANGANESE, TOTAL (UGL AS MN) 1500 [p]L ATGC-01 2227/94 MANGANESE, TOTAL (UGL AS MN) 1500 [p]L ATGC-01 2227/94 MANGANESE, TOTAL (UGL AS MN) 1500 [p]L ATGC-01 127 | | | | | | ļ |
| ATGC-01 12/1992 MANGANESE, TOTAL (UGL AS MN) 1700 [µJL ATGC-01 2/10/1992 MANGANESE, TOTAL (UGL AS MN) 620 [µJL ATGC-01 2/10/1993 MANGANESE, TOTAL (UGL AS MN) 1700 [µJL ATGC-01 2/10/1993 MANGANESE, TOTAL (UGL AS MN) 1700 [µJL ATGC-01 4/22/1993 MANGANESE, TOTAL (UGL AS MN) 1400 [µJL ATGC-01 6/8/1993 MANGANESE, TOTAL (UGL AS MN) 1400 [µJL ATGC-01 7/13/1993 MANGANESE, TOTAL (UGL AS MN) 230 [µJL ATGC-01 11/15/1993 MANGANESE, TOTAL (UGL AS MN) 200 [µJL ATGC-01 11/15/1993 MANGANESE, TOTAL (UGL AS MN) 1500 [µJL ATGC-01 11/15/1993 MANGANESE, TOTAL (UGL AS MN) 1500 [µJL ATGC-01 11/15/1994 MANGANESE, TOTAL (UGL AS MN) 1500 [µJL ATGC-01 11/15/1994 MANGANESE, TOTAL (UGL AS MN) 1300 [µJL ATGC-01 11/17/1994 MANGANESE, TOTAL (UGL AS MN) 1300 [µJL ATGC-01 11/17/1994 MANGANESE, TOTAL (UGL AS MN) 1200 [µJL ATGC-0 | | | | | | |
| ATGC-01 15/7993 MANCANESE, TOTAL (UGL, AS MN) 620 g/L ATGC-01 21/01993 MANCANESE, TOTAL (UGL, AS MN) 1700 lg/L ATGC-01 21/01993 MANCANESE, TOTAL (UGL, AS MN) 1700 lg/L ATGC-01 62/1993 MANCANESE, TOTAL (UGL, AS MN) 1000 lg/L ATGC-01 66/1993 MANCANESE, TOTAL (UGL, AS MN) 2200 lg/L ATGC-01 91719983 MANCANESE, TOTAL (UGL, AS MN) 2200 lg/L ATGC-01 91719993 MANCANESE, TOTAL (UGL, AS MN) 21000 lg/L ATGC-01 117147993 MANCANESE, TOTAL (UGL, AS MN) 1900 lg/L ATGC-01 11741993 MANCANESE, TOTAL (UGL, AS MN) 1900 lg/L ATGC-01 12741993 MANCANESE, TOTAL (UGL, AS MN) 1300 lg/L ATGC-01 2221994 MANCANESE, TOTAL (UGL, AS MN) 1300 lg/L ATGC-01 5771994 MANCANESE, TOTAL (UGL, AS MN) 1300 lg/L ATGC-01 5771994 MANCANESE, TOTAL (UGL, AS MN) 100 lg/L ATGC-01 5771994 MANCANESE, TOTAL (UGL, AS MN) 100 lg/L ATGC-01 | | | | | | |
| ATGC-01 2/101993 MANGANESE, TOTAL (UGL AS MN) 1700 µgL ATGC-01 4/22/1993 MANGANESE, TOTAL (UGL AS MN) 1400 µgL ATGC-01 4/22/1993 MANGANESE, TOTAL (UGL AS MN) 1400 µgL ATGC-01 6/47993 MANGANESE, TOTAL (UGL AS MN) 1200 µgL ATGC-01 7/13/1993 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 17/13/1993 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 11/15/1993 MANGANESE, TOTAL (UGL AS MN) 1900 µgL ATGC-01 11/13/1994 MANGANESE, TOTAL (UGL AS MN) 1900 µgL ATGC-01 11/13/1994 MANGANESE, TOTAL (UGL AS MN) 1900 µgL ATGC-01 21/1994 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 51/17984 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 51/17984 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 51/17984 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 51/17984 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 12/ | | | | | | |
| ATGC-01 3/18/1993 MANGANESE, TOTAL (UGA, AS MN) 1700 µg/. ATGC-01 6/22/1993 MANGANESE, TOTAL (UGA, AS MN) 1100 µg/. ATGC-01 6/8/1993 MANGANESE, TOTAL (UGA, AS MN) 1200 µg/. ATGC-01 0/16/1993 MANGANESE, TOTAL (UGA, AS MN) 2200 µg/. ATGC-01 1/17/1993 MANGANESE, TOTAL (UGA, AS MN) 21000 µg/. ATGC-01 1/17/1993 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 1/17/1993 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 1/17/1994 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 1/17/1994 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 4/20/1994 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 6/21/1994 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 12/19194 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 12/19194 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. ATGC-01 12/19194 MANGANESE, TOTAL (UGA, AS MN) 1000 µg/. | | | | | | |
| ATGC-01 4/22/1983 MANGANESE, TOTAL (UGL AS MN) 1400 [pgL ATGC-01 6/8/1983 MANGANESE, TOTAL (UGL AS MN) 230 [pgL ATGC-01 9/1/1983 MANGANESE, TOTAL (UGL AS MN) 21000 [pgL ATGC-01 11/1/191903 MANGANESE, TOTAL (UGL AS MN) 570 [pgL ATGC-01 11/1/191903 MANGANESE, TOTAL (UGL AS MN) 1900 [pgL ATGC-01 12/1/19104 MANGANESE, TOTAL (UGL AS MN) 1900 [pgL ATGC-01 2/2/1924 MANGANESE, TOTAL (UGL AS MN) 1300 [pgL ATGC-01 5/7/1924 MANGANESE, TOTAL (UGL AS MN) 1000 [pgL ATGC-01 5/7/1924 MANGANESE, TOTAL (UGL AS MN) 1000 [pgL ATGC-01 5/7/1924 MANGANESE, TOTAL (UGL AS MN) 250 [pgL ATGC-01 8/1/1994 MANGANESE, TOTAL (UGL AS MN) 250 [pgL ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 260 [pgL ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 100 [pgL ATGC-01 12/4/1985 MANGANESE, TOTAL (UGL AS MN) 100 [pgL ATGC-01 | ATGC-01 | | | | | |
| ATGC-01 68/1983 MANGANESE, TOTAL (UGL AS NN) 1100 µgL ATGC-01 91/61/983 MANGANESE, TOTAL (UGL AS NN) 220 µgL ATGC-01 91/61/983 MANGANESE, TOTAL (UGL AS NN) 21000 µgL ATGC-01 11/15/1983 MANGANESE, TOTAL (UGL AS NN) 1500 µgL ATGC-01 12/14/1983 MANGANESE, TOTAL (UGL AS NN) 1500 µgL ATGC-01 12/14/1983 MANGANESE, TOTAL (UGL AS NN) 1500 µgL ATGC-01 22/1984 MANGANESE, TOTAL (UGL AS NN) 1300 µgL ATGC-01 42/01984 MANGANESE, TOTAL (UGL AS NN) 1300 µgL ATGC-01 62/21984 MANGANESE, TOTAL (UGL AS NN) 100 µgL ATGC-01 62/21984 MANGANESE, TOTAL (UGL AS NN) 280 µgL ATGC-01 12/19194 MANGANESE, TOTAL (UGL AS NN) 280 µgL ATGC-01 12/19194 MANGANESE, TOTAL (UGL AS NN) 100 µgL ATGC-01 12/19194 MANGANESE, TOTAL (UGL AS NN) 100 µgL ATGC-01 12/19194 MANGANESE, TOTAL (UGL AS NN) 100 µgL ATGC-01 12/191986< | ATGC-01 | | MANGANESE, TOTAL (UG/L AS MN) | | | |
| ATGC-01 9161993 MANGANESE, TOTAL (UGL AS MN) 21000 [ug1 ATGC-01 111151993 MANGANESE, TOTAL (UGL AS MN) 570 [ug1 ATGC-01 111151993 MANGANESE, TOTAL (UGL AS MN) 1900 [ug1 ATGC-01 1131994 MANGANESE, TOTAL (UGL AS MN) 1900 [ug1 ATGC-01 12221994 MANGANESE, TOTAL (UGL AS MN) 1300 [ug1 ATGC-01 4201994 MANGANESE, TOTAL (UGL AS MN) 1300 [ug1 ATGC-01 62211994 MANGANESE, TOTAL (UGL AS MN) 1200 [ug1 ATGC-01 62211994 MANGANESE, TOTAL (UGL AS MN) 1200 [ug1 ATGC-01 9221994 MANGANESE, TOTAL (UGL AS MN) 260 [ug1 ATGC-01 12191994 MANGANESE, TOTAL (UGL AS MN) 85 [ug1 ATGC-01 12241995 MANGANESE, TOTAL (UGL AS MN) 1100 [ug1 ATGC-01 124191994 MANGANESE, TOTAL (UGL AS MN) 100 [ug1 ATGC-01 1241995 MANGANESE, TOTAL (UGL AS MN) 950 [ug1 ATGC-01 1241995 MANGANESE, TOTAL (UGL AS MN) 950 [ug1 ATGC-01 77399 | ATGC-01 | 6/8/1993 | MANGANESE, TOTAL (UG/L AS MN) | 1100 | µg/L | |
| ATGC-01 11/15/1993 MANGANESE, TOTAL (UGL AS MN) 570 [g/L ATGC-01 12/14/1993 MANGANESE, TOTAL (UGL AS MN) 1900 [g/L ATGC-01 12/14/1994 MANGANESE, TOTAL (UGL AS MN) 1900 [g/L ATGC-01 2/22/1994 MANGANESE, TOTAL (UGL AS MN) 1300 [g/L ATGC-01 4/20/1994 MANGANESE, TOTAL (UGL AS MN) 1300 [g/L ATGC-01 5/17/1994 MANGANESE, TOTAL (UGL AS MN) 1100 [g/L ATGC-01 6/17/1994 MANGANESE, TOTAL (UGL AS MN) 1200 [g/L ATGC-01 8/11/1994 MANGANESE, TOTAL (UGL AS MN) 260 [g/L ATGC-01 11/17/1994 MANGANESE, TOTAL (UGL AS MN) 260 [g/L ATGC-01 11/17/1994 MANGANESE, TOTAL (UGL AS MN) 1100 [g/L ATGC-01 12/19/1994 MANGANESE, TOTAL (UGL AS MN) 1100 [g/L ATGC-01 12/19/1994 MANGANESE, TOTAL (UGL AS MN) 1500 [g/L ATGC-01 12/21/1994 MANGANESE, TOTAL (UGL AS MN) 1500 [g/L ATGC-01 12/21/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [g/L A | ATGC-01 | 7/13/1993 | MANGANESE, TOTAL (UG/L AS MN) | 230 | µg/L | |
| ATGC-01 12/14/1993 MANGANESE, TOTAL, (UGL, AS MN) 1900 µgL ATGC-01 1/13/1994 MANGANESE, TOTAL, (UGL, AS MN) 1300 µgL ATGC-01 2/22/1994 MANGANESE, TOTAL, (UGL, AS MN) 1300 µgL ATGC-01 4/20/1994 MANGANESE, TOTAL, (UGL, AS MN) 1300 µgL ATGC-01 6/22/1994 MANGANESE, TOTAL, (UGL, AS MN) 1300 µgL ATGC-01 6/22/1994 MANGANESE, TOTAL, (UGL, AS MN) 1200 µgL ATGC-01 9/22/1994 MANGANESE, TOTAL, (UGL, AS MN) 260 µgL ATGC-01 9/22/1994 MANGANESE, TOTAL, (UGL, AS MN) 260 µgL ATGC-01 1/2/191994 MANGANESE, TOTAL, (UGL, AS MN) 85 µgL ATGC-01 1/2/191994 MANGANESE, TOTAL, (UGL, AS MN) 950 µgL ATGC-01 1/2/191995 MANGANESE, TOTAL, (UGL, AS MN) 950 µgL ATGC-01 1/2/191995 MANGANESE, TOTAL, (UGL, AS MN) 1500 µgL ATGC-01 7/3/1995 MANGANESE, TOTAL, (UGL, AS MN) 1300 µgL ATGC-01 9/1/1995 MANGANESE, TOTAL, (UGL, AS MN) 1300 µgL | ATGC-01 | 9/16/1993 | | 21000 | µg/L | |
| ATGC-01 11/3/1994 NANGANESE, TOTAL, (UGL AS MN) 1500 µgL ATGC-01 2/22/1994 MANGANESE, TOTAL, (UGL AS MN) 1300 µgL ATGC-01 4/20/1994 MANGANESE, TOTAL, (UGL AS MN) 1300 µgL ATGC-01 5/17/1994 MANGANESE, TOTAL, (UGL AS MN) 100 µgL ATGC-01 6/17/1994 MANGANESE, TOTAL, (UGL AS MN) 100 µgL ATGC-01 8/11/1994 MANGANESE, TOTAL, (UGL AS MN) 250 µgL ATGC-01 11/1/1994 MANGANESE, TOTAL, (UGL AS MN) 260 µgL ATGC-01 12/19/1994 MANGANESE, TOTAL, (UGL AS MN) 260 µgL ATGC-01 12/24/1995 MANGANESE, TOTAL, (UGL AS MN) 1100 µgL ATGC-01 12/24/1995 MANGANESE, TOTAL, (UGL AS MN) 560 µgL ATGC-01 12/24/1995 MANGANESE, TOTAL, (UGL AS MN) 1500 µgL ATGC-01 12/24/1995 MANGANESE, TOTAL, (UGL AS MN) 1500 µgL ATGC-01 17/3/1995 MANGANESE, TOTAL, (UGL AS MN) 1500 µgL ATGC-01 17/3/1995 MANGANESE, TOTAL, (UGL AS MN) 1000 µgL ATGC-01< | ATGC-01 | | | | | |
| ATGC-01 222/1994 MANGANESE, TOTAL (UGL AS MN) 1300 µgL ATGC-01 4/20/1994 MANGANESE, TOTAL (UGL AS MN) 1300 µgL ATGC-01 5/17/1994 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 6/22/1994 MANGANESE, TOTAL (UGL AS MN) 1200 µgL ATGC-01 6/22/1994 MANGANESE, TOTAL (UGL AS MN) 750 µgL ATGC-01 9/22/1994 MANGANESE, TOTAL (UGL AS MN) 750 µgL ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 260 µgL ATGC-01 12/19/1994 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 12/24/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 12/24/1995 MANGANESE, TOTAL (UGL AS MN) 560 µgL ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 9/1/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 9/1/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µgL ATGC-01 9/ | | | | | | |
| ATGC-01 4/20/1994 MANGANESE, TOTAL (UGL AS MN) 1300 [µg]L ATGC-01 6/17/1994 MANGANESE, TOTAL (UGL AS MN) 1100 [µg]L ATGC-01 6/12/1994 MANGANESE, TOTAL (UGL AS MN) 1200 [µg]L ATGC-01 8/11/1994 MANGANESE, TOTAL (UGL AS MN) 750 [µg]L ATGC-01 11/11/1994 MANGANESE, TOTAL (UGL AS MN) 250 [µg]L ATGC-01 11/11/1994 MANGANESE, TOTAL (UGL AS MN) 85 [µg]L ATGC-01 11/11/1994 MANGANESE, TOTAL (UGL AS MN) 1100 [µg]L ATGC-01 12/19/1994 MANGANESE, TOTAL (UGL AS MN) 100 [µg]L ATGC-01 12/21/1995 MANGANESE, TOTAL (UGL AS MN) 960 [µg]L ATGC-01 12/28/1995 MANGANESE, TOTAL (UGL AS MN) 960 [µg]L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [µg]L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [µg]L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [µg]L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [µg]L | | | | | | |
| ATGC-01 5/17/1994 MANGANESE, TOTAL (UGL AS MN) 1100 [µ]L ATGC-01 6/22/1994 MANGANESE, TOTAL (UGL AS MN) 1200 [µ]L ATGC-01 8/11/1994 MANGANESE, TOTAL (UGL AS MN) 750 [µ]L ATGC-01 9/22/1994 MANGANESE, TOTAL (UGL AS MN) 260 [µ]L ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 260 [µ]L ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 100 [µ]L ATGC-01 11/2/1995 MANGANESE, TOTAL (UGL AS MN) 100 [µ]L ATGC-01 1/2/3/1995 MANGANESE, TOTAL (UGL AS MN) 960 [µ]L ATGC-01 2/28/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [µ]L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1500 [µ]L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 100 [µ]L ATGC-01 9/7/1995 MANGANESE, TOTAL (UGL AS MN) 100 [µ]L ATGC-01 9/7/1995 MANGANESE, TOTAL (UGL AS MN) 100 [µ]L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 100 [µ]L ATGC-01 | | | | | | |
| ATGC-01 6/22/1994 MANGANESE, TOTAL (UGL AS MN) 1200 µg/L ATGC-01 8/11/1994 MANGANESE, TOTAL (UGL AS MN) 750 µg/L ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 260 µg/L ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 85 µg/L ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 12/4/1995 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 12/24/1995 MANGANESE, TOTAL (UGL AS MN) 960 µg/L ATGC-01 12/24/1995 MANGANESE, TOTAL (UGL AS MN) 960 µg/L ATGC-01 4/19/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 5/23/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 200 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 200 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 8/11/1994 MANGANESE, TOTAL (UGL AS MN) 750 ig/L ATGC-01 9/22/1994 MANGANESE, TOTAL (UGL AS MN) 260 µg/L ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 80 µg/L ATGC-01 12/19/1994 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 12/2/19/1995 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 12/2/19/95 MANGANESE, TOTAL (UGL AS MN) 960 µg/L ATGC-01 12/2/19/95 MANGANESE, TOTAL (UGL AS MN) 960 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1600 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UGL AS MN) | | | | | | |
| ATGC-01 9/22/1994 MANGANESE, TOTAL (UGL AS MN) 260 µg/L ATGC-01 11/1/1994 MANGANESE, TOTAL (UG/L AS MN) 85 µg/L ATGC-01 12/19/1994 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 12/24/1995 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 12/24/1995 MANGANESE, TOTAL (UG/L AS MN) 950 µg/L ATGC-01 2/28/1995 MANGANESE, TOTAL (UG/L AS MN) 950 µg/L ATGC-01 4/19/1995 MANGANESE, TOTAL (UG/L AS MN) 560 µg/L ATGC-01 5/23/1995 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 200 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/9/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| ATGC-01 11/1/1994 MANGANESE, TOTAL (UGL AS MN) 85 µg/L ATGC-01 12/19/1994 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 12/21/9195 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 2/28/1995 MANGANESE, TOTAL (UGL AS MN) 950 µg/L ATGC-01 4/19/1995 MANGANESE, TOTAL (UGL AS MN) 560 µg/L ATGC-01 4/19/1995 MANGANESE, TOTAL (UGL AS MN) 1500 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1300 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 | | | | | | |
| ATGC-01 1/24/1995 MANGANESE, TOTAL (UGL AS MN) 1100 µg/L ATGC-01 2/28/1995 MANGANESE, TOTAL (UGL AS MN) 950 µg/L ATGC-01 4/19/1995 MANGANESE, TOTAL (UGL AS MN) 560 µg/L ATGC-01 5/23/1995 MANGANESE, TOTAL (UGL AS MN) 1500 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UGL AS MN) 1300 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 5/23/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 | ATGC-01 | 11/1/1994 | | | | |
| ATGC-01 2/28/1995 MANGANESE, TOTAL (UG/L AS MN) 950 µg/L ATGC-01 4/19/1995 MANGANESE, TOTAL (UG/L AS MN) 560 µg/L ATGC-01 5/23/1995 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UG/L AS MN) 790 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L | ATGC-01 | 12/19/1994 | MANGANESE, TOTAL (UG/L AS MN) | 1100 | µg/L | |
| ATGC-01 4/19/1995 MANGANESE, TOTAL (UG/L AS MN) 560 µg/L ATGC-01 5/23/1995 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 5/23/1995 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 11/21/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | 1/24/1995 | MANGANESE, TOTAL (UG/L AS MN) | 1100 | µg/L | |
| ATGC-01 5/23/1995 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 7/3/1995 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UG/L AS MN) 790 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L <td< td=""><td>ATGC-01</td><td></td><td></td><td></td><td></td><td></td></td<> | ATGC-01 | | | | | |
| ATGC-01 7/3/1995 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UG/L AS MN) 790 µg/L ATGC-01 8/10/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 260 µg/L ATGC-01 11/21/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/21/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1966 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L <td< td=""><td>ATGC-01</td><td></td><td></td><td></td><td></td><td></td></td<> | ATGC-01 | | | | | |
| ATGC-01 8/10/1995 MANGANESE, TOTAL (UG/L AS MN) 790 µg/L ATGC-01 9/7/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 11/21/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/21/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 5/23/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 8/16/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L | ATGC-01 | | | | | |
| ATGC-01 9/7/1995 MANGANESE, TOTAL (UG/L AS MN) 100 µg/L ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 11/2/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 13/0/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| ATGC-01 10/16/1995 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 11/21/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 5/23/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 13/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 13/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L <tdc< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tdc<> | | | | | | |
| ATGC-01 11/21/1995 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 5/23/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN)< | | | | | | |
| ATGC-01 1/2/1996 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 12/9/1996 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 13/0/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L AT | | | | | | |
| ATGC-01 2/8/1996 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 5/23/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| ATGC-01 4/15/1996 MANGANESE, TOTAL (UG/L AS MN) 550 µg/L ATGC-01 5/23/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 7/11/197 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L <tdd< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tdd<> | | | | | | |
| ATGC-01 5/23/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 11/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 630 µg/L <td< td=""><td>ATGC-01</td><td></td><td></td><td></td><td></td><td>t</td></td<> | ATGC-01 | | | | | t |
| ATGC-01 6/13/1996 MANGANESE, TOTAL (UG/L AS MN) 1600 µg/L ATGC-01 8/15/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 13/0/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) <td>ATGC-01</td> <td>5/23/1996</td> <td></td> <td></td> <td></td> <td> </td> | ATGC-01 | 5/23/1996 | | | | |
| ATGC-01 9/30/1996 MANGANESE, TOTAL (UG/L AS MN) 1700 µg/L ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) <td>ATGC-01</td> <td></td> <td></td> <td>1600</td> <td>µg/L</td> <td></td> | ATGC-01 | | | 1600 | µg/L | |
| ATGC-01 11/4/1996 MANGANESE, TOTAL (UG/L AS MN) 270 µg/L ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/217/1997 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | | | | | |
| ATGC-01 12/19/1996 MANGANESE, TOTAL (UG/L AS MN) 1500 µg/L ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | | | | | |
| ATGC-01 1/30/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/2/1998 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | | | | | |
| ATGC-01 3/6/1997 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 570 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | | , , , , , | | | |
| ATGC-01 4/17/1997 MANGANESE, TOTAL (UG/L AS MN) 1400 µg/L ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 µg/L | | | | | | ļ |
| ATGC-01 6/4/1997 MANGANESE, TOTAL (UG/L AS MN) 1300 µg/L ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 530 µg/L ATGC-01 12/2/1998 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L | | | | | 10 | |
| ATGC-01 7/11/1997 MANGANESE, TOTAL (UG/L AS MN) 540 µg/L ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 µg/L | | | | | | |
| ATGC-01 8/18/1997 MANGANESE, TOTAL (UG/L AS MN) 420 µg/L ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 µg/L | | | | | | |
| ATGC-01 9/25/1997 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 12/2/1998 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 µg/L | | | | | | |
| ATGC-01 11/10/1997 MANGANESE, TOTAL (UG/L AS MN) 53 µg/L ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 µg/L | ATGC-01 | | | | | t |
| ATGC-01 12/17/1997 MANGANESE, TOTAL (UG/L AS MN) 370 µg/L ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 µg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 µg/L | ATGC-01 | | | | | İ |
| ATGC-01 1/22/1998 MANGANESE, TOTAL (UG/L AS MN) 1100 μg/L ATGC-01 2/25/1998 MANGANESE, TOTAL (UG/L AS MN) 810 μg/L | ATGC-01 | | | | | |
| | ATGC-01 | | | 1100 | μg/L | |
| ATGC-01 4/15/1998 MANGANESE, TOTAL (UG/L AS MN) 460 μg/L | ATGC-01 | 2/25/1998 | | | | |
| | ATGC-01 | 4/15/1998 | MANGANESE, TOTAL (UG/L AS MN) | 460 | µg/L | |

| The Col Northeam Mandarssey, TOTA, (DKA, SA MA) 910 [pt] ATRCC 10 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 10 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 10 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MPRE MARCARSES, TOTA, (DKA, SB MA) 910 [pt] ATRCC 11 F/MARCARSES, TOTA, (DKA, SB MA) 910 [pt] 910 [pt] ATRCC 11 F/M | 0: ID | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------------------------|------|------|-------------|
| ATRC-01 OF 167198 MARABER, 1074L (GAL AS MA) 940 (pt) ATRC-01 278198 MARCARES, 1074L (GAL AS MA) 157 (pL) ATRC-01 178198 MARCARES, 1074L (GAL AS MA) 157 (pL) ATRC-01 178298 MARCARES, 1074L (GAL AS MA) 1300 (pL) ATRC-01 1729798 MARCARES, 1074L (GAL AS MA) 1300 (pL) ATRC-01 1729799 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 2527199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 2527199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1074L (GAL AS MA) 1000 (pL) ATRC-01 927199 MARCARES, 1 | Station ID | Date | Sample Depth Parameter | | | Remark Code |
| ATGC-11 7:58/1980 MAXAMESE, TOTAL LIGLA, AS MAY 1175 (p)L ATGC-11 107:071180 MAXAMESE, TOTAL LIGLA, AS MAY 65 (p)L ATGC-11 107:071180 MAXAMESE, TOTAL LIGLA, AS MAY 65 (p)L ATGC-11 107:071180 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0780 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0780 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0780 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0780 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0790 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0790 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0790 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0700 MAXAMESE, TOTAL LIGLA, AS MAY 100 (p)L ATGC-11 207:0700 MAXAMESE, TOTAL LIGLA, AS MAY 100 | | | | | | |
| NIGC-11 916/9169 MANDARESE, TOTAL (GRA, AS MN) 81 [-]. NIGC-11 TYG21198 MANDARESE, TOTAL (GRA, AS MN) 33 [-]. NIGC-11 TYG21198 MANDARESE, TOTAL (GRA, AS MN) 33 [-]. NIGC-11 TYG21198 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. NIGC-11 STARD-10 STARD-10 STARD-10 [-]. NIGC-11 STARD-10 MANDARESE, TOTAL (GRA, AS MN) 900 (p1. [-]. NIGC-11 STARD-10 MANDARESE, TOTAL (GRA, AS MN) 900 (p1. [-]. NIGC-11 TYF199 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. [-]. NIGC-11 TYF199 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. [-]. NIGC-11 TYF199 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. [-]. NIGC-11 TYF199 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. [-]. NIGC-11 TYF199 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. [-]. NIGC-11 TYF199 MANDARESE, TOTAL (GRA, AS MN) 1000 (p1. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| TATG: 11 1022/1988 NANGARESE TOTAL, UGA, AS MNO 66 Jop L. TATGC: 11 1223/198 NANGARESE TOTAL, UGA, AS MNO 130 Jup L. TATGC: 11 123/198 NANGARESE TOTAL, UGA, AS MNO 130 Jup L. TATGC: 11 123/198 NANGARESE TOTAL, UGA, AS MNO 130 Jup L. TATGC: 11 77/1980 NANGARESE TOTAL, UGA, AS MNO 170 Jup L. TATGC: 11 77/1980 NANGARESE TOTAL, UGA, AS MNO 170 Jup L. TATGC: 11 77/1980 NANGARESE TOTAL, UGA, AS MNO 170 Jup L. TATGC: 11 77/1980 NANGARESE TOTAL, UGA, AS MNO 170 Jup L. TATGC: 11 77/1980 NANGARESE TOTAL, UGA, AS MNO 1000 Jup L. TATGC: 11 70/2000 NANGARESE TOTAL, UGA, AS MNO 1000 Jup L. TATGC: 11 70/2000 NANGARESE TOTAL, UGA, AS MNO 1000 Jup L. TATGC: 11 70/2000 NANGARESE TOTAL, UGA, AS MNO 1000 Jup L. TATGC: 11 70/2000 NANGARESE TOTAL, UGA, AS MNO 1000 Jup L. TATGC: 11 70/2000 NANGARESE TOTAL, UGA, AS MNO 1000 Jup L. <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<> | | | | | | |
| ATGC-01 11/22/1988 MAMOARESE TOTAL (UGA AS MN) 94 ppl. ATGC-01 12/21/1990 MAMOARESE TOTAL (UGA AS MN) 12/00 upl. ATGC-01 2/17/1990 MAMOARESE TOTAL (UGA AS MN) 12/00 upl. ATGC-01 2/17/1990 MAMOARESE TOTAL (UGA AS MN) 12/00 upl. ATGC-01 2/17/1990 MAMOARESE TOTAL (UGA AS MN) 2/00 upl. ATGC-01 2/17/1990 MAMOARESE TOTAL (UGA AS MN) 2/00 upl. ATGC-01 1/17/1990 MAMOARESE TOTAL (UGA AS MN) 2/00 upl. ATGC-01 1/17/1990 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 1/17/1990 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 1/17/1990 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 1/17/1990 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 1/17/1990 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 1/12/200 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 1/12/200 MAMOARESE TOTAL (UGA AS MN) 1/00 upl. ATGC-01 | | | | | | |
| ATRC-01 128/1980 MANGARESE TOTAL (LOCA AS MN) 1300 upl. ATRC-01 27/1980 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 37/1980 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 37/1980 MARGARESE TOTAL (LOCA AS MN) 070 upl. ATRC-01 97/1980 MARGARESE TOTAL (LOCA AS MN) 071 upl. ATRC-01 97/1980 MARGARESE TOTAL (LOCA AS MN) 071 upl. ATRC-01 97/1980 MARGARESE TOTAL (LOCA AS MN) 070 upl. ATRC-01 15/1980 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/1990 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/20200 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/20200 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/20200 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/20200 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/20200 MARGARESE TOTAL (LOCA AS MN) 1000 upl. ATRC-01 15/20200 | | | | | | |
| ATRC-01 2/77998 MMARANESE TOTAL (UGA AS MN) 1200 [j]. ATRC-01 2/7998 MMARANESE TOTAL (UGA AS MN) 070 [j]. ATRC-01 2/7998 MMARANESE TOTAL (UGA AS MN) 070 [j]. ATRC-01 2/7998 MMARANESE TOTAL (UGA AS MN) 240 [j]. ATRC-01 2/7998 MMARANESE TOTAL (UGA AS MN) 240 [j]. ATRC-01 2/7998 MMARANESE TOTAL (UGA AS MN) 250 [j]. ATRC-01 1/2998 MMARANESE TOTAL (UGA AS MN) 1000 [j]. ATRC-01 1/2998 MMARANESE TOTAL (UGA AS MN) 1000 [j]. ATRC-01 1/2900 MMARANESE TOTAL (UGA AS MN) 1000 [j]. ATRC-01 1/2900 MMARANESE TOTAL (UGA AS MN) 1000 [j]. ATRC-01 1/2900 MMARANESE TOTAL (UGA AS MN) 1260 [j]. ATRC-01 1/22000 MMARANESE TOTAL (UGA AS MN) 1260 [j]. ATRC-01 1/22000 MMARANESE TOTAL (UGA AS MN) 1260 [j]. ATRC-01 1/22000 MMARANESE TOTAL (UGA AS MN) 1260 [j]. ATRC-01 1/22000 MMARANESE TOTA | | | | | | |
| ATGC-01 3/29/1999 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 57/1998 NANGANESE, TOTAL, LOGA, AS MN 57/199. ATGC-01 77/1999 NANGANESE, TOTAL, LOGA, AS MN 57/199. ATGC-01 57/1998 NANGANESE, TOTAL, LOGA, AS MN 57/199. ATGC-01 51/1990 NANGANESE, TOTAL, LOGA, AS MN 1200 pg1. ATGC-01 51/1990 NANGANESE, TOTAL, LOGA, AS MN 1200 pg1. ATGC-01 17/2000 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 17/2000 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 17/2000 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 17/2000 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 17/2000 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 11/19/2010 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 11/19/2010 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 11/19/2010 NANGANESE, TOTAL, LOGA, AS MN 1000 pg1. ATGC-01 | | | | | | |
| ATGC:01 57/1990 MMACKNES: TOTAL (LOCA AS MN) 97/091. ATGC:01 76/1992 MACKNES: TOTAL (LOCA AS MN) 27/092. ATGC:01 62/17190 DAMGANES: TOTAL (LOCA AS MN) 27/092. ATGC:01 62/17190 DAMGANES: TOTAL (LOCA AS MN) 27/092. ATGC:01 92/2100 MAMCANES: TOTAL (LOCA AS MN) 2500 pg1. ATGC:01 92/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 92/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 91/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 91/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 11/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 11/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 11/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 11/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 11/2000 MAMCANES: TOTAL (LOCA AS MN) 1000 pg1. ATGC:01 11/2000 | | | | | | |
| ArtGo-11 7/80198 MANGANESE TOTAL (LOG. AS MN) 516 (lpg)L ATGC-11 87231989 MANGANESE TOTAL (LOG. AS MN) 116 (lpg)L ATGC-11 87231989 MANGANESE TOTAL (LOG. AS MN) 126 (lpg)L ATGC-11 117 11989 MANGANESE TOTAL (LOG. AS MN) 126 (lpg)L ATGC-11 117 11989 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L ATGC-11 127 11980 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L ATGC-11 127 12000 MANGANESE TOTAL (LOG. AS MN) 1400 (lpg)L ATGC-11 52 20000 MANGANESE TOTAL (LOG. AS MN) 1400 (lpg)L ATGC-11 52 20000 MANGANESE TOTAL (LOG. AS MN) 1400 (lpg)L ATGC-11 10 22 2000 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L ATGC-11 10 22 2000 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L ATGC-11 10 22 2000 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L ATGC-11 10 22 2000 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L ATGC-11 17 20 200 MANGANESE TOTAL (LOG. AS MN) 100 (lpg)L | | | | | | |
| NTGC-01 P171999 MARGANESE, TOTAL (UGL AS MA) P216 [pg]. NTGC-01 14221999 MARGANESE, TOTAL (UGL AS MA) P316 [pg]. NTGC-01 11421999 MARGANESE, TOTAL (UGL AS MA) P306 [pg]. NTGC-01 1222000 MARGANESE, TOTAL (UGL AS MA) P306 [pg]. NTGC-01 1222000 MARGANESE, TOTAL (UGL AS MA) P306 [pg]. NTGC-01 1222000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1222000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1222000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1115 [2000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1115 [2000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1115 [2000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1115 [2000 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1115 [2001 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. NTGC-01 1115 [2001 MARGANESE, TOTAL (UGL AS MA) P400 [pg]. N | | | | | | |
| ATGC-01 1922/1999 MARGANESE, TOTAL (UGL AS MA) 1160 [p]L ATGC-01 114/14989 MARGANESE, TOTAL (UGL AS MA) 000 [p]L ATGC-01 12/17/1999 MARGANESE, TOTAL (UGL AS MA) 000 [p]L ATGC-01 12/17/1999 MARGANESE, TOTAL (UGL AS MA) 1000 [p]L ATGC-01 3/12020 MARGANESE, TOTAL (UGL AS MA) 1000 [p]L ATGC-01 3/12020 MARGANESE, TOTAL (UGL AS MA) 1000 [p]L ATGC-01 9/120200 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 19/02000 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 19/02000 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 11/02000 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 11/02000 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 11/02001 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 11/02001 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 11/02001 MARGANESE TOTAL (UGL AS MA) 1000 [p]L ATGC-01 11 | | | | | | |
| ATGC-01 11/14/1999 MANGANESE, TOTAL (UGL AS MN) 216 [p]L ATGC-01 12/171999 MANGANESE, TOTAL (UGL AS MN) 500 [p]L ATGC-01 12/171999 MANGANESE, TOTAL (UGL AS MN) 1000 [p]L ATGC-01 12/80200 MANGANESE, TOTAL (UGL AS MN) 405 [p]L ATGC-01 52/2020 MANGANESE, TOTAL (UGL AS MN) 405 [p]L ATGC-01 52/2020 MANGANESE, TOTAL (UGL AS MN) 406 [p]L ATGC-01 52/2020 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 11/92000 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 11/92000 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 11/92000 MANGANESE, TOTAL (UGL AS MN) 800 [p]L ATGC-01 11/92000 MANGANESE, TOTAL (UGL AS MN) 800 [p]L ATGC-01 11/92001 MANGANESE, TOTAL (UGL AS MN) 800 [p]L ATGC-01 11/9201 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 11/9201 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 11/9202 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> | | | | - | | |
| ATGC-01 19/17/1999 MARGANESE, TOTAL (UGL AS MA) SIGD [p]L ATGC-01 19/20200 MARGANESE, TOTAL (UGL AS MA) 1000 [p]L ATGC-01 31/20200 MARGANESE, TOTAL (UGL AS MA) 1000 [p]L ATGC-01 51/20200 MARGANESE, TOTAL (UGL AS MA) 1400 [p]L ATGC-01 52/20200 MARGANESE, TOTAL (UGL AS MA) 1400 [p]L ATGC-01 10/220200 MARGANESE, TOTAL (UGL AS MA) 1400 [p]L ATGC-01 10/220200 MARGANESE, TOTAL (UGL AS MA) 1500 [p]L ATGC-01 11/220200 MARGANESE, TOTAL (UGL AS MA) 1500 [p]L ATGC-01 11/220201 MARGANESE, TOTAL (UGL AS MA) 2600 [p]L ATGC-01 11/20201 MARGANESE, TOTAL (UGL AS MA) 2600 [p]L ATGC-01 11/20201 MARGANESE, TOTAL (UGL AS MA) 2600 [p]L ATGC-01 11/20201 MARGANESE, TOTAL (UGL AS MA) 2600 [p]L ATGC-01 11/20202 MARGANESE, TOTAL (UGL AS MA) 2600 [p]L ATGC-01 11/20202 MARGANESE, TOTAL (UGL AS MA) 1000 [p]L ATGC-01 | | | | | | |
| ATGC-01 12802000 MANGANESE, TOTAL (UGL AS MN) TODO [ugl. ATGC-01 3172000 MANGANESE, TOTAL (UGL AS MN) 1000 [ugl. ATGC-01 41782000 MANGANESE, TOTAL (UGL AS MN) 1400 [ugl. ATGC-01 62720000 MANGANESE, TOTAL (UGL AS MN) 1400 [ugl. ATGC-01 62720000 MANGANESE, TOTAL (UGL AS MN) 1400 [ugl. ATGC-01 6162000 MANGANESE, TOTAL (UGL AS MN) 1600 [ugl. ATGC-01 1162000 MANGANESE, TOTAL (UGL AS MN) 1600 [ugl. ATGC-01 1162000 MANGANESE, TOTAL (UGL AS MN) 800 [ugl. ATGC-01 11780001 MANGANESE, TOTAL (UGL AS MN) 800 [ugl. ATGC-01 1178001 MANGANESE, TOTAL (UGL AS MN) 800 [ugl. ATGC-01 1172001 MANGANESE, TOTAL (UGL AS MN) 800 [ugl. ATGC-01 1172001 MANGANESE, TOTAL (UGL AS MN) 800 [ugl. ATGC-01 1172000 MANGANESE, TOTAL (UGL AS MN) 1000 [ugl. ATGC-01 1172000 MANGANESE, TOTAL (UGL AS MN) 1000 [ugl. ATGC-01 | | | | - | | |
| ATGC-01 3172000 MANCARESE, TOTAL (USL AS MN) TotOp (upt) ATGC-01 4792000 MANCARESE, TOTAL (USL AS MN) 480 (upt) ATGC-01 524/2000 MANCARESE, TOTAL (USL AS MN) 1400 (upt) ATGC-01 524/2000 MANCARESE, TOTAL (USL AS MN) 280 (upt) ATGC-01 91/22000 MANCARESE, TOTAL (USL AS MN) 280 (upt) ATGC-01 191/22000 MANCARESE, TOTAL (USL AS MN) 280 (upt) ATGC-01 191/22000 MANCARESE, TOTAL (USL AS MN) 280 (upt) ATGC-01 191/22001 MANCARESE, TOTAL (USL AS MN) 280 (upt) ATGC-01 191/2001 MANCARESE, TOTAL (USL AS MN) 280 (upt) ATGC-01 191/2001 MANCARESE, TOTAL (USL AS MN) 180 (upt) ATGC-01 191/2002 MANCARESE, TOTAL (USL AS MN) 180 (upt) ATGC-01 191/2002 MANCARESE, TOTAL (USL AS MN) 180 (upt) ATGC-01 191/2002 MANCARESE, TOTAL (USL AS MN) 180 (upt) ATGC-01 191/2002 MANCARESE, TOTAL (USL AS MN) 180 (upt) ATGC-01 | | | | | | |
| ATGC-01 4192000 MANGARESE, TOTAL (UGL AS MN) 440 [9]L ATGC-01 52242000 MANGARESE, TOTAL (UGL AS MN) 1400 [9]L ATGC-01 5222000 MANGARESE, TOTAL (UGL AS MN) 1200 [9]L ATGC-01 1022000 MANGARESE, TOTAL (UGL AS MN) 1200 [9]L ATGC-01 1022000 MANGARESE, TOTAL (UGL AS MN) 1400 [9]L ATGC-01 1022000 MANGARESE, TOTAL (UGL AS MN) 1600 [9]L ATGC-01 11022000 MANGARESE, TOTAL (UGL AS MN) 1600 [9]L ATGC-01 11022001 MANGARESE, TOTAL (UGL AS MN) 1600 [9]L ATGC-01 11072002 MANGARESE, TOTAL (UGL AS MN) 1600 [9]L ATGC-01 11072002 MANGARESE, TOTAL (UGL AS MN) 1100 [9]L ATGC-01 1172002 MANGARESE, TOTAL (UGL AS MN) 1000 [9]L ATGC-01 1172002 MANGARESE, TOTAL (UGL AS MN) 1000 [9]L ATGC-01 1172002 MANGARESE, TOTAL (UGL AS MN) 1000 | | | | | | |
| ATGC-01 524/2000 MANGARESE, TOTAL (UGA, AS MN) 1400 [g]d. ATGC-01 822/2000 MANGARESE, TOTAL (UGA, AS MN) 2800 [g]d. ATGC-01 819/2000 MANGARESE, TOTAL (UGA, AS MN) 2800 [g]d. ATGC-01 119/12/2000 MANGARESE, TOTAL (UGA, AS MN) 4800 [g]d. ATGC-01 119/12/2000 MANGARESE, TOTAL (UGA, AS MN) 4800 [g]d. ATGC-01 119/12/2010 MANGARESE, TOTAL (UGA, AS MN) 800 [g]d. [g]d. ATGC-01 119/12/2010 MANGARESE, TOTAL (UGA, AS MN) 800 [g]d. [g]d. ATGC-01 119/12/2011 MANGARESE, TOTAL (UGA, AS MN) 800 [g]d. [g]d. [g]d. ATGC-01 119/12/2012 MANGARESE, TOTAL (UGA, AS MN) 800 [g]d. | | | | | | |
| ATGC-01 6/222000 MANCANESE, TOTA, (UGA, AS MN) 1400 [grl. ATGC-01 10/22000 MANCANESE, TOTA, (UGA, AS MN) 280 [grl. ATGC-01 10/22000 MANCANESE, TOTA, (UGA, AS MN) 130 [grl. ATGC-01 11/122000 MANCANESE, TOTA, (UGA, AS MN) 1400 [grl. ATGC-01 11/122000 MANCANESE, TOTA, (UGA, AS MN) 1800 [grl. ATGC-01 11/122000 MANCANESE, TOTA, (UGA, AS MN) 880 [grl. ATGC-01 11/122001 MANCANESE, TOTA, (UGA, AS MN) 880 [grl. ATGC-01 11/122001 MANCANESE, TOTA, (UGA, AS MN) 800 [grl. ATGC-01 11/120001 MANCANESE, TOTA, (UGA, AS MN) 800 [grl. ATGC-01 11/120002 MANCANESE, TOTA, (UGA, AS MN) 800 [grl. ATGC-01 11/120020 MANCANESE, TOTA, (UGA, AS MN) 1100 [grl. ATGC-01 11/120020 MANCANESE, TOTA, (UGA, AS MN) 1100 [grl. ATGC-01 11/120020 MANCANESE, TOTA, (UGA, AS MN) 1100 [grl. ATGC-01 11/120020 MANCANESE, TOTA, (UGA, AS MN) 1100 [grl. | ATGC-01 | 4/19/2000 | MANGANESE, TOTAL (UG/L AS MN) | 490 | µg/L | |
| ATGC-01 & MARSANESE, TOTAL (UGLA SS MN) \$30 µpL ATGC-01 10/22000 MARSANESE, TOTAL (UGLA SS MN) \$30 µpL ATGC-01 11/15/2000 MARSANESE, TOTAL (UGLA SS MN) \$500 µpL ATGC-01 11/15/2000 MARSANESE, TOTAL (UGLA SS MN) \$500 µpL ATGC-01 41/02001 MARSANESE, TOTAL (UGLA SS MN) \$2000 µpL ATGC-01 74/2001 MARSANESE, TOTAL (UGLA SS MN) \$2000 µpL ATGC-01 74/2001 MARSANESE, TOTAL (UGLA SS MN) \$2000 µpL ATGC-01 11/2001 MARSANESE, TOTAL (UGLA SS MN) \$2000 µpL ATGC-01 11/2001 MARSANESE, TOTAL (UGLA SS MN) \$200 µpL ATGC-01 11/2001 MARSANESE, TOTAL (UGLA SS MN) \$200 µpL ATGC-01 520 µ200 MARSANESE, TOTAL (UGLA SS MN) \$200 µpL ATGC-01 520 µ200 MARSANESE, TOTAL (UGLA SS MN) \$200 µpL ATGC-01 520 µ200 MARSANESE, TOTAL (UGLA SS MN) \$400 µpL ATGC-01 520 µ200 MARSANESE, TOTAL (UGLA SS MN) \$400 µpL ATGC-01 520 µ200 | ATGC-01 | 5/24/2000 | MANGANESE, TOTAL (UG/L AS MN) | 1400 | µg/L | |
| ATGC-01 102/2000 MANGARESE, TOTAL (UGL AS MN) 410 ppL ATGC-01 11/16/2001 MANGARESE, TOTAL (UGL AS MN) 440 ppL ATGC-01 11/16/2001 MANGARESE, TOTAL (UGL AS MN) 880 upL ATGC-01 11/10/2001 MANGARESE, TOTAL (UGL AS MN) 880 upL ATGC-01 7/20001 MANGARESE, TOTAL (UGL AS MN) 880 upL ATGC-01 11/1/2001 MANGARESE, TOTAL (UGL AS MN) 800 upL ATGC-01 11/1/2001 MANGARESE, TOTAL (UGL AS MN) 800 upL ATGC-01 11/1/2002 MANGARESE, TOTAL (UGL AS MN) 800 upL ATGC-01 22/1/2002 MANGARESE, TOTAL (UGL AS MN) 800 upL ATGC-01 22/1/2002 MANGARESE, TOTAL (UGL AS MN) 100 upL ATGC-01 42/4/2002 MANGARESE, TOTAL (UGL AS MN) 100 upL ATGC-01 7/5/2002 MANGARESE, TOTAL (UGL AS MN) 100 upL ATGC-01 7/5/2002 MANGARESE, TOTAL (UGL AS MN) 100 upL ATGC-01 7/5/2002 MANGARESE, TOTAL (UGL AS MN) 100 upL ATGC-01 7/5/2002 | ATGC-01 | 6/22/2000 | MANGANESE, TOTAL (UG/L AS MN) | 1400 | µg/L | |
| ATGC-01 11/152000 MANGARESE, TOTAL (UGL AS MN) 1500 (pJL ATGC-01 11/152000 MANGARESE, TOTAL (UGL AS MN) 1500 (pJL ATGC-01 41/92001 MANGARESE, TOTAL (UGL AS MN) 2800 (pJL ATGC-01 94/2001 MANGARESE, TOTAL (UGL AS MN) 2800 (pJL ATGC-01 94/2001 MANGARESE, TOTAL (UGL AS MN) 2800 (pJL ATGC-01 11/12001 MANGARESE, TOTAL (UGL AS MN) 820 (pJL ATGC-01 11/12001 MANGARESE, TOTAL (UGL AS MN) 820 (pJL ATGC-01 11/12001 MANGARESE, TOTAL (UGL AS MN) 850 (pJL ATGC-01 320/0002 MANGARESE, TOTAL (UGL AS MN) 100 (pJL ATGC-01 59/9202 MANGARESE, TOTAL (UGL AS MN) 100 (pJL ATGC-01 19/92002 MANGARESE, TOTAL (UGL AS MN) 100 (pJL ATGC-01 19/92003 MANGARESE, TOTAL (UGL AS MN) 100 (pJL ATGC-01 19/92003 MANGARESE, TOTAL (UGL AS MN) 100 (pJL ATGC-01 19/92003 MANGARESE, TOTAL (UGL AS MN) 760 (pJL ATGC-01 19/920 | ATGC-01 | 8/16/2000 | MANGANESE, TOTAL (UG/L AS MN) | 260 | µg/L | |
| ATGC-01 11/02001 MANGANESE, TOTAL (UGL AS MN) 1000 µpL ATGC-01 7192001 MANGANESE, TOTAL (UGL AS MN) 880 µpL ATGC-01 7728/2001 MANGANESE, TOTAL (UGL AS MN) 170 µpL ATGC-01 11/1/2001 MANGANESE, TOTAL (UGL AS MN) 170 µpL ATGC-01 11/1/2001 MANGANESE, TOTAL (UGL AS MN) 860 µpL ATGC-01 22/1/2002 MANGANESE, TOTAL (UGL AS MN) 850 µpL ATGC-01 22/1/2002 MANGANESE, TOTAL (UGL AS MN) 850 µpL ATGC-01 22/1/2002 MANGANESE, TOTAL (UGL AS MN) 850 µpL ATGC-01 22/1/2002 MANGANESE, TOTAL (UGL AS MN) 1000 µpL ATGC-01 71/2/002 MANGANESE, TOTAL (UGL AS MN) 1000 µpL ATGC-01 71/2/002 MANGANESE, TOTAL (UGL AS MN) 1000 µpL ATGC-01 71/2/002 MANGANESE, TOTAL (UGL AS MN) 1000 µpL ATGC-01 72/2/003 MANGANESE, TOTAL (UGL AS MN) 760 µpL ATGC-01 72/2/003 MANGANESE, TOTAL (UGL AS MN) 760 µpL ATGC-01 72/2/2/004 <td>ATGC-01</td> <td>10/2/2000</td> <td>MANGANESE, TOTAL (UG/L AS MN)</td> <td>130</td> <td>µg/L</td> <td></td> | ATGC-01 | 10/2/2000 | MANGANESE, TOTAL (UG/L AS MN) | 130 | µg/L | |
| ATGC-01 11002001 MANGARESE, TOTAL (UGL AS MN) 1500 µpL ATGC-01 7728/2001 MANGARESE, TOTAL (UGL AS MN) 880 µpL ATGC-01 7728/2001 MANGARESE, TOTAL (UGL AS MN) 20000 µpL ATGC-01 19/2001 MANGARESE, TOTAL (UGL AS MN) 170 µpL ATGC-01 19/2001 MANGARESE, TOTAL (UGL AS MN) 820 µpL ATGC-01 19/2002 MANGARESE, TOTAL (UGL AS MN) 860 µpL ATGC-01 22/2002 MANGARESE, TOTAL (UGL AS MN) 860 µpL ATGC-01 22/2002 MANGARESE, TOTAL (UGL AS MN) 900 µL ATGC-01 42/2002 MANGARESE, TOTAL (UGL AS MN) 900 µL ATGC-01 42/2002 MANGARESE, TOTAL (UGL AS MN) 1000 µL ATGC-01 71/2002 MANGARESE, TOTAL (UGL AS MN) 100 µL ATGC-01 71/2002 MANGARESE, TOTAL (UGL AS MN) 100 µL ATGC-01 71/2002 MANGARESE, TOTAL (UGL AS MN) 100 µL ATGC-01 71/2002 MANGARESE, TOTAL (UGL AS MN) 100 µL ATGC-01 71/20003 MANGARESE, | ATGC-01 | 11/15/2000 | MANGANESE, TOTAL (UG/L AS MN) | | | |
| ATGC-01 4192001 MANGANESE, TOTAL (UGL AS MN) B80 [p]L ATGC-01 942001 MANGANESE, TOTAL (UGL AS MN) 170 [p]L ATGC-01 942001 MANGANESE, TOTAL (UGL AS MN) 820 [p]L ATGC-01 11/12001 MANGANESE, TOTAL (UGL AS MN) 820 [p]L ATGC-01 11/12002 MANGANESE, TOTAL (UGL AS MN) 850 [p]L ATGC-01 3202002 MANGANESE, TOTAL (UGL AS MN) 850 [p]L ATGC-01 3202002 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 4242002 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 4242002 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 3502002 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 3502003 MANGANESE, TOTAL (UGL AS MN) 100 [p]L ATGC-01 3502003 MANGANESE, TOTAL (UGL AS MN) 700 [p]L ATGC-01 3502003 MANGANESE, TOTAL (UGL AS MN) 700 [p]L ATGC-01 3502003 MANGANESE, TOTAL (UGL AS MN) 700 [p]L ATGC-01 1612003 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| ATGC-01 7/26/2001 MANSANESE, TOTAL (UGL AS MN) 2000 [µ]. ATGC-01 11/1/2001 MANSANESE, TOTAL (UGL AS MN) 820 [µ]. ATGC-01 11/1/2001 MANSANESE, TOTAL (UGL AS MN) 820 [µ]. ATGC-01 2/21/2002 MANSANESE, TOTAL (UGL AS MN) 800 [µ]. ATGC-01 2/21/2002 MANSANESE, TOTAL (UGL AS MN) 800 [µ]. ATGC-01 4/22/2002 MANSANESE, TOTAL (UGL AS MN) 1000 [µ]. ATGC-01 4/22/2002 MANSANESE, TOTAL (UGL AS MN) 1000 [µ]. ATGC-01 7/15/2002 MANSANESE, TOTAL (UGL AS MN) 1000 [µ]. ATGC-01 15/9/2003 MANSANESE, TOTAL (UGL AS MN) 100 [µ]. ATGC-01 15/9/2003 MANSANESE, TOTAL (UGL AS MN) 700 [µ]. ATGC-01 15/9/2003 MANSANESE, TOTAL (UGL AS MN) 700 [µ]. ATGC-01 9/9/2003 MANSANESE, TOTAL (UGL AS MN) 700 [µ]. ATGC-01 9/9/2003 MANSANESE, TOTAL (UGL AS MN) 700 [µ]. ATGC-01 9/9/2003 MANSANESE, TOTAL (UGL AS MN) 200 [µ]. ATGC-01 | | | | | | 1 |
| ATGC-01 94/2001 MANGANESE, TOTAL (UGL AS MN) 170 [pgL ATGC-01 11/1/2001 MANGANESE, TOTAL (UGL AS MN) 820 [pgL ATGC-01 11/1/2002 MANGANESE, TOTAL (UGL AS MN) 850 [pgL ATGC-01 320/2002 MANGANESE, TOTAL (UGL AS MN) 850 [pgL ATGC-01 42/2002 MANGANESE, TOTAL (UGL AS MN) 500 [pgL ATGC-01 4/2/2002 MANGANESE, TOTAL (UGL AS MN) 100 [pgL ATGC-01 4/2/2002 MANGANESE, TOTAL (UGL AS MN) 100 [pgL ATGC-01 4/2/2002 MANGANESE, TOTAL (UGL AS MN) 100 [pgL ATGC-01 1/3/2003 MANGANESE, TOTAL (UGL AS MN) 100 [pgL ATGC-01 3/2/2003 MANGANESE, TOTAL (UGL AS MN) 700 [pgL ATGC-01 3/2/2003 MANGANESE, TOTAL (UGL AS MN) 700 [pgL ATGC-01 5/2/2003 MANGANESE, TOTAL (UGL AS MN) 700 [pgL ATGC-01 6/1/2003 MANGANESE, TOTAL (UGL AS MN) 700 [pgL ATGC-01 11/1/2004 MANGANESE, TOTAL (UGL AS MN) 200 [pgL ATGC-01 11/1/2004 | | | | | | 1 |
| ATGC-01 111/12001 MANGANESE, TOTAL (UGL AS MN) 820 pg/L ATGC-01 11772002 MANGANESE, TOTAL (UGL AS MN) 850 pg/L ATGC-01 22712002 MANGANESE, TOTAL (UGL AS MN) 850 pg/L ATGC-01 42242002 MANGANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 42242002 MANGANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 71752002 MANGANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 71752002 MANGANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 71752002 MANGANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 7362003 MANGANESE, TOTAL (UGL AS MN) 800 pg/L ATGC-01 3762003 MANGANESE, TOTAL (UGL AS MN) 760 pg/L ATGC-01 3762003 MANGANESE, TOTAL (UGL AS MN) 760 pg/L ATGC-01 9142003 MANGANESE, TOTAL (UGL AS MN) 760 pg/L ATGC-01 9142003 MANGANESE, TOTAL (UGL AS MN) 700 pg/L ATGC-01 9142003 MANGANESE, TOTAL (UGL AS MN) 700 pg/L ATGC-01 9142003 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 1/17.2002 MANCANESE, TOTAL (UGL AS MN) 1800 pgL ATGC-01 2.202.002 MANCANESE, TOTAL (UGL AS MN) 850 pgL ATGC-01 2.202.002 MANCANESE, TOTAL (UGL AS MN) 850 pgL ATGC-01 4.242.002 MANCANESE, TOTAL (UGL AS MN) 1000 pgL ATGC-01 6.420.002 MANCANESE, TOTAL (UGL AS MN) 1000 pgL ATGC-01 6.420.002 MANCANESE, TOTAL (UGL AS MN) 1000 pgL ATGC-01 1.715.2002 MANCANESE, TOTAL (UGL AS MN) 1400 pgL ATGC-01 3.520.003 MANCANESE, TOTAL (UGL AS MN) 1400 pgL ATGC-01 3.520.003 MANCANESE, TOTAL (UGL AS MN) 880 pgL ATGC-01 5.520.003 MANCANESE, TOTAL (UGL AS MN) 880 pgL ATGC-01 5.720.003 MANCANESE, TOTAL (UGL AS MN) 780 pgL ATGC-01 6.720.003 MANCANESE, TOTAL (UGL AS MN) 210 pgL ATGC-01 6.720.003 MANCANESE, TOTAL (UGL AS MN) 210 pgL ATGC-01 101 £20.003 MANCANESE, TOTAL (UGL AS MN) 320 pgL ATGC-01 1 | | | | - | | |
| ATGC-01 221/2002 MANCANESE, TOTAL (UGL AS MN) 850 pg/L ATGC-01 2202002 MANCANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 42242002 MANCANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 642002 MANCANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 77152002 MANCANESE, TOTAL (UGL AS MN) 100 pg/L ATGC-01 1502002 MANCANESE, TOTAL (UGL AS MN) 140 pg/L ATGC-01 5022003 MANCANESE, TOTAL (UGL AS MN) 160 pg/L ATGC-01 5022003 MANCANESE, TOTAL (UGL AS MN) 760 pg/L ATGC-01 5022003 MANCANESE, TOTAL (UGL AS MN) 760 pg/L ATGC-01 5022003 MANCANESE, TOTAL (UGL AS MN) 760 pg/L ATGC-01 5022003 MANCANESE, TOTAL (UGL AS MN) 210 pg/L ATGC-01 10122003 MANCANESE, TOTAL (UGL AS MN) 220 pg/L ATGC-01 10122003 MANCANESE, TOTAL (UGL AS MN) 220 pg/L ATGC-01 10122003 MANCANESE, TOTAL (UGL AS MN) 820 pg/L ATGC-01 10122003 | | | | | | |
| ATGC-01 2020202 MANCANESE, TOTAL (UGL AS MN) 550 pg/L ATGC-01 4242002 MANCANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 6420002 MANCANESE, TOTAL (UGL AS MN) 1000 pg/L ATGC-01 6420002 MANCANESE, TOTAL (UGL AS MN) 370 pg/L ATGC-01 1/302003 MANCANESE, TOTAL (UGL AS MN) 140 pg/L ATGC-01 3/20203 MANCANESE, TOTAL (UGL AS MN) 860 pg/L ATGC-01 3/202003 MANCANESE, TOTAL (UGL AS MN) 860 pg/L ATGC-01 3/202003 MANCANESE, TOTAL (UGL AS MN) 760 µg/L ATGC-01 6/12/2003 MANCANESE, TOTAL (UGL AS MN) 760 µg/L ATGC-01 6/12/2003 MANCANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 9/4/2003 MANCANESE, TOTAL (UGL AS MN) 220 µg/L ATGC-01 9/4/2003 MANCANESE, TOTAL (UGL AS MN) 320 µg/L ATGC-01 1/1/8/2003 MANCANESE, TOTAL (UGL AS MN) 320 µg/L ATGC-01 1/1/8/2003 MANCANESE, TOTAL (UGL AS MN) 320 µg/L ATGC-01 1/1/8/2 | | | | | | |
| ATGC-01 424/2002 MANGANESE, TOTAL (UGL, AS MN) 1100 [pgl. ATGC-01 775/2002 MANGANESE, TOTAL (UGL, AS MN) 370 [pgl. ATGC-01 775/2002 MANGANESE, TOTAL (UGL, AS MN) 370 [pgl. ATGC-01 19/2002 MANGANESE, TOTAL (UGL, AS MN) 140 [pgl. ATGC-01 12/20203 MANGANESE, TOTAL (UGL, AS MN) 860 [pgl. ATGC-01 32/20203 MANGANESE, TOTAL (UGL, AS MN) 760 [pgl. ATGC-01 52/20203 MANGANESE, TOTAL (UGL, AS MN) 760 [pgl. ATGC-01 61/2/2023 MANGANESE, TOTAL (UGL, AS MN) 760 [pgl. ATGC-01 61/2/2023 MANGANESE, TOTAL (UGL, AS MN) 20 [pgl. ATGC-01 10/1/2/2023 MANGANESE, TOTAL (UGL, AS MN) 20 [pgl. ATGC-01 10/1/2/2023 MANGANESE, TOTAL (UGL, AS MN) 30 [pgl. ATGC-01 10/1/2/2024 MANGANESE, TOTAL (UGL, AS MN) 30 [pgl. ATGC-01 10/1/2/2024 MANGANESE, TOTAL (UGL, AS MN) 30 [pgl. ATGC-01 10/1/2/2024 MANGANESE, TOTAL (UGL, AS MN) 30 [pgl. | | | | | | |
| ATGC-01 64/2002 MANGANESE, TOTAL (UGL AS NN) 1000 [µ]L ATGC-01 81/92002 MANGANESE, TOTAL (UGL AS NN) 140 [µ]L ATGC-01 81/92002 MANGANESE, TOTAL (UGL AS NN) 1100 [µ]L ATGC-01 31/22003 MANGANESE, TOTAL (UGL AS NN) 1100 [µ]L ATGC-01 32/22003 MANGANESE, TOTAL (UGL AS NN) 760 [µ]L ATGC-01 32/22003 MANGANESE, TOTAL (UGL AS NN) 760 [µ]L ATGC-01 61/22003 MANGANESE, TOTAL (UGL AS NN) 760 [µ]L ATGC-01 61/22003 MANGANESE, TOTAL (UGL AS NN) 760 [µ]L ATGC-01 81/2003 MANGANESE, TOTAL (UGL AS NN) 210 [µ]L ATGC-01 91/2003 MANGANESE, TOTAL (UGL AS NN) 320 [µ]L ATGC-01 11/1/22003 MANGANESE, TOTAL (UGL AS NN) 320 [µ]L ATGC-01 11/1/22003 MANGANESE, TOTAL (UGL AS NN) 320 [µ]L ATGC-01 11/1/22004 MANGANESE, TOTAL (UGL AS NN) 320 [µ]L ATGC-01 11/1/22004 MANGANESE, TOTAL (UGL AS NN) 320 [µ]L ATGC-01 52 | | | | | | |
| ATGC-01 7/15/2002 MANGANESE, TOTAL (UGL AS MN) 370 [pgL ATGC-01 1/30/2003 MANGANESE, TOTAL (UGL AS MN) 140 [pgL ATGC-01 3/5/2003 MANGANESE, TOTAL (UGL AS MN) 1100 [pgL ATGC-01 3/5/2003 MANGANESE, TOTAL (UGL AS MN) 860 [pgL ATGC-01 3/5/2003 MANGANESE, TOTAL (UGL AS MN) 760 [pgL ATGC-01 5/6/2003 MANGANESE, TOTAL (UGL AS MN) 760 [pgL ATGC-01 5/6/2003 MANGANESE, TOTAL (UGL AS MN) 760 [pgL ATGC-01 8/7/2003 MANGANESE, TOTAL (UGL AS MN) 201 [pgL ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 320 [pgL ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 320 [pgL ATGC-01 11/4/2004 MANGANESE, TOTAL (UGL AS MN) 820 [pgL ATGC-01 11/4/2004 MANGANESE, TOTAL (UGL AS MN) 820 [pgL ATGC-01 4/1/4/2004 MANGANESE, TOTAL (UGL AS MN) 820 [pgL ATGC-01 5/1/2/2004 MANGANESE, TOTAL (UGL AS MN) 820 [pgL ATGC-01 < | | | | | | |
| ATGC-01 6/19.2002 MANGANESE, TOTAL (UGL AS MN) 140 jpl ATGC-01 13/02.003 MANGANESE, TOTAL (UGL AS MN) 1100 jpl ATGC-01 3/28/2003 MANGANESE, TOTAL (UGL AS MN) 880 jpl ATGC-01 3/28/2003 MANGANESE, TOTAL (UGL AS MN) 760 jpl ATGC-01 6/18/2003 MANGANESE, TOTAL (UGL AS MN) 760 jpl ATGC-01 8/7/2003 MANGANESE, TOTAL (UGL AS MN) 210 jpl ATGC-01 9/4/2003 MANGANESE, TOTAL (UGL AS MN) 210 jpl ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 220 jpl ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 220 jpl ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 220 jpl ATGC-01 11/14/2004 MANGANESE, TOTAL (UGL AS MN) 220 jpl ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 220 jpl ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 220 | | | | | | |
| ATGC-01 1/302003 MANGANESE. TOTAL (UGL AS MN) 1100 [jgL ATGC-01 3/5/2003 MANGANESE. TOTAL (UGL AS MN) 880 [jgL ATGC-01 3/5/2003 MANGANESE. TOTAL (UGL AS MN) 760 [jgL ATGC-01 5/6/2003 MANGANESE. TOTAL (UGL AS MN) 760 [jgL ATGC-01 5/6/2003 MANGANESE. TOTAL (UGL AS MN) 400 [jgL ATGC-01 8/7/2003 MANGANESE. TOTAL (UGL AS MN) 210 [jgL ATGC-01 8/7/2003 MANGANESE. TOTAL (UGL AS MN) 220 [jgL ATGC-01 10/15/2003 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 11/18/2004 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 11/18/2004 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 11/14/2004 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 4/14/2004 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 6/12/2004 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 6/12/2004 MANGANESE. TOTAL (UGL AS MN) 20 [jgL ATGC-01 6/12/ | | | | | | |
| ATGC-01 33/62/003 MANGANESE, TOTAL (UGL AS MN) 880 pqL ATGC-01 3/26/2003 MANGANESE, TOTAL (UGL AS MN) 760 µgL ATGC-01 5/6/2003 MANGANESE, TOTAL (UGL AS MN) 760 µgL ATGC-01 6/18/2003 MANGANESE, TOTAL (UGL AS MN) 480 µgL ATGC-01 9/4/2003 MANGANESE, TOTAL (UGL AS MN) 210 µgL ATGC-01 9/4/2003 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 19/4/2003 MANGANESE, TOTAL (UGL AS MN) 320 µgL ATGC-01 11/1/4/2004 MANGANESE, TOTAL (UGL AS MN) 37 µgL ATGC-01 11/1/4/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 11/1/4/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 460 µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 9/8/2/204 MANGANESE, TOTAL (UGL AS MN) 180 µgL ATGC-01 9/8/2/204 MANGANESE, TOTAL (UGL AS MN) 180 µgL ATGC-01 12/2/2 | | | | | | |
| ATGC-01 328/2003 NANGANESE, TOTAL (UGL AS MN) 760 µgL ATGC-01 5/6/2003 MANGANESE, TOTAL (UGL AS MN) 760 µgL ATGC-01 6/18/2003 MANGANESE, TOTAL (UGL AS MN) 430 µgL ATGC-01 8/7/2003 MANGANESE, TOTAL (UGL AS MN) 210 µgL ATGC-01 8/7/2003 MANGANESE, TOTAL (UGL AS MN) 210 µgL ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 320 µgL ATGC-01 11/18/2004 MANGANESE, TOTAL (UGL AS MN) 320 µgL ATGC-01 11/18/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 440 µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 140 µgL ATGC-01 9/12/2004 MANGANESE, TOTAL (UGL AS MN) 140 µgL ATGC-01 9/12/2004 MANGANESE, TOTAL (UGL AS MN) 140 µgL ATGC-01 12/2/2004 MANGANESE, TOTAL (UGL AS MN) 140 µgL ATGC-01 12/2/2/2004 | | | | | | |
| ATGC-01 56/2003 MANGANESE, TOTAL (UGL AS MN) 760 [ugl ATGC-01 6/18/2003 MANGANESE, TOTAL (UGL AS MN) 490 [ugl ATGC-01 8/7/2003 MANGANESE, TOTAL (UGL AS MN) 210 [ugl ATGC-01 9/4/2003 MANGANESE, TOTAL (UGL AS MN) 320 [ugl ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 320 [ugl ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 320 [ugl ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 820 [ugl ATGC-01 11/14/2004 MANGANESE, TOTAL (UGL AS MN) 820 [ugl ATGC-01 4/14/2004 MANGANESE, TOTAL (UGL AS MN) 820 [ugl ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 420 [ugl ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 120 [ugl ATGC-01 9/8/2004 MANGANESE, TOTAL (UGL AS MN) 180 [ugl ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 800 [ugl ATGC-01 12/2004 MANGANESE, TOTAL (UGL AS MN) 800 [ugl ATGC-01 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| ATGC-01 6/18/2003 MANGANESE, TOTAL (UGL AS MN) 400 [µp]L ATGC-01 8/7/2003 MANGANESE, TOTAL (UGL AS MN) 210 µg/L ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 320 µg/L ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 370 µg/L ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 371 µg/L ATGC-01 11/18/2004 MANGANESE, TOTAL (UGL AS MN) 820 µg/L ATGC-01 11/18/2004 MANGANESE, TOTAL (UGL AS MN) 820 µg/L ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 440 µg/L ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 480 µg/L ATGC-01 8/17/2004 MANGANESE, TOTAL (UGL AS MN) 140 µg/L ATGC-01 12/27/2004 MANGANESE, TOTAL (UGL AS MN) 140 µg/L ATGC-01 12/27/2004 MANGANESE, TOTAL (UGL AS MN) 140 µg/L ATGC-01 12/27/2004 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 12/27/2004 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 8772003 MANGANESE, TOTAL (UGL AS MN) 210 µg/L ATGC-01 9/4/2003 MANGANESE, TOTAL (UGL AS MN) 320 µg/L ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 310 µg/L ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 37 µg/L ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 820 µg/L ATGC-01 11/14/2004 MANGANESE, TOTAL (UGL AS MN) 820 µg/L ATGC-01 11/14/2004 MANGANESE, TOTAL (UGL AS MN) 820 µg/L ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 440 µg/L ATGC-01 6/9/2004 MANGANESE, TOTAL (UGL AS MN) 220 µg/L ATGC-01 8/1/2004 MANGANESE, TOTAL (UGL AS MN) 400 µg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 180 µg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 12/20/2005 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 | | | | | | |
| ATGC-01 9/4/2003 MANGANESE, TOTAL (UGL AS MN) 320 µgL ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 110 µgL ATGC-01 11/1/8/2003 MANGANESE, TOTAL (UGL AS MN) 37 µgL ATGC-01 11/1/8/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 2/19/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 4/14/2004 MANGANESE, TOTAL (UGL AS MN) 820 µgL ATGC-01 4/14/2004 MANGANESE, TOTAL (UGL AS MN) 400 µgL ATGC-01 6/9/2004 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 8/11/2004 MANGANESE, TOTAL (UGL AS MN) 140 µgL ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 140 µgL ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 100 µgL ATGC-01 12/27/2004 MANGANESE, TOTAL (UGL AS MN) 100 µgL ATGC-01 12/27/2004 MANGANESE, TOTAL (UGL AS MN) 100 µgL ATGC-01 12/27/2005 MANGANESE, TOTAL (UGL AS MN) 100 µgL ATGC-01 12/ | | | | | | |
| ATGC-01 10/15/2003 MANGANESE, TOTAL (UGL AS MN) 110 10/16 ATGC-01 11/16/2003 MANGANESE, TOTAL (UGL AS MN) 37 10/1 ATGC-01 21/19/2004 MANGANESE, TOTAL (UGL AS MN) 820 10/2 ATGC-01 21/19/2004 MANGANESE, TOTAL (UGL AS MN) 820 10/2 ATGC-01 41/4/2004 MANGANESE, TOTAL (UGL AS MN) 440 10/2 ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 440 10/2 ATGC-01 6/9/2004 MANGANESE, TOTAL (UGL AS MN) 10/2 10/2 ATGC-01 9/8/2004 MANGANESE, TOTAL (UGL AS MN) 10/2 10/2 ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 400 10/2 ATGC-01 1/2/2/2004 MANGANESE, TOTAL (UGL AS MN) 800 10/2 ATGC-01 1/2/2/2005 MANGANESE, TOTAL (UGL AS MN) 1000 10/2 ATGC-01 1/2/2/2005 MANGANESE, TOTAL (UGL AS MN) 1000 10/2 ATGC-01 1/2/2/2005 MANGANESE, TOTAL (UGL AS MN) | | | | | | |
| ATGC-01 11/18/2003 MANGANESE, TOTAL (UGL AS MN) 37 [µgL ATGC-01 11/14/2004 MANGANESE, TOTAL (UGL AS MN) 820 [µgL ATGC-01 2/19/2004 MANGANESE, TOTAL (UGL AS MN) 820 [µgL ATGC-01 4/14/2004 MANGANESE, TOTAL (UGL AS MN) 440 [µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 460 µgL ATGC-01 6/9/2004 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 8/11/2004 MANGANESE, TOTAL (UGL AS MN) 140 [µgL ATGC-01 9/8/2004 MANGANESE, TOTAL (UGL AS MN) 180 [µgL ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 180 [µgL ATGC-01 12/20/2004 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 12/20/2005 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 12/20/2005 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 5/23/2005 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 5/23/2005 MANGANESE, TOTAL (UGL AS MN) 200 [µgL ATGC-01 | | | | | | |
| ATGC-01 1/1/4/2004 MANGANESE, TOTAL (UGL AS MN) 820 [µgL ATGC-01 2/19/2004 MANGANESE, TOTAL (UGL AS MN) 820 [µgL ATGC-01 4/14/2004 MANGANESE, TOTAL (UGL AS MN) 440 [µgL ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 440 [µgL ATGC-01 6/9/2004 MANGANESE, TOTAL (UGL AS MN) 220 µgL ATGC-01 8/11/2004 MANGANESE, TOTAL (UGL AS MN) 140 [µgL ATGC-01 8/11/2004 MANGANESE, TOTAL (UGL AS MN) 140 [µgL ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 140 [µgL ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 400 [µgL ATGC-01 12/20/2004 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 12/20/2005 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 12/20/2005 MANGANESE, TOTAL (UGL AS MN) 1000 [µgL ATGC-01 5/23/2005 MANGANESE, TOTAL (UGL AS MN) 200 [µgL ATGC-01 5/23/2005 MANGANESE, TOTAL (UGL AS MN) 200 [µgL ATGC-01 | | 10/15/2003 | | | | |
| ATGC-01 2/19/2004 MANGANESE, TOTAL (UGL AS MN) 820 µg/L ATGC-01 4/14/2004 MANGANESE, TOTAL (UGL AS MN) 440 µg/L ATGC-01 5/12/2004 MANGANESE, TOTAL (UGL AS MN) 460 µg/L ATGC-01 6/9/2004 MANGANESE, TOTAL (UGL AS MN) 460 µg/L ATGC-01 8/11/2004 MANGANESE, TOTAL (UGL AS MN) 140 µg/L ATGC-01 9/8/2004 MANGANESE, TOTAL (UGL AS MN) 180 µg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UGL AS MN) 100 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UGL AS MN) 1000 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UGL AS MN) 800 µg/L ATGC-01 1/2/2/2005 MANGANESE, TOTAL (UGL AS MN) 800< | | 11/18/2003 | | | | |
| ATGC-01 4/14/2004 MANGANESE, TOTAL (UG/L AS MN) 440 µg/L ATGC-01 5/12/2004 MANGANESE, TOTAL (UG/L AS MN) 460 µg/L ATGC-01 6/9/2004 MANGANESE, TOTAL (UG/L AS MN) 220 µg/L ATGC-01 8/11/2004 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 9/8/2004 MANGANESE, TOTAL (UG/L AS MN) 160 µg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 400 µg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 600 µg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | 1/14/2004 | MANGANESE, TOTAL (UG/L AS MN) | 820 | µg/L | |
| ATGC-01 5/12/2004 MANGANESE, TOTAL (UG/L AS MN) 460 μg/L ATGC-01 6/9/2004 MANGANESE, TOTAL (UG/L AS MN) 220 μg/L ATGC-01 8/1/2004 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 9/8/2004 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 400 μg/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 12/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 12/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 12/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 4/13/2005 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 280 μg/L ATGC-01 1/31/2005 MANGANESE, TOTAL (UG/L AS MN) 280 μg/L ATGC-01 1/31/2005 MANGANESE, TOTAL (UG/L AS MN) 280 μg/L ATGC | ATGC-01 | 2/19/2004 | | 820 | µg/L | |
| ATGC-01 6/9/2004 MANGANESE, TOTAL (UG/L AS MN) 220 ug/L ATGC-01 8/11/2004 MANGANESE, TOTAL (UG/L AS MN) 140 ug/L ATGC-01 9/8/2004 MANGANESE, TOTAL (UG/L AS MN) 180 ug/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 400 ug/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 ug/L ATGC-01 12/21/2005 MANGANESE, TOTAL (UG/L AS MN) 800 ug/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 ug/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 ug/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 ug/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 ug/L ATGC-01 1/031/2005 MANGANESE, TOTAL (UG/L AS MN) 200 ug/L ATGC-01 1/031/2005 MANGANESE, TOTAL (UG/L AS MN) 200 ug/L ATGC-01 1/26/2005 MANGANESE, TOTAL (UG/L AS MN) | ATGC-01 | 4/14/2004 | MANGANESE, TOTAL (UG/L AS MN) | 440 | µg/L | |
| ATGC-01 8/11/2004 MANGANESE, TOTAL (UG/L AS MN) 140 19/L ATGC-01 9/8/2004 MANGANESE, TOTAL (UG/L AS MN) 180 19/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 400 19/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 19/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 1200 19/L ATGC-01 12/21/2005 MANGANESE, TOTAL (UG/L AS MN) 1200 19/L ATGC-01 12/21/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 19/L ATGC-01 4/13/2005 MANGANESE, TOTAL (UG/L AS MN) 800 19/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 19/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 19/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 19/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 250 19/L ATGC-01 10/2/1/2005 MANGANESE, TOTAL (UG/L AS AG) | ATGC-01 | 5/12/2004 | MANGANESE, TOTAL (UG/L AS MN) | 460 | µg/L | |
| ATGC-01 9/8/2004 MANGANESE, TOTAL (UG/L AS MN) 180 µg/L ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 400 µg/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 12/27/2005 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 12/27/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 340 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 10/2/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MO) <td>ATGC-01</td> <td>6/9/2004</td> <td>MANGANESE, TOTAL (UG/L AS MN)</td> <td>220</td> <td>µg/L</td> <td></td> | ATGC-01 | 6/9/2004 | MANGANESE, TOTAL (UG/L AS MN) | 220 | µg/L | |
| ATGC-01 10/27/2004 MANGANESE, TOTAL (UG/L AS MN) 400 µg/L ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 12/20/2005 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 1/26/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/26/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 1/26/2005 MANGANESE, TOTAL (UG/L AS MO) <td>ATGC-01</td> <td>8/11/2004</td> <td>MANGANESE, TOTAL (UG/L AS MN)</td> <td>140</td> <td>µg/L</td> <td></td> | ATGC-01 | 8/11/2004 | MANGANESE, TOTAL (UG/L AS MN) | 140 | µg/L | |
| ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS AG) 3 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS AG) 3 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS AG) 3 µg/L ATGC-01 | ATGC-01 | 9/8/2004 | MANGANESE, TOTAL (UG/L AS MN) | 180 | µg/L | |
| ATGC-01 12/20/2004 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 340 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 260 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 12/6/2005 MANGANESE, TOTAL | ATGC-01 | 10/27/2004 | MANGANESE, TOTAL (UG/L AS MN) | 400 | μg/L | |
| ATGC-01 1/27/2005 MANGANESE, TOTAL (UG/L AS MN) 1200 µg/L ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 4/13/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 340 µg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/51/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MO) 1000 µg/L K ATGC-01 12/5/1990 SILVER, DISSO | ATGC-01 | 12/20/2004 | MANGANESE, TOTAL (UG/L AS MN) | 800 | µg/L | |
| ATGC-01 2/24/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 μg/L ATGC-01 4/13/2005 MANGANESE, TOTAL (UG/L AS MN) 800 μg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 340 μg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 600 μg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 μg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 μg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 10/2/2005 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 12/2/1005 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 12/2/1005 MANGANESE, TOTAL (UG/L AS MN) 1400 μg/L K ATGC-01 12/2/1005 MANGANESE, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 12/2/1090 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/11/199 | ATGC-01 | 1/27/2005 | | | | |
| ATGC-01 4/13/2005 MANGANESE, TOTAL (UG/L AS MN) 800 µg/L ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 340 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 300 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 600 µg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS AG) 3 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS AG) 3 µg/L ATGC-01 1/2/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L ATGC-01 3/17/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) | ATGC-01 | | MANGANESE, TOTAL (UG/L AS MN) | | | |
| ATGC-01 5/23/2005 MANGANESE, TOTAL (UG/L AS MN) 340 µg/L ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 600 µg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 11/26/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 11/26/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 11/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K < | ATGC-01 | | | | | |
| ATGC-01 6/29/2005 MANGANESE, TOTAL (UG/L AS MN) 600 µg/L ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 µg/L ATGC-01 12/5/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K | ATGC-01 | | | | | |
| ATGC-01 7/20/2005 MANGANESE, TOTAL (UG/L AS MN) 250 µg/L ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 µg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 140 µg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MO) 1000 µg/L ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K | ATGC-01 | | | | | |
| ATGC-01 9/15/2005 MANGANESE, TOTAL (UG/L AS MN) 280 μg/L ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 μg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 μg/L ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/ | | | | | | |
| ATGC-01 10/31/2005 MANGANESE, TOTAL (UG/L AS MN) 140 μg/L ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 μg/L K ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVE | | | | | | |
| ATGC-01 12/6/2005 MANGANESE, TOTAL (UG/L AS MN) 1000 μg/L K ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/1/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/2/2/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, | | | | | | |
| ATGC-01 1/25/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 9/01/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 13/01991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG | | | | | | |
| ATGC-01 3/7/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 13/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS | | | | | | к |
| ATGC-01 4/11/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 9/0/1/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS | | | | | | |
| ATGC-01 5/14/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 37/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS A | | | | | | |
| ATGC-01 6/14/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 12/20/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K | | | | | | |
| ATGC-01 7/24/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 13/0/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 3 μg/L K | | | , , , , | | | |
| ATGC-01 9/11/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K | | | | | | |
| ATGC-01 10/30/1990 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K | | | | | | |
| ATGC-01 12/20/1990 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 1/30/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 3/7/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 4/9/1991 SILVER, DISSOLVED (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 5/13/1991 SILVER, DISSOLVED (UG/L AS AG) 5 µg/L K | | | | | | |
| | ATGC-01 | | | | | |
| ATGC-01 6/11/1991 SILVER, DISSOLVED (UG/L AS AG) 5 μg/L K | ATGC-01 | | , , , , | | | |
| | ATGC-01 | 6/11/1991 | SILVER, DISSOLVED (UG/L AS AG) | 5 | µg/L | К |

| | Data | Ormula Dauth Dammarten | Description of the last | 11-26- | Demonto Ocolo |
|-----------------------|--------------------------|------------------------------------------------------------------|-------------------------|---------------|------------------|
| Station ID ATGC-01 | Date 7/18/1991 | Sample Depth Parameter SILVER, DISSOLVED (UG/L AS AG) | Result Value | units µg/L | Remark Code K |
| ATGC-01 | 9/30/1991 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 11/7/1991 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 12/9/1991 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 1/21/1992 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 2/25/1992 | SILVER, DISSOLVED (UG/L AS AG) | 5 | µg/L | К |
| ATGC-01 | 3/26/1992 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 4/28/1992 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 6/25/1992 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 8/10/1992 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 ATGC-01 | 9/2/1992 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 ATGC-01 | 10/6/1992 12/1/1992 | SILVER, DISSOLVED (UG/L AS AG) SILVER, DISSOLVED (UG/L AS AG) | | μg/L μg/L | К К |
| ATGC-01 | 1/5/1993 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 2/10/1993 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 3/18/1993 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 4/22/1993 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 6/8/1993 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 7/13/1993 | SILVER, DISSOLVED (UG/L AS AG) | 5 | µg/L | |
| ATGC-01 | 9/16/1993 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 11/15/1993 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 12/14/1993 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 1/13/1994 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 2/22/1994 | SILVER, DISSOLVED (UG/LAS AG) | | μg/L | K |
| ATGC-01 ATGC-01 | 4/20/1994 5/17/1994 | SILVER, DISSOLVED (UG/L AS AG) SILVER, DISSOLVED (UG/L AS AG) | | μg/L μg/L | K K |
| ATGC-01 ATGC-01 | 6/22/1994 | SILVER, DISSOLVED (UG/L AS AG) SILVER, DISSOLVED (UG/L AS AG) | | µg/L µg/L | K K |
| ATGC-01 | 8/11/1994 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | N |
| ATGC-01 | 11/1/1994 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | |
| ATGC-01 | 12/19/1994 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | |
| ATGC-01 | 1/24/1995 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | |
| ATGC-01 | 2/28/1995 | SILVER, DISSOLVED (UG/L AS AG) | 4 | μg/L | |
| ATGC-01 | 4/19/1995 | SILVER, DISSOLVED (UG/L AS AG) | 13 | µg/L | |
| ATGC-01 | 5/23/1995 | SILVER, DISSOLVED (UG/L AS AG) | 7 | µg/L | |
| ATGC-01 | 7/3/1995 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 8/10/1995 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 9/7/1995 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | 14 |
| ATGC-01 ATGC-01 | 10/16/1995 11/21/1995 | SILVER, DISSOLVED (UG/LAS AG) | | µg/L µg/L | K K |
| ATGC-01 ATGC-01 | 1/2/1995 | SILVER, DISSOLVED (UG/L AS AG) SILVER, DISSOLVED (UG/L AS AG) | | µg/L µg/L | K |
| ATGC-01 | 2/8/1996 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 4/15/1996 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 5/23/1996 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 6/13/1996 | SILVER, DISSOLVED (UG/L AS AG) | 3 | μg/L | К |
| ATGC-01 | 8/15/1996 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 9/30/1996 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 11/4/1996 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 12/19/1996 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 1/30/1997 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 ATGC-01 | 3/6/1997 4/17/1997 | SILVER, DISSOLVED (UG/L AS AG) SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K K |
| ATGC-01 ATGC-01 | 6/4/1997 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L μg/L | K |
| ATGC-01 ATGC-01 | 7/11/1997 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L µg/L | ĸ K |
| ATGC-01 | 8/18/1997 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 9/25/1997 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 11/10/1997 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 12/17/1997 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 1/22/1998 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 2/25/1998 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 4/15/1998 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 5/20/1998 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 6/18/1998 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 ATGC-01 | 7/29/1998 | SILVER, DISSOLVED (UG/LASAG) | | µg/L | K K |
| ATGC-01 ATGC-01 | 9/16/1998 10/22/1998 | SILVER, DISSOLVED (UG/L AS AG) SILVER, DISSOLVED (UG/L AS AG) | | μg/L μg/L | к К |
| ATGC-01 ATGC-01 | 11/23/1998 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L µg/L | ĸ K |
| ATGC-01 | 1/28/1999 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 2/17/1999 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 3/29/1999 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 5/7/1999 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 7/6/1999 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 8/17/1999 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 9/23/1999 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 11/4/1999 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 12/17/1999 | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 1/26/2000 | SILVER, DISSOLVED (UG/L AS AG) | 3 | μg/L | K |

| ATGC-01 910200 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 450200 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 5224500 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1922000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1922000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1922000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1922000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1922000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1942000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1942000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1942000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1942000 Skurett, DSSC, VED, UGA, AS AG) SigL K ATGC-01 1942000 Skurett, DSSC, VED, UGA, AS AG) SigL | | Data | Ormale Death Deservator | Description of the last | 11-26- | Demonstration of the |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------------------------|-------------------------|--------|----------------------|
| ATGC-01 4/190000 SkiVER, ISSOUVED IGLA, AS AG) Sip1. K ATGC-01 6/20000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 6/20000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/190000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/190000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/190000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/190000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/10000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/10000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/10000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 21/10000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 21/10000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. K ATGC-01 11/10000 SkiVER, ISSOUVED IGLA, AS AG) Sip2. | Station ID | | | | | |
| ATGC-01 Spirat R ATGC-01 Spirat Signt K ATGC-01 Struck (DSSG) VPD (IGL AS AG) Signt K ATGC-01 Struck (DSSG) VPD (IGL AS AG) Signt K ATGC-01 1002000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 1102000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 1102000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 1102000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 1102000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 11772000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 11772000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 11772000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 11772000 Sitver (DSGG) VPD (IGL AS AG) Signt K ATGC-01 11772000 Sitver (DSGG) VPD (IGL AS AG) Signt K </td <td></td> <td></td> <td></td> <td></td> <td>10</td> <td></td> | | | | | 10 | |
| ATGC-01 9/222000 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 10/22000 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 10/22000 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/22000 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 4/19001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 7/26001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2000 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K ATGC-01 11/2001 SkUPE, IDSSQ.VED IGA, AS AG) SipL K | | | | | | |
| NTGC-01 91/97L R NTGC-01 102/2000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 211/5200 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 211/5200 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/5200 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01 111/52000 SLVER, ISSOLVED (IGLA, AS AG) Sigl_L K NTGC-01< | | | | | 10 | |
| TAGE-01 10.22000 BILVEP, DISSOLVED (UKA, AS AG) Spint C TAGE-01 11102000 BILVEP, DISSOLVED (UKA, AS AG) Spint C TAGE-01 11102000 BILVEP, DISSOLVED (UKA, AS AG) Spint C TAGE-01 4100200 BILVEP, DISSOLVED (UKA, AS AG) Spint C TAGE-01 442000 BILVEP, DISSOLVED (UKA, AS AG) Spint C TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 1172000 BILVEP, DISSOLVED (UKA, AS AG) Spint Spint TAGE-01 11720000 BILVEP, DISSOLVED (UKA, AS AG) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| NTGC 11 11/15/2001 SLUPE, DISSOLVED (GLA, AS AG) 3 3 C NTGC 10 11/16/201 SLUPE, DISSOLVED (GLA, AS AG) 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | ATGC-01 | | | | | |
| ATGC-01 4/192001 BILVER, DSSOLVED (UGL AS AG) 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | ATGC-01 | 11/15/2000 | | | | К |
| ATGC-01 7.052001 BLVEP, DSSOLVED (UGL AS AG) 3 1 L ATGC-01 14.0201 BLVEP, DSSOLVED (UGL AS AG) 3 1 1 K ATGC-01 117.0202 BLVEP, DSSOLVED (UGL AS AG) 3 1 K ATGC-01 117.0202 BLVEP, DSSOLVED (UGL AS AG) 3 1 K ATGC-01 24.0201 BLVEP, DSSOLVED (UGL AS AG) 3 1 K ATGC-01 24.0201 BLVEP, DSSOLVED (UGL AS AG) 3 1 K ATGC-01 54.0202 BLVEP, DSSOLVED (UGL AS AG) 3 1 K ATGC-01 54.02002 BLVEP, DSSOLVED (UGL AS AG) 3 1 1 K ATGC-01 54.02002 BLVEP, DSSOLVED (UGL AS AG) 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td>ATGC-01</td> <td>1/10/2001</td> <td>SILVER, DISSOLVED (UG/L AS AG)</td> <td>3</td> <td>µg/L</td> <td>К</td> | ATGC-01 | 1/10/2001 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 94/2001 SHLVER, DISSOLVED (UGL AS AG) SPpL K ATGC-01 117/2002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 177/2002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 227/2002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 227/2002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 247/2002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 171/2002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 1702002 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 1202003 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 1202003 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 97/2003 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 97/2003 SHLVER, DISSOLVED (UGL AS AG) SppL K ATGC-01 97/2003 SHLVER, DISSOLVED (UGL AS AG) SppL K <td>ATGC-01</td> <td>4/19/2001</td> <td>SILVER, DISSOLVED (UG/L AS AG)</td> <td>3</td> <td>µg/L</td> <td>К</td> | ATGC-01 | 4/19/2001 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 11/1/2001 SULVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 221/2002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 221/2002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 222/2002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 422/2002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 192/2002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 192/2002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 192/2003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 91/2003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 91/2003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 91/2003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 91/2003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 91/2003 SILVER, DISSOLVED (UGL AS AG) Sippl. <td>ATGC-01</td> <td>7/26/2001</td> <td>SILVER, DISSOLVED (UG/L AS AG)</td> <td>3</td> <td>µg/L</td> <td>К</td> | ATGC-01 | 7/26/2001 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 (1717002) SULVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 2201002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 2201002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 4220002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7162002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7162002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7162002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7302003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7302003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7402003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7402003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7402004 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 7402004 SILVER, DISSOLVED (UGL AS AG) Sippl. | ATGC-01 | 9/4/2001 | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| TGC 01 221/2002 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 202002 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 424502 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 642602 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 71782002 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 642602 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 952000 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 952000 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 972000 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 972000 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 17122003 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 17122003 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K TGC 01 17122003 SHUKR, DISSOLVED (UGL AS AG) 3 µpL K <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| ATGC-01 3202002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 6240002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 6420002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 716002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 716002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 716002 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 750003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 770003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 770003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 770003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 770003 SILVER, DISSOLVED (UGL AS AG) Sippl. K ATGC-01 770003 SILVER, DISSOLVED (UGL AS AG) Sippl. NO ATGC-01 772000 SILVER, DISSOLVED (UGL AS AG) Sippl. NO< | | | | | | |
| ATGC-11 4.24/2002 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-10 71/52002 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-10 71/52002 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 71/52002 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 73/52003 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 73/52003 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 73/52003 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 87/52003 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 97/42003 SLVER, DISSOLVED (UGL AS AG) 3 JpL K ATGC-01 19/152003 SLVER, DISSOLVED (UGL AS AG) 3 JpL K K ATGC-01 19/122004 SLVER, DISSOLVED (UGL AS AG) 3 JpL K K ATGC-01 19/122004 SLVER, DISSOLVED (UGL AS AG) 3 JpL K K K ATGC-01 19/22004 | | | | | | |
| NTGC-01 64/2002 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 7/15/2002 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 7/15/2002 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 3/16/2003 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 3/16/2003 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 3/16/2003 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 3/16/2003 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 9/16/2003 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 11/18/2004 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 11/18/2004 SLVER, DISSOLVED (UGL AS AG) 3 LpL K NTGC-01 11/18/2004 SLVER, DISSOLVED (UGL AS AG) JpL ND NTGC-01 11/18/2004 SLVER, DISSOLVED (UGL AS AG) JpL ND NTGC-01 11/18/2004 SLVER, DISSOLVED (UGL AS AG) JpL | | | | | | |
| ATGC-01 77.952002 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. K ATGC-01 18.992002 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 18.992002 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 3.982003 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 5.982003 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 6.982003 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 6.982003 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 9.492003 SILVER, DISSOLVED (UCL, AS AG) 3 Jupl. - ATGC-01 19.49204 SILVER, DISSOLVED (UCL, AS AG) Jupl. - ATGC-01 19.49204 SILVER, DISSOLVED (UCL, AS AG) Jupl. ND ATGC-01 19.49204 SILVER, DISSOLVED (UCL, AS AG) Jupl. ND ATGC-01 9.49204 SILVER, DISSOLVED (UCL, AS AG) Jupl. ND ATGC-01 9.492004 SILVER, DISSOLVED (UCL, AS AG)< | | | | | | К |
| ATGC-01 8192002 SILVER, DISSOLVED (UCLAS AG) Sight K ATGC-01 1302003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 357003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 357003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 6472003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 6472003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 6472003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 1472003 SILVER, DISSOLVED (UCLAS AG) Silget - ATGC-01 14742004 SILVER, DISSOLVED (UCLAS AG) Silget ND ATGC-01 14742004 SILVER, DISSOLVED (UCLAS AG) Silget ND ATGC-01 9742004 SILVER, DISSOLVED (UCLAS AG) Silget ND ATGC-01 9742004 SILVER, DISSOLVED (UCLAS AG) Silget ND ATGC-01 9742004 SILVER, DISSOLVED (UCLAS AG) Silget ND </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>K</td> | | | | | | K |
| ATGC-01 1702-003 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 352000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 352000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 652000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 674000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 6740000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 9740003 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 1710000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 1710000 SILVER, DISSOLVED (UGL AS AG) 3 Jupl. ATGC-01 9740004 SILVER, DISSOLVED (UGL AS AG) Jupl. ND ATGC-01 9740004 SILVER, DISSOLVED (UGL AS AG) Jupl. ND ATGC-01 9742004 SILVER, DISSOLVED (UGL AS AG) Jupl. ND ATGC-01 972004 SILVER, DISSOLVED (UGL AS AG) Jupl. ND ATGC-01 972004 SILVER, DISSOLVED (UGL AS AG) Jupl. ND< | | | | | | |
| ATGC-01 35/2003 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 36/2003 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 6/20203 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 8/12003 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 8/12003 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 8/12003 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 10/15/2003 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 11/14/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 11/14/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 11/14/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 9/12/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 9/12/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 19/12/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 19/12/2004 BILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 19/22/2004 | | | | | | ĸ |
| ATGC-01 3292003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 6/82003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 6/82003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 9/42003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 9/42003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 11/162003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 11/162003 BILVEP, DISSOLVED (UGL, AS AG) 3 µg/L ATGC-01 11/162003 BILVEP, DISSOLVED (UGL, AS AG) 9 µg/L ND ATGC-01 11/162004 BILVEP, DISSOLVED (UGL, AS AG) µg/L ND ATGC-01 6/92004 BILVEP, DISSOLVED (UGL, AS AG) µg/L ND ATGC-01 6/92004 BILVEP, DISSOLVED (UGL, AS AG) µg/L ND ATGC-01 6/92004 BILVEP, DISSOLVED (UGL, AS AG) µg/L ND ATGC-01 6/92004 BILVEP, DISSOLVED (UGL, AS AG) µg/L ND ATGC-01 6/92004 BILVEP, DISSOLVED (UGL | | | | | | |
| $\begin{split} \begin{tabular}{l l l l l l l l l l l l l l l l l l l $ | | | | | | |
| ATGC-01 6/18/2003 SILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 94/2003 SILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 94/2003 SILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 10/15/2003 SILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 11/16/2003 SILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 11/16/2004 SILVEP, DISSOLVED (UGL, AS AG) 3 pgL ATGC-01 11/16/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 51/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 69/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 69/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 69/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 69/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 69/2004 SILVEP, DISSOLVED (UGL, AS AG) 9 pL ND ATGC-01 69/2004 SILVEP | ATGC-01 | | | | | 1 |
| ATGC-01 87/003 SLVER, DISSOLVED (UGL AS AG) 3/pdL ATGC-01 10152003 SLVER, DISSOLVED (UGL AS AG) 3/pdL ATGC-01 110152003 SLVER, DISSOLVED (UGL AS AG) 3/pdL ATGC-01 11142004 SLVER, DISSOLVED (UGL AS AG) 3/pdL ATGC-01 11142004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 4142004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 4142004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 6192004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 6192004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 19202004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 12202004 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 12202006 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 12202005 SLVER, DISSOLVED (UGL AS AG) #pdL ND ATGC-01 12202005 <td< td=""><td>ATGC-01</td><td></td><td></td><td></td><td></td><td></td></td<> | ATGC-01 | | | | | |
| ATGC-01 94/2003 SILVER, DISSOLVED (UGL, AS AG) 31/9/L ATGC-01 10115/2003 SILVER, DISSOLVED (UGL, AS AG) 31/9/L ATGC-01 11118/2003 SILVER, DISSOLVED (UGL, AS AG) 31/9/L ATGC-01 2119/2004 SILVER, DISSOLVED (UGL, AS AG) 31/9/L ATGC-01 2119/2004 SILVER, DISSOLVED (UGL, AS AG) 31/9/L ATGC-01 511/22004 SILVER, DISSOLVED (UGL, AS AG) 3/9/L ATGC-01 511/22004 SILVER, DISSOLVED (UGL, AS AG) 3/9/L ATGC-01 511/22004 SILVER, DISSOLVED (UGL, AS AG) 3/9/L ATGC-01 1027/2004 SILVER, DISSOLVED (UGL, AS AG) 3/9/L ATGC-01 1027/2004 SILVER, DISSOLVED (UGL, AS AG) 3/9/L NO ATGC-01 127/2005 SILVER, DISSOLVED (UGL, AS AG) 3/9/L NO ATGC-01 127/2005 SILVER, DISSOLVED (UGL, AS AG) 3/9/L NO ATGC-01 127/2005 SILVER, DISSOLVED (UGL, AS AG) 3/9/L NO ATGC-01 127/20005 SILVER, DISSOLVED (UGL, AS AG) | ATGC-01 | | | | | |
| ATGC-01 11/18/2003 SLVER, DISSOLVED (UGL AS AG) 31/9L ATGC-01 11/14/2004 SLVER, DISSOLVED (UGL AS AG) 31/9L ATGC-01 21/12/2004 SLVER, DISSOLVED (UGL AS AG) 31/9L ATGC-01 21/12/2004 SLVER, DISSOLVED (UGL AS AG) 31/9L ND ATGC-01 51/12/2004 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 91/12/004 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 91/12/004 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 10/27/2004 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 10/27/2004 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 12/27/2005 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 12/27/2005 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 12/27/2005 SLVER, DISSOLVED (UGL AS AG) 3/9L ND ATGC-01 12/27/2005 SLVER, DISSOLVED (UGL AS AG) 3/9L ND A | ATGC-01 | 9/4/2003 | SILVER, DISSOLVED (UG/L AS AG) | | | |
| ATGC-01 11/18/2003 SILVER, DISSOLVED (UGL AS AG) 3 japl. ATGC-01 21/19/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 21/19/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 51/12/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 51/12/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 81/12/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 91/22/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 10/27/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 12/22/2004 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 12/22/2005 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 12/22/2005 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 12/22/2005 SILVER, DISSOLVED (UGL AS AG) japl. ND ATGC-01 12/22/2005 SILVER, DISSOLVED (UGL AS AG) < | ATGC-01 | 10/15/2003 | | | | |
| ATGC-01 21/92004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 51/22004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 51/22004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 61/92004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 81/12004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 1027/2004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 1222/2004 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 122/2006 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 22/2/2005 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 5/2/2/2006 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 5/2/2/2005 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 5/2/2/2006 SILVER, DISSOLVED (UGL AS AG) upl. ND ATGC-01 10/2/2/2006 SILVER, DISSOLVED (UGL AS AG) upgl. | ATGC-01 | 11/18/2003 | SILVER, DISSOLVED (UG/L AS AG) | | | |
| ATGC-01 4/14/2004 SILVER, DISSOLVED (UGL AS AG) ip1 ND ATGC-01 6/9/2004 SILVER, DISSOLVED (UGL AS AG) jp1 ND ATGC-01 6/9/2004 SILVER, DISSOLVED (UGL AS AG) jp1 ND ATGC-01 9/8/2004 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 10/27/2004 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 10/27/2004 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 1/27/2006 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 1/27/2006 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 1/27/2006 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 4/3/2006 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 4/3/2006 SILVER, DISSOLVED (UGL AS AG) jp2 ND ATGC-01 1/26/2005 SILVER, DISSOLVED (UGL AS AG) jp3 ND ATGC-01 1/26/2005 SILVER, DISSOLVED (UGL AS AG) jp3 <t< td=""><td>ATGC-01</td><td></td><td></td><td>3</td><td>μg/L</td><td></td></t<> | ATGC-01 | | | 3 | μg/L | |
| ATGC-01 5/12/2004 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 8/11/2004 SILVER, DISSOLVED (UGL AS AG) 3/19/1 ND ATGC-01 8/11/2004 SILVER, DISSOLVED (UGL AS AG) 1/19/1 ND ATGC-01 10/27/2004 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/27/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 12/27/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 12/27/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 5/2/2006 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 5/2/2006 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 7/2/2006 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/2/2006 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/2/2006 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/2/2006 SILVER, DISSOLVED (UGL AS AG) <t< td=""><td>ATGC-01</td><td></td><td></td><td></td><td></td><td></td></t<> | ATGC-01 | | | | | |
| ATGC-01 69/2004 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 98/2004 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 19/22004 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 12/22004 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 12/27006 SILVER, DISSOLVED (UGL AS AG) jpgL NO ATGC-01 12/27006 SILVER, DISSOLVED (UGL AS AG) jpgL NO ATGC-01 41/27005 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 62/27005 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 62/27005 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 72/27005 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 12/27/2005 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 12/26/2005 SILVER, DISSOLVED (UGL AS AG) jpgL ND ATGC-01 12/26/2005 SILVER, TOTAL (UGL AS AG) jpgL | ATGC-01 | | | | | |
| ATGC-01 8/11/2004 SILVER, DISSOLVED (UGL AS AG) 3.6 μgl. ND ATGC-01 9/82/004 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 12/20/2004 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 12/20/2004 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 12/21/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 22/4/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 7/22/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 7/22/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 7/22/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/21/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/21/2005 SILVER, DISSOLVED (UGL AS AG) μgl. ND ATGC-01 10/21/2005 SILVER, DISSOLVED (UGL AS AG) μgl. K ATGC-01 10/21/2005 SILVER, DISALVER | | | | | | |
| ATGC-01 99/2004 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 1027/2004 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 12/20/204 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 12/20/205 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 4/13/2005 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 4/13/2005 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 6/22/2005 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 9/12/2005 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 9/15/2005 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 12/6/2005 SILVER, DISSOLVED (UGL AS AG) µpl. ND ATGC-01 12/6/2005 SILVER, TOTAL (UGL AS AG) µpl. ND ATGC-01 12/6/2005 SILVER, TOTAL (UGL AS AG) 3µpl. K ATGC-01 12/6/2005 SILVER, TOTAL (UGL AS AG) 3µpl. | | | | | | ND |
| ATGC-01 1027/2004 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 12220204 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 12220205 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 2242005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 5232005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 5232005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 7202005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 7202005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 10312005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 10242005 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 1262006 SILVER, DISSOLVED (UGL AS AG) µpL ND ATGC-01 1262005 SILVER, TOTAL (UGL AS AG) µpL ND ATGC-01 1262090 SILVER, TOTAL (UGL AS AG) µpL K <t< td=""><td></td><td></td><td></td><td>3.6</td><td></td><td></td></t<> | | | | 3.6 | | |
| ATGC-01 122/02/04 BILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 1/27/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 2/24/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 4/13/2006 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 6/23/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 6/23/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 1/26/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 1/26/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 1/26/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 1/26/2005 SILVER, TOTAL (UGL AS AG) 3 µgL K ATGC-01 1/26/1900 SILVER, TOTAL (UGL AS AG) 3 µgL K ATGC-01 3/1/1990 SILVER, TOTAL (UGL AS AG) 3 µgL K ATGC-01 6/14/1990 SILVER, TOTAL (UGL AS AG) 3 µgL K | | | | | 10 | |
| ATGC-01 127/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 2/24/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 4/13/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 6/23/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 6/23/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 7/20/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µgL ND ATGC-01 11/28/1990 SILVER, TOTAL (UGL AS AG) µgL K ATGC-01 31/1990 SILVER, TOTAL (UGL AS AG) 3 µgL K ATGC-01 51/4/1990 SILVER, TOTAL (UGL AS AG) 3 µgL K ATGC-01 71/4/1990 SILVER, TOTAL (UGL AS AG) 3 µgL K ATGC-01 71/4/1990 SILVER, TOTAL (UGL AS AG) 3 µgL K | | | | | | |
| ATGC-01 22/42005 SILVER, DISSOLVED (UGL AS AG) jpt ND ATGC-01 4/13/2005 SILVER, DISSOLVED (UGL AS AG) µpt ND ATGC-01 5/23/2005 SILVER, DISSOLVED (UGL AS AG) µpt ND ATGC-01 6/29/2005 SILVER, DISSOLVED (UGL AS AG) µpt ND ATGC-01 7/20/2005 SILVER, DISSOLVED (UGL AS AG) µpt ND ATGC-01 9/15/2005 SILVER, DISSOLVED (UGL AS AG) µpt ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µpt ND ATGC-01 12/26/900 SILVER, TOTAL (UGL AS AG) µpt ND ATGC-01 12/26/901 SILVER, TOTAL (UGL AS AG) 3 µpt K ATGC-01 4/11/1990 SILVER, TOTAL (UGL AS AG) 3 µpt K ATGC-01 6/14/1990 SILVER, TOTAL (UGL AS AG) 3 µpt K ATGC-01 1/14/1990 SILVER, TOTAL (UGL AS AG) 3 µpt K ATGC-01 1/14/1990 SILVER, TOTAL (UGL AS AG) 3 µpt K </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 4/13/2005 SILVER, DISSOLVED (UGL AS AG) μg/L ND ATGC-01 5/23/2005 SILVER, DISSOLVED (UGL AS AG) μg/L ND ATGC-01 6/29/2005 SILVER, DISSOLVED (UGL AS AG) μg/L ND ATGC-01 7/20/2005 SILVER, DISSOLVED (UGL AS AG) μg/L ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) μg/L ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) μg/L ND ATGC-01 12/26/2005 SILVER, DISSOLVED (UGL AS AG) μg/L K ATGC-01 12/26/2005 SILVER, TOTAL (UGL AS AG) 3 μg/L K ATGC-01 3/71/980 SILVER, TOTAL (UGL AS AG) 3 μg/L K ATGC-01 5/14/1990 SILVER, TOTAL (UGL AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UGL AS AG) 3 μg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UGL AS AG) 3 μg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UGL AS AG) 3 μg/L | | | | | | |
| ATGC-01 5/23/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 6/23/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 9/15/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 9/15/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 12/25/1980 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 3/7/1980 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| ATGC-01 62/92005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 7/20/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 10/31/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 12/26/2005 SILVER, TOTAL (UGL AS AG) µg/L ND ATGC-01 12/26/2005 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/25/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/31/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K | ATGC-01 | | | | | |
| ATGC-01 9/15/2005 SILVER, DISSOLVED (UG/L AS AG) µg/L ND ATGC-01 10/31/2006 SILVER, DISSOLVED (UG/L AS AG) µg/L ND ATGC-01 12/62/2005 SILVER, DISSOLVED (UG/L AS AG) µg/L ND ATGC-01 12/62/2005 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/1/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 13/3/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L | ATGC-01 | | SILVER, DISSOLVED (UG/L AS AG) | | | ND |
| ATGC-01 10/31/2005 SILVER, DISSOLVED (UG/L AS AG) µg/L ND ATGC-01 12/6/2005 SILVER, DISSOLVED (UG/L AS AG) µg/L ND ATGC-01 12/25/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 1/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L | ATGC-01 | 7/20/2005 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | ND |
| ATGC-01 126/2005 SILVER, DISSOLVED (UGL AS AG) µg/L ND ATGC-01 1/25/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 3/17/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 5/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UGL AS AG) 7 µg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 3/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K | ATGC-01 | 9/15/2005 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | ND |
| ATGC-01 1/25/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 37/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/14/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/24/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1990 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 3/3/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 3/17/1991 SILVER, TOTAL (UGL AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, TOTAL (UGL AS AG) 5 µg/L K <t< td=""><td>ATGC-01</td><td>10/31/2005</td><td>SILVER, DISSOLVED (UG/L AS AG)</td><td></td><td>µg/L</td><td></td></t<> | ATGC-01 | 10/31/2005 | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | |
| ATGC-01 37/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 4/11/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 5/14/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 1/2/11990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 3/1/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K | ATGC-01 | | | | | |
| ATGC-01 4/11/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UG/L AS AG) 7 μg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 7 μg/L K ATGC-01 11/20/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 3/3/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K | | | | | | |
| ATGC-01 5/14/1990 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UG/L AS AG) 7 μg/L K ATGC-01 10/20/1990 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 13/0/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 13/0/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 6/13/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 6/14/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 7/24/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UG/L AS AG) 7 μg/L K ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 3//9/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 5/13/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 7/24/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/11/1990 SILVER, TOTAL (UG/L AS AG) 7 µg/L ATGC-01 ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K< | | | | | | |
| ATGC-01 9/11/1990 SILVER, TOTAL (UG/L AS AG) 7 µg/L ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 13/20/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 13/0/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µ | | | | | | |
| ATGC-01 10/30/1990 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 13/0/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | n |
| ATGC-01 12/20/1990 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) | | | | | 10 | к |
| ATGC-01 1/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 37/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 5/13/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 3 μg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 12/2/1992 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 2/2/5/1992 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 | ATGC-01 | | | | | |
| ATGC-01 3/7/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | ATGC-01 | | | | | |
| ATGC-01 4/9/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 5/13/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 | ATGC-01 | | | | | |
| ATGC-01 5/13/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/11/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 11/2/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/9/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K </td <td>ATGC-01</td> <td></td> <td></td> <td></td> <td></td> <td></td> | ATGC-01 | | | | | |
| ATGC-01 7/18/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/5/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 6 | ATGC-01 | 5/13/1991 | | 5 | µg/L | K |
| ATGC-01 9/30/1991 SILVER, TOTAL (UG/L AS AG) 3 µg/L K ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/2/5/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K | ATGC-01 | 6/11/1991 | | | | |
| ATGC-01 11/7/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/21/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 </td <td>ATGC-01</td> <td></td> <td></td> <td></td> <td></td> <td></td> | ATGC-01 | | | | | |
| ATGC-01 12/9/1991 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/21/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | ATGC-01 | | | | | |
| ATGC-01 1/21/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| ATGC-01 2/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 3/26/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 4/28/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 6/25/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 8/10/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 9/2/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 µg/L ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 µg/L K | | | | | | |
| ATGC-01 10/6/1992 SILVER, TOTAL (UG/L AS AG) 6 μg/L ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K | ATGC-01 | | | | | |
| ATGC-01 12/1/1992 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K | ATGC-01 | | | | | |
| ATGC-01 1/5/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L K | ATGC-01 | | | | | К |
| ATGC-01 2/10/1993 SILVER, TOTAL (UG/L AS AG) 5 μg/L Κ | ATGC-01 | | | | | |
| ATGC-01 3/18/1993 SILVER, TOTAL (UG/L AS AG) 3 µg/L K | ATGC-01 | 2/10/1993 | SILVER, TOTAL (UG/L AS AG) | | | K |
| | ATGC-01 | 3/18/1993 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |

| Ctation ID | | Comula Danih Baramatar | Desult Value | l luite | Demerly Code |
|-----------------------|--------------------------|----------------------------------------------------------|--------------|---------------|------------------|
| Station ID ATGC-01 | Date 5 | Sample Depth Parameter SILVER, TOTAL (UG/L AS AG) | Result Value | units µg/L | Remark Code K |
| ATGC-01 | 6/8/1993 | SILVER, TOTAL (UG/L AS AG) | | µg/L µg/L | ĸ |
| ATGC-01 | 7/13/1993 | SILVER, TOTAL (UG/L AS AG) | | μg/L | ι. |
| ATGC-01 | 9/16/1993 | SILVER, TOTAL (UG/L AS AG) | | μg/L | к |
| ATGC-01 | 11/15/1993 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 12/14/1993 | SILVER, TOTAL (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 1/13/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 2/22/1994 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 4/20/1994 | SILVER, TOTAL (UG/L AS AG) | 3 | μg/L | К |
| ATGC-01 | 5/17/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 6/22/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 8/11/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 9/22/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 11/1/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 12/19/1994 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 1/24/1995 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 2/28/1995 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 4/19/1995 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 5/23/1995 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 ATGC-01 | 7/3/1995 | SILVER, TOTAL (UG/L AS AG) SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| | 8/10/1995 | , , , , | | μg/L | к |
| ATGC-01 ATGC-01 | 9/7/1995 | SILVER, TOTAL (UG/L AS AG) | | μg/L μg/L | K |
| ATGC-01 ATGC-01 | 10/16/1995 11/21/1995 | SILVER, TOTAL (UG/L AS AG) SILVER, TOTAL (UG/L AS AG) | | µg/L µg/L | K |
| ATGC-01 ATGC-01 | 1/2/1995 | SILVER, TOTAL (UG/L AS AG) | | µg/L µg/L | ĸ |
| ATGC-01 | 2/8/1996 | SILVER, TOTAL (UG/L AS AG) | | µg/L µg/L | ĸ |
| ATGC-01 | 4/15/1996 | SILVER, TOTAL (UG/L AS AG) | | µg/L µg/L | ĸ |
| ATGC-01 | 5/23/1996 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 6/13/1996 | SILVER, TOTAL (UG/L AS AG) | | μg/L | к |
| ATGC-01 | 8/15/1996 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 9/30/1996 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 11/4/1996 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 12/19/1996 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 1/30/1997 | SILVER, TOTAL (UG/L AS AG) | 3 | μg/L | К |
| ATGC-01 | 3/6/1997 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 4/17/1997 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 6/4/1997 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 7/11/1997 | SILVER, TOTAL (UG/L AS AG) | 3 | μg/L | К |
| ATGC-01 | 8/18/1997 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 9/25/1997 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 11/10/1997 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 12/17/1997 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 1/22/1998 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 2/25/1998 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 4/15/1998 | SILVER, TOTAL (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 5/20/1998 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 6/18/1998 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 7/29/1998 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 9/16/1998 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 ATGC-01 | 10/22/1998 11/23/1998 | SILVER, TOTAL (UG/L AS AG) SILVER, TOTAL (UG/L AS AG) | | μg/L μg/L | K |
| ATGC-01 | 1/28/1998 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 2/17/1999 | SILVER, TOTAL (UG/L AS AG) | | µg/L µg/L | ĸ |
| ATGC-01 | 3/29/1999 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 5/7/1999 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 7/6/1999 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 8/17/1999 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 9/23/1999 | SILVER, TOTAL (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 11/4/1999 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 12/17/1999 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 1/26/2000 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGC-01 | 3/1/2000 | SILVER, TOTAL (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 4/19/2000 | SILVER, TOTAL (UG/L AS AG) | | µg/L | К |
| ATGC-01 | 5/24/2000 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 6/22/2000 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 8/16/2000 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 10/2/2000 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 11/15/2000 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 1/10/2001 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 | 4/19/2001 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 7/26/2001 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 9/4/2001 | SILVER, TOTAL (UG/L AS AG) | | μg/L | K |
| ATGC-01 | 11/1/2001 | SILVER, TOTAL (UG/L AS AG) | | µg/L | K |
| ATGC-01 ATGC-01 | 1/17/2002 | SILVER, TOTAL (UG/L AS AG) | | μg/L μg/l | К К |
| ATGC-01 ATGC-01 | 2/21/2002 3/20/2002 | SILVER, TOTAL (UG/L AS AG) SILVER, TOTAL (UG/L AS AG) | | µg/L µg/l | ĸ K |
| 7100-01 | 3/20/2002 | SILVER, IVIAL (UG/LASAG) | 3 | µg/L | IN |

| Otation ID | Dete | Ormula Dauth Drasmatan | Description of the second | 11-26- | |
|-----------------------|-------------------------|--------------------------------------------------------------|---------------------------|---------------|-------------|
| Station ID ATGC-01 | Date 4/24/2002 | Sample Depth Parameter SILVER, TOTAL (UG/L AS AG) | Result Value | Units µg/L | Remark Code |
| ATGC-01 ATGC-01 | 6/4/2002 | SILVER, TOTAL (UG/L AS AG) | | μg/L μg/L | n. |
| ATGC-01 | 7/15/2002 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 8/19/2002 | SILVER, TOTAL (UG/L AS AG) | | μg/L | К |
| ATGC-01 | 1/30/2003 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 3/5/2003 | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | |
| ATGC-01 | 3/26/2003 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 5/6/2003 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 6/18/2003 | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-01 | 8/7/2003 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 ATGC-01 | 9/4/2003 10/15/2003 | SILVER, TOTAL (UG/L AS AG) SILVER, TOTAL (UG/L AS AG) | | μg/L μg/L | |
| ATGC-01 | 11/18/2003 | SILVER, TOTAL (UG/LAS AG) | | µg/L | |
| ATGC-01 | 1/14/2004 | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGC-01 | 2/19/2004 | SILVER, TOTAL (UG/L AS AG) | - | µg/L | ND |
| ATGC-01 | 4/14/2004 | SILVER, TOTAL (UG/L AS AG) | | μg/L | ND |
| ATGC-01 | 5/12/2004 | SILVER, TOTAL (UG/L AS AG) | | µg/L | ND |
| ATGC-01 | 6/9/2004 | SILVER, TOTAL (UG/L AS AG) | | µg/L | ND |
| ATGC-01 | 8/11/2004 | SILVER, TOTAL (UG/L AS AG) | | μg/L | ND |
| ATGC-01 | 9/8/2004 | SILVER, TOTAL (UG/L AS AG) | | µg/L | ND |
| ATGC-01 | 10/27/2004 | SILVER, TOTAL (UG/L AS AG) | - | µg/L | ND |
| ATGC-01 ATGC-01 | 12/20/2004 1/27/2005 | SILVER, TOTAL (UG/L AS AG) SILVER, TOTAL (UG/L AS AG) | | µg/L | ND ND |
| ATGC-01 ATGC-01 | 2/24/2005 | SILVER, TOTAL (UG/L AS AG) | + | μg/L μg/L | ND |
| ATGC-01 | 4/13/2005 | SILVER, TOTAL (UG/L AS AG) | 1 | µg/L | ND |
| ATGC-01 | 5/23/2005 | SILVER, TOTAL (UG/L AS AG) | 1 | µg/L | ND |
| ATGC-01 | 6/29/2005 | SILVER, TOTAL (UG/L AS AG) | 1 | µg/L | ND |
| ATGC-01 | 7/20/2005 | SILVER, TOTAL (UG/L AS AG) | | µg/L | ND |
| ATGC-01 | 9/15/2005 | SILVER, TOTAL (UG/L AS AG) | | µg/L | ND |
| ATGC-01 | 10/31/2005 | SILVER, TOTAL (UG/L AS AG) | | µg/L | ND |
| ATGC-01 | 12/6/2005 | SILVER, TOTAL (UG/L AS AG) | | μg/L | ND |
| ATGC-01 | 1/25/1990 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 3/7/1990 4/11/1990 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 ATGC-01 | 5/14/1990 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 | 6/14/1990 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/24/1990 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 9/11/1990 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 10/30/1990 | SULFATE, TOTAL (MG/L AS SO4) | 2427 | mg/L | |
| ATGC-01 | 12/20/1990 | SULFATE, TOTAL (MG/L AS SO4) | 1035 | mg/L | |
| ATGC-01 | 1/30/1991 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 3/7/1991 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/9/1991 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 ATGC-01 | 5/13/1991 6/11/1991 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 | 7/18/1991 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 9/30/1991 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 11/7/1991 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 12/9/1991 | SULFATE, TOTAL (MG/L AS SO4) | 950 | mg/L | |
| ATGC-01 | 1/21/1992 | SULFATE, TOTAL (MG/L AS SO4) | 1280 | mg/L | |
| ATGC-01 | 2/25/1992 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 3/26/1992 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/28/1992 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 ATGC-01 | 6/25/1992 8/10/1992 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 ATGC-01 | 9/2/1992 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 | 12/1/1992 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/5/1993 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 2/10/1993 | SULFATE, TOTAL (MG/L AS SO4) | 1530 | mg/L | |
| ATGC-01 | 3/18/1993 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/22/1993 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 6/8/1993 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/13/1993 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 ATGC-01 | 9/16/1993 11/15/1993 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 ATGC-01 | 12/14/1993 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/13/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 2/22/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/20/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 5/17/1994 | SULFATE, TOTAL (MG/L AS SO4) | 1710 | mg/L | |
| ATGC-01 | 6/22/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 8/11/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 9/22/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 11/1/1994 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/l | |
| ATGC-01 ATGC-01 | 12/19/1994 1/24/1995 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| | 1/24/1995 | SULFATE, TOTAL (INIG/L AS SU4) | 97 | ing/∟ | |

| Station ID | Dete | Sample Denth Berometer | Beault Value | Unito | Bomark Cada |
|--------------------|------------------------|--------------------------------------------------------------|--------------|--------------|-------------|
| ATGC-01 | Date 2/28/1995 | Sample Depth Parameter SULFATE, TOTAL (MG/L AS SO4) | Result Value | mg/L | Remark Code |
| ATGC-01 | 4/19/1995 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 5/23/1995 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/3/1995 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 8/10/1995 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 9/7/1995 | SULFATE, TOTAL (MG/L AS SO4) | 195 | mg/L | |
| ATGC-01 | 1/2/1996 | SULFATE, TOTAL (MG/L AS SO4) | 3040 | mg/L | |
| ATGC-01 | 2/8/1996 | SULFATE, TOTAL (MG/L AS SO4) | 1960 | mg/L | |
| ATGC-01 | 4/15/1996 | SULFATE, TOTAL (MG/L AS SO4) | 171 | mg/L | |
| ATGC-01 | 5/23/1996 | SULFATE, TOTAL (MG/L AS SO4) | 1510 | mg/L | |
| ATGC-01 | 6/13/1996 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 11/4/1996 | SULFATE, TOTAL (MG/L AS SO4) | 1600 | 0 | |
| ATGC-01 | 12/19/1996 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/30/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 3/6/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/17/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 6/4/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/11/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 8/18/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 9/25/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 ATGC-01 | 11/10/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| | 12/17/1997 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 ATGC-01 | 1/22/1998 2/25/1998 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | <u> </u> |
| ATGC-01 ATGC-01 | 2/25/1998 5/20/1998 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 ATGC-01 | 5/20/1998 6/18/1998 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 | 7/29/1998 | SULFATE, TOTAL (MG/L AS SO4) | 1350 | | |
| ATGC-01 ATGC-01 | 9/16/1998 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 10/22/1998 | SULFATE, TOTAL (MG/L AS SO4) | 1230 | | |
| ATGC-01 | 11/23/1998 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/28/1999 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 2/17/1999 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 3/29/1999 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/6/1999 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 8/17/1999 | SULFATE, TOTAL (MG/L AS SO4) | 2005 | | |
| ATGC-01 | 9/23/1999 | SULFATE, TOTAL (MG/L AS SO4) | 2240 | | |
| ATGC-01 | 11/4/1999 | SULFATE, TOTAL (MG/L AS SO4) | 2400 | | |
| ATGC-01 | 12/17/1999 | SULFATE, TOTAL (MG/L AS SO4) | 1110 | mg/L | |
| ATGC-01 | 1/26/2000 | SULFATE, TOTAL (MG/L AS SO4) | 2600 | mg/L | |
| ATGC-01 | 4/19/2000 | SULFATE, TOTAL (MG/L AS SO4) | 1300 | mg/L | |
| ATGC-01 | 5/24/2000 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 6/22/2000 | SULFATE, TOTAL (MG/L AS SO4) | 563 | mg/L | |
| ATGC-01 | 8/16/2000 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 11/15/2000 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/10/2001 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/19/2001 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/26/2001 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 9/4/2001 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 11/1/2001 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/17/2002 2/21/2002 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 3/20/2002 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 4/24/2002 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/L | |
| ATGC-01 ATGC-01 | 6/4/2002 | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 ATGC-01 | 7/15/2002 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 8/19/2002 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 5/12/2002 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 6/9/2004 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 8/11/2004 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | 1 |
| ATGC-01 | 9/8/2004 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 10/27/2004 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | l |
| ATGC-01 | 12/20/2004 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 1/27/2005 | SULFATE, TOTAL (MG/L AS SO4) | 856 | mg/L | |
| ATGC-01 | 2/24/2005 | SULFATE, TOTAL (MG/L AS SO4) | 1140 | mg/L | |
| ATGC-01 | 4/13/2005 | SULFATE, TOTAL (MG/L AS SO4) | 829 | mg/L | |
| ATGC-01 | 5/23/2005 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 6/29/2005 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 7/20/2005 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | L |
| ATGC-01 | 9/15/2005 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 10/31/2005 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-01 | 12/6/2005 | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | L |
| ATGC01 | 1/25/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 3/7/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 4/11/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | L |
| ATGC01 | 5/14/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | B |
| ATGC01 | 6/14/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 900 | count/100ml | В |

| Station ID | Data | Sample Denth Devenator | Beault Value | Unito | Bomark Cada |
|----------------------|------------------------|------------------------------------------------------------------------------------------------|--------------|----------------------------|------------------|
| Station ID ATGC01 | Date 7/24/1990 | Sample Depth Parameter FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C | Result Value | count/100ml | Remark Code K |
| ATGC01 | 9/11/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | r. |
| ATGC01 | 10/30/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | к |
| ATGC01 | 12/20/1990 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 1/30/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | ĸ |
| ATGC01 | 3/7/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 4/9/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 480 | count/100ml | |
| ATGC01 | 5/13/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 2200 | count/100ml | |
| ATGC01 | 6/11/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 10 | count/100ml | К |
| ATGC01 | 7/18/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 10 | count/100ml | К |
| ATGC01 | 9/30/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 11/7/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | - | count/100ml | В |
| ATGC01 | 12/9/1991 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 1/21/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 2/25/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 3/26/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 4/28/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 6/25/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | - |
| ATGC01 | 8/10/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 9/2/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | P |
| ATGC01 | 10/6/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 12/1/1992 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 1/5/1993 2/10/1993 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml count/100ml | В |
| ATGC01 | 2/10/1993 3/18/1993 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | | B |
| ATGC01 ATGC01 | 3/18/1993 6/8/1993 | FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C | | count/100ml count/100ml | 0 |
| ATGC01 ATGC01 | 6/8/1993 7/13/1993 | FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C | | count/100ml | |
| ATGC01 | 11/15/1993 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 1/13/1993 | FECAL COLIFORM.MEMBR FILTER.M-FC BROTH.44.5 C | | count/100ml | |
| ATGC01 | 2/22/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 4/20/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 5/17/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 6/22/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 8/11/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 9/22/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 11/1/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 12/19/1994 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 60 | count/100ml | |
| ATGC01 | 1/24/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 26 | count/100ml | В |
| ATGC01 | 2/28/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 690 | count/100ml | |
| ATGC01 | 4/19/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 60 | count/100ml | |
| ATGC01 | 5/23/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 100 | count/100ml | В |
| ATGC01 | 7/3/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 152 | count/100ml | В |
| ATGC01 | 8/10/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 13600 | count/100ml | В |
| ATGC01 | 9/7/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 10/16/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 11/21/1995 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 1/2/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 2/8/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 4/15/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 5/23/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | P |
| ATGC01 ATGC01 | 6/13/1996 8/15/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml count/100ml | B |
| ATGC01 ATGC01 | 9/30/1996 | FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C | | count/100ml | B |
| ATGC01 | 9/30/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | B |
| ATGC01 | 12/19/1996 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 1/30/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | B |
| ATGC01 | 3/6/1997 | FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C | | count/100ml | B |
| ATGC01 | 4/17/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | B |
| ATGC01 | 6/4/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | 1 [°] |
| ATGC01 | 7/11/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 8/18/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | B |
| ATGC01 | 9/25/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | - | count/100ml | |
| ATGC01 | 11/10/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 22 | count/100ml | В |
| ATGC01 | 12/17/1997 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 1/22/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 10 | count/100ml | В |
| ATGC01 | 2/25/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | 18 | count/100ml | В |
| ATGC01 | 4/15/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 5/20/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 6/18/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 7/29/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | |
| ATGC01 | 9/16/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | B |
| ATGC01 | 10/22/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC01 | 11/23/1998 | FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C | | count/100ml | В |
| ATGC-02 | 7/7/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 2071 | | С |
| ATGC-02 | 7/7/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-02 | 9/13/1993 | HARDNESS, TOTAL (MG/L AS CACO3) | 2181 | | С |

| Station ID | Data | Sample Donth | Perometer | Beault Value | Unito | Domark Codo |
|--------------------|-------------------------|--------------|--------------------------------------------------------------|--------------|--------------|------------------|
| ATGC-02 | Date 9/13/1993 | Sample Depth | HARDNESS, TOTAL (MG/L AS CACO3) | Result Value | mg/L | Remark Code C |
| ATGC-02 ATGC-02 | 12/15/1993 | | HARDNESS, TOTAL (MG/LAS CACO3) | 1545 | | C |
| ATGC-02 | 12/15/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGC-02 | 7/7/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 530 | 5 | - |
| ATGC-02 | 9/13/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 150 | | |
| ATGC-02 | 12/15/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 2100 | | |
| ATGC-02 | 7/7/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 560 | | |
| ATGC-02 | 9/13/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 160 | | |
| ATGC-02 | 12/15/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 2100 | | |
| ATGC-02 | 7/7/1993 | | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | |
| ATGC-02 | 9/13/1993 | | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGC-02 | 12/15/1993 | | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGC-02 | 7/7/1993 | | SILVER, TOTAL (UG/L AS AG) | | μg/L | |
| ATGC-02 ATGC-02 | 9/13/1993 7/7/1993 | | SILVER, TOTAL (UG/L AS AG) SULFATE, TOTAL (MG/L AS SO4) | 2070 | µg/L | |
| ATGC-02 ATGC-02 | 9/13/1993 | | SULFATE, TOTAL (MG/LAS SO4) | 1710 | | |
| ATGC-02 ATGC-02 | 12/15/1993 | | SULFATE, TOTAL (MG/L AS SO4) | 1842 | | |
| ATGC-11 | 7/16/2008 | | Chloride, Total | 9.71 | • | |
| ATGC-11 | 8/8/2008 | | Chloride, Total | 12.1 | | |
| ATGC-11 | 9/22/2008 | | Chloride, Total | 11.2 | - | |
| ATGC-11 | 7/16/2008 | | Copper, Total | 6.28 | | J |
| ATGC-11 | 8/8/2008 | | Copper, Total | 5.73 | • | J |
| ATGC-11 | 9/22/2008 | | Copper, Total | 6.09 | | J |
| ATGC-11 | 7/16/2008 | | Hardness, Ca + Mg, Total | 2030000 | • | |
| ATGC-11 | 8/8/2008 | | Hardness, Ca + Mg, Total | 1440000 | • | |
| ATGC-11 | 9/22/2008 | | Hardness, Ca + Mg, Total | 2080000 | ug/l | |
| ATGC-11 | 7/16/2008 | | Manganese, Total | 69.2 | | |
| ATGC-11 | 8/8/2008 | | Manganese, Total | 189 | 0 | |
| ATGC-11 | 9/22/2008 | | Manganese, Total | 87.5 | | |
| ATGC-11 | 7/16/2008 | | Nickel, Total | 2.77 | 0 | J |
| ATGC-11 | 8/8/2008 | | Nickel, Total | 3.09 | <u> </u> | J |
| ATGC-11 | 9/22/2008 | | Nickel, Total | 3.17 | | J |
| ATGC-11 | 7/16/2008 | | Silver, Total | | ug/l | J7,ND |
| ATGC-11 | 8/8/2008 | | Silver, Total | | ug/l | ND |
| ATGC-11 | 9/22/2008 | | Silver, Total | 3.83 | | 1 |
| ATGC-11 ATGC-11 | 7/16/2008 8/8/2008 | | Sulfate, Total Sulfate, Total | | mg/l mg/l | L |
| ATGC-11 ATGC-11 | 9/22/2008 | | Sulfate, Total | 200 | | L J4 |
| ATGC-11 | 7/16/2008 | | Zinc, Total | 2.62 | • | J |
| ATGC-11 | 8/8/2008 | | Zinc, Total | 5.04 | <u> </u> | 1 |
| ATGC-11 | 9/22/2008 | | Zinc, Total | 2.06 | • | J |
| ATGC-11 | 6/7/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 2232 | | C |
| ATGC-11 | 9/13/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 2307 | | С |
| ATGC-11 | 12/15/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 2054 | | С |
| ATGC-11 | 6/7/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 1800 | | |
| ATGC-11 | 9/13/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 860 | | |
| ATGC-11 | 12/15/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 2200 | | |
| ATGC-11 | 6/7/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 1800 | | |
| ATGC-11 | 9/13/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 880 | | |
| ATGC-11 | 12/15/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 2300 | | |
| ATGC-11 | 6/7/1993 | | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGC-11 | 9/13/1993 12/15/1993 | | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/L mg/l | |
| ATGC-11 ATGC-13 | 7/17/2008 | | Chloride, Total | | mg/L mg/l | |
| ATGC-13 ATGC-13 | 8/8/2008 | | Chloride, Total | 9.76 | | |
| ATGC-13 | 9/22/2008 | | Chloride, Total | 11.7 | | |
| ATGC-13 | 7/17/2008 | | Copper, Total | 5.63 | | J |
| ATGC-13 | 8/8/2008 | | Copper, Total | | ug/l | J |
| ATGC-13 | 9/22/2008 | | Copper, Total | 5.91 | <u> </u> | J |
| ATGC-13 | 7/17/2008 | | Hardness, Ca + Mg, Total | 1990000 | • | |
| ATGC-13 | 8/8/2008 | | Hardness, Ca + Mg, Total | 1640000 | | |
| ATGC-13 | 9/22/2008 | | Hardness, Ca + Mg, Total | 1940000 | | |
| ATGC-13 | 7/17/2008 | | Manganese, Total | 212 | ug/l | |
| ATGC-13 | 8/8/2008 | | Manganese, Total | 292 | | |
| ATGC-13 | 9/22/2008 | | Manganese, Total | 62.5 | | |
| ATGC-13 | 7/17/2008 | | Nickel, Total | 3.12 | | J |
| ATGC-13 | 8/8/2008 | | Nickel, Total | 3.94 | | J |
| ATGC-13 | 9/22/2008 | | Nickel, Total | | ug/l | J |
| ATGC-13 | 7/17/2008 | | Silver, Total | | ug/l | J7,ND |
| ATGC-13 | 8/8/2008 | | Silver, Total | | ug/l | ND |
| ATGC-13 | 9/22/2008 | | Silver, Total | 3.22 | | |
| ATGC-13 ATGC-13 | 7/17/2008 8/8/2008 | | Sulfate, Total Sulfate, Total | | mg/l mg/l | |
| ATGC-13 ATGC-13 | 9/22/2008 | | Sulfate, Total | 1730 | | L J4 |
| ATGC-13 ATGC-13 | 9/22/2008 | | Zinc, Total | 3.74 | | J4 J |
| ATGC-13 ATGC-13 | 8/8/2008 | | Zinc, Total | 4.38 | | 1 2 |
| | 0/0/2000 | | | 4.30 | ug/i | ~ |

| | Data | Ormula Dauth | Descussion | Description of the second | 11 | Dama and Davids |
|-----------------------|------------------------|--------------|------------------------------------------------------------------------|---------------------------|--------------|-----------------|
| Station ID ATGC-13 | Date | Sample Depth | | Result Value | | Remark Code |
| ATGC-13 ATGC-15 | 9/22/2008 7/16/2008 | | Zinc, Total Chloride, Total | | ug/l mg/l | J |
| ATGC-15 ATGC-15 | 8/8/2008 | | Chloride, Total | | mg/l | |
| ATGC-15 ATGC-15 | 9/22/2008 | | Chloride, Total | | mg/l | |
| ATGC-15 | 7/16/2008 | | Copper, Total | | ug/l | 1 |
| ATGC-15 | 8/8/2008 | | Copper, Total | 6.44 | Ŭ | J |
| ATGC-15 | 9/22/2008 | | Copper, Total | 6.16 | | .1 |
| ATGC-15 | 7/16/2008 | | Hardness, Ca + Mg, Total | 1860000 | 0 | 0 |
| ATGC-15 | 8/8/2008 | | Hardness, Ca + Mg, Total | 1580000 | - × | |
| ATGC-15 | 9/22/2008 | | Hardness, Ca + Mg, Total | 1890000 | · · | |
| ATGC-15 | 7/16/2008 | | Manganese, Total | 275 | - × | |
| ATGC-15 | 8/8/2008 | | Manganese, Total | 202 | · · | |
| ATGC-15 | 9/22/2008 | | Manganese, Total | 77.4 | - × | |
| ATGC-15 | 7/16/2008 | | Nickel, Total | 2.31 | , v | 1 |
| ATGC-15 | 8/8/2008 | | Nickel, Total | 2.52 | Ŭ. | .1 |
| ATGC-15 | 9/22/2008 | | Nickel, Total | 1.18 | | .1 |
| ATGC-15 | 7/16/2008 | | Silver, Total | | ug/l | J7,ND |
| ATGC-15 | 8/8/2008 | | Silver, Total | | ug/l | ND |
| ATGC-15 | 9/22/2008 | | Silver, Total | 3.34 | 0 | |
| ATGC-15 | 7/16/2008 | | Sulfate, Total | | mg/l | 1 |
| ATGC-15 | 8/8/2008 | | Sulfate, Total | | mg/l | L |
| ATGC-15 ATGC-15 | 9/22/2008 | | Sulfate, Total | 1950 | 0 | L J4 |
| ATGC-15 ATGC-15 | 7/16/2008 | | Zinc, Total | 2.63 | | 1 |
| ATGC-15 ATGC-15 | 8/8/2008 | | Zinc, Total | 3.25 | | .1 |
| ATGC-15 ATGC-15 | 9/22/2008 | | Zinc, Total | 1.31 | | J |
| ATGC-15 ATGH-09 | 7/16/2008 | | Chloride, Total | 23.3 | | 0 |
| ATGH-09 ATGH-09 | 8/8/2008 | | Chloride, Total | 23.3 | | |
| ATGH-09 ATGH-09 | 9/22/2008 | | Chloride, Total | | mg/l | |
| ATGH-09 ATGH-09 | 7/16/2008 | | Copper, Total | 5.74 | | .1 |
| ATGH-09 | 8/8/2008 | | Copper, Total | 6.55 | - × | J |
| ATGH-09 ATGH-09 | 9/22/2008 | | Copper, Total | | ug/l | 3 |
| ATGH-09 | 7/16/2008 | | Hardness, Ca + Mg, Total | 823000 | | 5 |
| ATGH-09 | 8/8/2008 | | Hardness, Ca + Mg, Total | 810000 | , v | 1 |
| ATGH-09 | 9/22/2008 | | Hardness, Ca + Mg, Total | 1250000 | - × | L |
| ATGH-09 | 7/16/2008 | | Manganese, Total | 304 | · · | |
| ATGH-09 | 8/8/2008 | | Manganese, Total | 702 | 0 | |
| ATGH-09 | 9/22/2008 | | Manganese, Total | 162 | , v | |
| ATGH-09 | 7/16/2008 | | Nickel, Total | | ug/l | 1 |
| ATGH-09 ATGH-09 | 8/8/2008 | | Nickel, Total | 49.9 | , v | 5 |
| ATGH-09 | 9/22/2008 | | Nickel, Total | 2.52 | | J |
| ATGH-09 | 7/16/2008 | | Silver, Total | | ug/l | J7,ND |
| ATGH-09 ATGH-09 | 8/8/2008 | | Silver, Total | | ug/l | ND |
| ATGH-09 ATGH-09 | 9/22/2008 | | Silver, Total | 2.01 | | |
| ATGH-09 ATGH-09 | 7/16/2008 | | Sulfate, Total | | mg/l | J |
| ATGH-09 ATGH-09 | 8/8/2008 | | Sulfate, Total | | mg/l | |
| ATGH-09 ATGH-09 | 9/22/2008 | | Sulfate, Total | 1470 | | L J3,J4 |
| ATGH-09 ATGH-09 | 7/16/2008 | | Zinc, Total | 6.21 | | 10,04 |
| ATGH-09 ATGH-09 | 8/8/2008 | | Zinc, Total | 27.9 | Ŭ. | 5 |
| ATGH-09 ATGH-09 | 9/22/2008 | | Zinc, Total | 1.01 | Ŭ. | J |
| ATGH-09 ATGH-09 | 6/17/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 849 | ug/i | C |
| ATGH-09 ATGH-09 | 9/13/1993 | | HARDNESS, TOTAL (MG/LAS CACOS) | 1117 | | C |
| ATGH-09 ATGH-09 | 12/15/1993 | | HARDNESS, TOTAL (MG/LAS CACOS) | 603 | | C |
| ATGH-09 ATGH-09 | 6/17/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 550 | | ~ |
| ATGH-09 ATGH-09 | 9/13/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 250 | | |
| ATGH-09 ATGH-09 | 12/15/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) MANGANESE, DISSOLVED (UG/L AS MN) | 1500 | | |
| ATGH-09 ATGH-09 | 6/17/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 710 | | |
| ATGH-09 | 9/13/1993 | | MANGANESE, TOTAL (UG/LAS MN) | 340 | | |
| ATGH-09 ATGH-09 | 12/15/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 1500 | | |
| ATGH-09 ATGH-09 | 6/17/1993 | | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGH-09 ATGH-09 | 9/13/1993 | | SULFATE, TOTAL (MG/LAS SO4) | | mg/L | |
| ATGH-09 ATGH-09 | 12/15/1993 | | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGH-09 ATGH-10 | 7/16/2008 | | Chloride, Total | | mg/L | |
| ATGH-10 ATGH-10 | 8/8/2008 | | Chloride, Total | 30.6 | | |
| ATGH-10 ATGH-10 | 9/22/2008 | | Chloride, Total | | mg/l | |
| ATGH-10 ATGH-10 | 9/22/2008 | | Copper, Total | | ng/l | 1 |
| ATGH-10 ATGH-10 | 8/8/2008 | | Copper, Total | 9.49 | - × | |
| ATGH-10 ATGH-10 | 9/22/2008 | | Copper, Total | 9.49 6.58 | - × | .l |
| ATGH-10 ATGH-10 | 7/16/2008 | | Hardness, Ca + Mg, Total | 1510000 | - × | 0 |
| ATGH-10 ATGH-10 | 8/8/2008 | | Hardness, Ca + Mg, Total Hardness, Ca + Mg, Total | 150000 | | |
| | | | , 0, | | - × | |
| ATGH-10 | 9/22/2008 | | Hardness, Ca + Mg, Total | 1620000 | - × | |
| ATGH-10 | 7/16/2008 | | Manganese, Total | 380 | <u> </u> | |
| ATGH-10 | 8/8/2008 | | Manganese, Total | 2660 | - × | |
| ATGH-10 | 9/22/2008 | | Manganese, Total | 129 | - × | |
| ATGH-10 | 7/16/2008 | | Nickel, Total | 2.26 | | J |
| ATGH-10 | 8/8/2008 | | Nickel, Total | 243 | - × | |
| ATGH-10 | 9/22/2008 | | Nickel, Total | 2.64 | ug/I | J |

| Station ID | Date | Sample Depth | Davamatar | Beault Value | 115:40 | Remark Code |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|-------------|
| ATGH-10 | 7/16/2008 | Sample Depth | Silver, Total | Result Value | ug/l | J7,ND |
| ATGH-10 | 8/8/2008 | | Silver, Total | | ug/l | ND |
| ATGH-10 | 9/22/2008 | | Silver, Total | 2.87 | , v | J |
| ATGH-10 | 7/16/2008 | | Sulfate, Total | | mg/l | L |
| ATGH-10 | 8/8/2008 | | Sulfate, Total | | mg/l | L |
| ATGH-10 | 9/22/2008 | | Sulfate, Total | 2410 | mg/l | J4 |
| ATGH-10 | 7/16/2008 | | Zinc, Total | 4.25 | ug/l | J |
| ATGH-10 | 8/8/2008 | | Zinc, Total | 402 | ug/l | |
| ATGH-10 | 9/22/2008 | | Zinc, Total | 1.15 | ug/l | J |
| ATGH-10 | 7/8/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | С |
| ATGH-10 | 9/13/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 1711 | | С |
| ATGH-10 | 12/15/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | | mg/L | C |
| ATGH-10 | 7/8/1993 | | SILVER, DISSOLVED (UG/L AS AG) | | μg/L | К |
| ATGH-10 | 9/13/1993 | | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | K |
| ATGH-10 | 12/15/1993 | | SILVER, DISSOLVED (UG/L AS AG) | | µg/L | К |
| ATGH-10 | 7/8/1993 | | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGH-10 | 9/13/1993 | | SILVER, TOTAL (UG/L AS AG) | | μg/L | IZ. |
| ATGH-10 ATGH-10 | 12/15/1993 7/8/1993 | | SILVER, TOTAL (UG/L AS AG) | | μg/L mg/L | К |
| ATGH-10 ATGH-10 | 9/13/1993 | | SULFATE, TOTAL (MG/L AS SO4) SULFATE, TOTAL (MG/L AS SO4) | | mg/∟ mg/L | |
| ATGH-10 ATGH-10 | 12/15/1993 | | SULFATE, TOTAL (MG/L AS SO4) | | mg/L | |
| ATGM-01 | 7/16/2008 | | Chloride, Total | 36.4 | | |
| ATGM-01 | 8/8/2008 | | Chloride, Total | 7.44 | | |
| ATGM-01 ATGM-01 | 9/22/2008 | | Chloride, Total | 22.1 | - × | |
| ATGM-01 | 7/16/2008 | | Copper, Dissolved | | ug/l | J |
| ATGM-01 | 8/8/2008 | | Copper, Dissolved | 3.23 | - × | J |
| ATGM-01 | 9/22/2008 | | Copper, Dissolved | 3.74 | , v | J |
| ATGM-01 | 7/16/2008 | | Copper, Total | 2.85 | Ŭ. | J |
| ATGM-01 | 8/8/2008 | | Copper, Total | 6.51 | | J |
| ATGM-01 | 9/22/2008 | | Copper, Total | 3.65 | - × | J |
| ATGM-01 | 7/16/2008 | | Hardness, Ca + Mg, Dissolved | 172000 | , v | |
| ATGM-01 | 8/8/2008 | | Hardness, Ca + Mg, Dissolved | 96200 | ug/l | |
| ATGM-01 | 9/22/2008 | | Hardness, Ca + Mg, Dissolved | 212000 | ug/l | |
| ATGM-01 | 7/16/2008 | | Hardness, Ca + Mg, Total | 169000 | ug/l | |
| ATGM-01 | 8/8/2008 | | Hardness, Ca + Mg, Total | 100000 | ug/l | |
| ATGM-01 | 9/22/2008 | | Hardness, Ca + Mg, Total | 207000 | | |
| ATGM-01 | 7/16/2008 | | Manganese, Dissolved | 762 | - × | |
| ATGM-01 | 8/8/2008 | | Manganese, Dissolved | 555 | · · | |
| ATGM-01 | 9/22/2008 | | Manganese, Dissolved | 466 | | |
| ATGM-01 | 7/16/2008 | | Manganese, Total | 750 | | |
| ATGM-01 | 8/8/2008 | | Manganese, Total | 253 | - × | |
| ATGM-01 | 9/22/2008 | | Manganese, Total | 412 | | |
| ATGM-01 | 7/16/2008 | | Nickel, Dissolved | | ug/l | J |
| ATGM-01 | 8/8/2008 | | Nickel, Dissolved | 5.49 3.44 | | J |
| ATGM-01 ATGM-01 | 9/22/2008 7/16/2008 | | Nickel, Dissolved Nickel, Total | 3.44 | | J .l |
| ATGM-01 | 8/8/2008 | | Nickel, Total | | ug/l | 1 2 |
| ATGM-01 | 9/22/2008 | | Nickel, Total | 3.18 | - × | 5 .I |
| ATGM-01 | 7/16/2008 | | Silver, Dissolved | | ug/l | J7,ND |
| ATGM-01 | 8/8/2008 | | Silver, Dissolved | | ug/l | ND |
| ATGM-01 | 9/22/2008 | | Silver, Dissolved | | ug/l | ND |
| ATGM-01 | 7/16/2008 | | Silver, Total | | ug/l | J7,ND |
| ATGM-01 | 8/8/2008 | | Silver, Total | | ug/l | ND |
| ATGM-01 | 9/22/2008 | | Silver, Total | | ug/l | ND |
| ATGM-01 | 7/16/2008 | | Sulfate, Total | | mg/l | L |
| ATGM-01 | 8/8/2008 | | Sulfate, Total | 74.9 | | |
| ATGM-01 | 9/22/2008 | | Sulfate, Total | | mg/l | |
| ATGM-01 | 7/16/2008 | | Zinc, Dissolved | 10.4 | | J |
| ATGM-01 | 8/8/2008 | | Zinc, Dissolved | 10.4 | | J |
| ATGM-01 | 9/22/2008 | | Zinc, Dissolved | 2.58 | - × | J |
| ATGM-01 | 7/16/2008 | | Zinc, Total | | ug/l | J |
| ATGM-01 | 8/8/2008 | | Zinc, Total | 13.3 | - × | J |
| ATGM-01 | 9/22/2008 | | | 1.87 | <u> </u> | J |
| | | | COPPER, DISSOLVED (UG/L AS CU) | | μg/L μg/L | |
| ATGM01 | 6/17/1993 | | | | 110/1 | |
| ATGM01 ATGM01 | 9/28/1993 | | | | | |
| ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 | | COPPER, DISSOLVED (UG/L AS CU) | 46 | μg/L | |
| ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) | 46 190 | μg/L μg/L | |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) | 46 190 160 | μg/L μg/L μg/L | |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 12/13/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) | 46 190 160 47 | μg/L μg/L μg/L μg/L | C. |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 12/13/1993 6/17/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) HARDNESS, TOTAL (MG/L AS CACO3) | 46 190 160 47 626 | μg/L μg/L μg/L μg/L mg/L | C |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 12/13/1993 6/17/1993 6/17/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | 46 190 160 47 626 626 | μg/L μg/L μg/L μg/L mg/L mg/L | С |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 12/13/1993 6/17/1993 6/17/1993 9/28/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | 46 190 160 47 626 626 489 | μg/L μg/L μg/L μg/L mg/L mg/L mg/L | C C |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 12/13/1993 6/17/1993 6/17/1993 9/28/1993 9/28/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | 46 190 160 47 626 626 626 489 489 | µg/L µg/L µg/L mg/L mg/L mg/L mg/L | с с с |
| ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 ATGM01 | 9/28/1993 12/13/1993 6/17/1993 9/28/1993 12/13/1993 6/17/1993 6/17/1993 9/28/1993 | | COPPER, DISSOLVED (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) COPPER, TOTAL (UG/L AS CU) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) HARDNESS, TOTAL (MG/L AS CACO3) | 46 190 160 47 626 626 489 489 564 | μg/L μg/L μg/L μg/L mg/L mg/L mg/L | C C |

| Ctation ID | Data | Comula Danéh | I Devenue for | Desult Value | l luite | Demonts Cente |
|----------------------|-------------------------|--------------|--------------------------------------------------------------|--------------|----------------|---------------|
| Station ID ATGM01 | Date 9/28/1993 | Sample Depth | NICKEL, DISSOLVED (UG/L AS NI) | Result Value | units µg/L | Remark Code |
| ATGM01 | 12/13/1993 | | NICKEL, DISSOLVED (UG/LAS NI) | | µg/L | |
| ATGM01 | 6/17/1993 | | NICKEL, TOTAL (UG/L AS NI) | | µg/L | |
| ATGM01 | 9/28/1993 | | NICKEL, TOTAL (UG/L AS NI) | | μg/L | |
| ATGM01 | 12/13/1993 | | NICKEL, TOTAL (UG/L AS NI) | | µg/L | |
| ATGM01 | 6/17/1993 | | PH (STANDARD UNITS) | | Standard Units | |
| ATGM01 | 9/28/1993 | | PH (STANDARD UNITS) | | Standard Units | |
| ATGM01 | 12/13/1993 | | PH (STANDARD UNITS) | | Standard Units | |
| ATGM-01 | 6/17/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 626 | | С |
| ATGM-01 | 6/17/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 626 | mg/L | С |
| ATGM-01 | 6/17/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 626 | mg/L | С |
| ATGM-01 | 9/28/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 489 | Ť | С |
| ATGM-01 | 9/28/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 489 | mg/L | С |
| ATGM-01 | 9/28/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 489 | mg/L | |
| ATGM-01 | 12/13/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 564 | | С |
| ATGM-01 | 12/13/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 564 | mg/L | С |
| ATGM-01 | 12/13/1993 | | HARDNESS, TOTAL (MG/L AS CACO3) | 564 | mg/L | |
| ATGM-01 | 6/17/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 12000 | | |
| ATGM-01 | 9/28/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 7500 | | |
| ATGM-01 | 12/13/1993 | | MANGANESE, DISSOLVED (UG/L AS MN) | 9600 | | |
| ATGM-01 | 6/17/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 12000 | | |
| ATGM-01 | 9/28/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 7700 | | |
| ATGM-01 | 12/13/1993 | | MANGANESE, TOTAL (UG/L AS MN) | 9600 | | |
| ATGM-01 | 6/17/1993 | | SILVER, DISSOLVED (UG/L AS AG) | 8 | µg/L | |
| ATGM-01 | 9/28/1993 | | SILVER, DISSOLVED (UG/L AS AG) | 3 | µg/L | К |
| ATGM-01 | 12/13/1993 | | SILVER, DISSOLVED (UG/L AS AG) | 11 | µg/L | |
| ATGM-01 | 6/17/1993 | | SILVER, TOTAL (UG/L AS AG) | 9 | µg/L | |
| ATGM-01 | 9/28/1993 | | SILVER, TOTAL (UG/L AS AG) | 3 | µg/L | К |
| ATGM-01 | 12/13/1993 | | SILVER, TOTAL (UG/L AS AG) | | µg/L | |
| ATGM-01 | 6/17/1993 | | SULFATE, TOTAL (MG/L AS SO4) | 1580 | mg/L | |
| ATGM-01 | 9/28/1993 | | SULFATE, TOTAL (MG/L AS SO4) | 1045 | mg/L | |
| ATGM-01 | 12/13/1993 | | SULFATE, TOTAL (MG/L AS SO4) | 1034 | mg/L | |
| ATGM-01 | 6/17/1993 | | ZINC, DISSOLVED (UG/L AS ZN) | 7400 | µg/L | |
| ATGM-01 | 9/28/1993 | | ZINC, DISSOLVED (UG/L AS ZN) | 7300 | µg/L | |
| ATGM-01 | 12/13/1993 | | ZINC, DISSOLVED (UG/L AS ZN) | 7200 | µg/L | |
| ATGM-01 | 6/17/1993 | | ZINC, Total (UG/L AS ZN) | 7400 | µg/L | |
| ATGM-01 | 9/28/1993 | | ZINC, Total (UG/L AS ZN) | 7000 | µg/L | |
| ATGM-01 | 12/13/1993 | | ZINC, Total (UG/L AS ZN) | 7200 | µg/L | |
| RAI-1 | 04/03/2002 | 4 | Chlorophyll (a+b+c) | 350 | ug/l | |
| RAI-1 | 06/10/2002 | 460 | Chlorophyll (a+b+c) | 460 | ug/l | |
| RAI-1 | 07/15/2002 | 250 | Chlorophyll (a+b+c) | 250 | 0 | |
| RAI-1 | 08/08/2002 | 230 | Chlorophyll (a+b+c) | 230 | ug/l | |
| RAI-1 | 10/08/2002 | 150 | Chlorophyll (a+b+c) | 150 | | |
| RAI-1 | 04/03/2002 | 4 | Chlorophyll a, corrected for pheophytin | 35.3 | ug/l | |
| RAI-1 | 06/10/2002 | 460 | Chlorophyll a, corrected for pheophytin | 57.3 | ug/l | |
| RAI-1 | 07/15/2002 | 250 | Chlorophyll a, corrected for pheophytin | 178 | ug/l | |
| RAI-1 | 08/08/2002 | 230 | Chlorophyll a, corrected for pheophytin | 63.9 | ug/l | |
| RAI-1 | 10/08/2002 | 150 | Chlorophyll a, corrected for pheophytin | 139 | ug/l | |
| RAI-1 | 04/03/2002 | 4 | Chlorophyll a, uncorrected for pheophytin | 37 | ug/l | |
| RAI-1 | 06/10/2002 | 460 | Chlorophyll a, uncorrected for pheophytin | 57.4 | ug/l | |
| RAI-1 | 07/15/2002 | 250 | Chlorophyll a, uncorrected for pheophytin | 176 | ug/l | |
| RAI-1 | 08/08/2002 | 230 | Chlorophyll a, uncorrected for pheophytin | 68.3 | | |
| RAI-1 | 10/08/2002 | 150 | Chlorophyll a, uncorrected for pheophytin | 144 | | |
| RAI-1 | 7/13/1993 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 46.73 | | |
| RAI-1 | 4/24/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 33.82 | | |
| RAI-1 | 6/8/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 60.08 | | |
| RAI-1 | 7/6/1995 | 6 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 45.924 | | |
| RAI-1 | 8/10/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 73.234 | | |
| RAI-1 | 10/10/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 40.05 | | |
| RAI-1 | 7/13/1993 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 44.71 | | |
| RAI-1 | 4/24/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 27.54 | | |
| RAI-1 | 6/8/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 52.97 | | |
| RAI-1 | 7/6/1995 | 6 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 48.937 | | |
| RAI-1 | 8/10/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 76.282 | | |
| RAI-1 | 10/10/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 42.894 | | |
| RAI-1 | 04/03/2002 | 4 | Chlorophyll-b | 2.62 | ug/l | |
| RAI-1 | 06/10/2002 | 460 | Chlorophyll-b | | | |
| RAI-1 | 07/15/2002 | 250 | Chlorophyll-b | | | |
| RAI-1 | 08/08/2002 | 230 | Chlorophyll-b | | | |
| RAI-1 | 10/08/2002 | 150 | Chlorophyll-b | | | |
| RAI-1 | 04/03/2002 | 4 | Chlorophyll-c | 7.45 | | |
| RAI-1 | 06/10/2002 | 460 | Chlorophyll-c | | ug/l | |
| RAI-1 | 07/15/2002 | 250 | Chlorophyll-c | 7.75 | <u> </u> | |
| RAI-1 | 08/08/2002 | 230 | Chlorophyll-c | 3.03 | • | |
| | | | | | | |
| RAI-1 RAI-1 | 10/08/2002 7/13/1993 | 150 4 | Chlorophyll-c CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 13.6 1.72 | | |

| RAI-1 4/24/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 6/8/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 7/6/1995 6 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 8/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 8/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 7/13/1993 23 COD, 025N K2CR207 MG/L RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 1 | 21 25 25 27 27 27 27 27 27 27 27 27 | μg/L μg/L μg/L μg/L μg/L mg/L mg/L mg/L Feet Feet Feet Feet Feet Feet Feet Fee |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RAI-1 6/8/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 7/6/1995 6 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 8/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 7/13/1993 1 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 | 1.85 4.1668 2.1932 4.1631 21 25 25 27 27 27 27 27 27 27 27 27 27 27 27 27 | µg/L µg/L µg/L µg/L µg/L µg/L mg/L mg/L Feet Feet Feet Feet |
| RAI-1 7/6/1995 6 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 8/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 7/13/1993 23 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 | 4.1668 2.1932 4.1631 21 25 25 27 27 27 27 27 27 27 27 27 27 27 27 27 | µg/L µg/L mg/L mg/L mg/L Feet Feet Feet Feet Feet Feet Feet Fee |
| RAI-1 8/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 10/10/1995 4 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED RAI-1 7/13/1993 23 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 <td>2.1932 4.1631 21 25 25 27 27 27 27 27 27 27 27 27 27 27 27 27</td> <td>µg/L µg/L mg/L mg/L Feet Feet Feet Feet Feet Feet Feet Fee</td> | 2.1932 4.1631 21 25 25 27 27 27 27 27 27 27 27 27 27 27 27 27 | µg/L µg/L mg/L mg/L Feet Feet Feet Feet Feet Feet Feet Fee |
| RAI-1 7/13/1993 23 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | 21 21 25 25 27 27 27 27 27 27 27 27 27 | mg/L mg/L Feet |
| RAI-1 7/13/1993 1 COD, .025N K2CR207 MG/L RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/13/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | 21 25 25 27 27 27 27 27 27 27 27 27 | mg/L Feet |
| RAI-1 7/13/1993 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | 25 25 27 27 27 27 27 27 27 27 27 | Feet Feet Feet Feet Feet Feet Feet |
| RAI-1 7/13/1993 23 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 25 27 27 27 27 27 27 27 27 27 27 | Feet Feet Feet Feet Feet Feet |
| RAI-1 4/24/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 76/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 27 27 27 27 27 27 27 27 | Feet Feet Feet Feet Feet |
| RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 27 27 27 27 27 27 | Feet Feet Feet Feet |
| RAI-1 4/24/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 27 27 27 27 27 | Feet Feet Feet |
| RAI-1 6/8/1995 25 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 27 27 27 27 | Feet Feet |
| RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 27 27 | Feet |
| RAI-1 6/8/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 27 | |
| RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 27 | Feet |
| RAI-1 7/6/1995 25 DEPTH OF POND OR RESERVOIR IN FEET | 27 | Feet |
| | | Feet |
| RAI-1 7/6/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | 21 | Feet |
| RAI-1 8/9/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | | Feet |
| RAI-1 8/10/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | 26 | Feet |
| RAI-1 8/10/1995 24 DEPTH OF POND OR RESERVOIR IN FEET | 26 | Feet |
| RAI-1 8/10/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | 26 | Feet |
| RAI-1 10/10/1995 23 DEPTH OF POND OR RESERVOIR IN FEET | | Feet |
| RAI-1 10/10/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | | Feet |
| RAI-1 10/10/1995 1 DEPTH OF POND OR RESERVOIR IN FEET | | Feet |
| RAI-1 04/03/2002 1 DEPTH OF POND OR RESERVOIR IN FEET | 24 | |
| RAI-1 04/03/2002 1 DEPTH OF POND OR RESERVOIR IN FEET RAI-1 06/10/2002 9 DEPTH OF POND OR RESERVOIR IN FEET | 24 26 | |
| RAI-1 06/10/2002 9 DEPTH OF POIND OR RESERVOIR IN FEET | 26 | 1 1 |
| RAI-1 07/15/2002 300 DEPTH OF POND OR RESERVOIR IN FEET | 20 | |
| RAI-1 07/15/2002 300 DEPTH OF POND OR RESERVOR IN FEET | 24 | |
| RAI-1 08/08/2002 406 DEPTH OF POND OR RESERVOIR IN FEET | 24 | |
| RAI-1 08/08/2002 406 DEPTH OF POND OR RESERVOIR IN FEET | 24 | |
| RAI-1 10/08/2002 500 DEPTH OF POND OR RESERVOIR IN FEET | 21 | ft |
| RAI-1 10/08/2002 500 DEPTH OF POND OR RESERVOIR IN FEET | 21 | ft |
| RAI-1 04/03/2002 4 Depth of Sample | 4 | ft |
| RAI-1 04/03/2002 1 Depth of Sample | | ft |
| RAI-1 04/03/2002 1 Depth of Sample | | ft |
| RAI-1 06/10/2002 9 Depth of Sample | | ft |
| RAI-1 06/10/2002 460 Depth of Sample RAI-1 06/10/2002 9 Depth of Sample | 24 | ft # |
| RAI-1 06/10/2002 9 Depth of Sample RAI-1 07/15/2002 250 Depth of Sample | | ft |
| RAI-1 07/15/2002 250 Depth of Sample RAI-1 07/15/2002 300 Depth of Sample | 22 | |
| RAI-1 07/15/2002 300 Depth of Sample | | ft |
| RAI-1 08/08/2002 500 Depth of Sample | 24 | |
| RAI-1 08/08/2002 406 Depth of Sample | 22 | ft |
| RAI-1 08/08/2002 406 Depth of Sample | 1 | ft |
| RAI-1 08/08/2002 8 Depth of Sample | 24 | ft |
| RAI-1 08/08/2002 230 Depth of Sample | | ft |
| RAI-1 10/08/2002 500 Depth of Sample | 19 | |
| RAI-1 10/08/2002 500 Depth of Sample | | ft |
| RAI-1 10/08/2002 150 Depth of Sample DAL1 7/12/1002 2 IOXYCEN DISSOLVED ANALYSIS BY PROPE MO// | | ft ma/l |
| RAI-1 7/13/1993 2 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L RAI-1 7/13/1993 14 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L ma/L |
| RAI-1 7/13/1993 14 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L RAI-1 7/13/1993 22 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L |
| RAI-1 7/13/1993 22 OXTGEN, DISSOLVED, ANALYSIS BY PROBE MG/L RAI-1 7/13/1993 6 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 7 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 8 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 9 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 11 OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 20 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | 0.2 | mg/L |
| RAI-1 7/13/1993 23 OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 0.2 | mg/L |
| RAI-1 7/13/1993 1 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 24 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 10 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 12 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 13 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 15 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L RAI-1 7/13/1993 17 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L ma/L |
| RAI-1 7/13/1993 17 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L RAI-1 7/13/1993 19 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L |
| RAI-1 7/13/1993 16 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 18 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 4 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 21 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 25 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L |
| RAI-1 7/13/1993 0 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | 10.7 | mg/L |

| Ctation ID | Dete | Comula Danth | Devenueter | Desult Value | l luite | Damark Carla |
|---------------------|--------------------------|-------------------|----------------------------------------------------------------------------------------|----------------|--------------|--------------|
| Station ID RAI-1 | Date 7/13/1993 | Sample Depth 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | Result Value | mg/L | Remark Code |
| RAI-1 | 7/13/1993 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 17 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 15 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 6.6 | mg/L | |
| RAI-1 | 4/24/1995 | 19 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 6.5 | mg/L | |
| RAI-1 | 4/24/1995 | 23 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | 5.2 | mg/L | |
| RAI-1 | 4/24/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 6.9 | mg/L | |
| RAI-1 | 4/24/1995 | 11 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 13 | | | mg/L | |
| RAI-1 RAI-1 | 4/24/1995 4/24/1995 | 5 21 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-1 | 4/24/1995 | 25 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 17 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 19 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 1 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 3 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 11 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 0 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 7.7 | mg/L | |
| RAI-1 | 5/8/1995 | 5 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 15 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 7 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 5/8/1995 | 13 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 3 13 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 RAI-1 | 7/6/1995 7/6/1995 | 21 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-1 | 7/6/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 11 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 7 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 17 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 23 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 0.1 | mg/L | |
| RAI-1 | 7/6/1995 | 25 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 0.1 | mg/L | |
| RAI-1 | 7/6/1995 | 1 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 9 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 15 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 7/6/1995 | 19 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 5 | | | mg/L | |
| RAI-1 RAI-1 | 8/10/1995 8/10/1995 | 0 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-1 RAI-1 | 8/10/1995 | 13 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 15 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 7 | OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 17 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 19 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 23 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 0.1 | mg/L | |
| RAI-1 | 8/10/1995 | 11 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 0.2 | mg/L | |
| RAI-1 | 8/10/1995 | 25 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 8/10/1995 | 21 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 5 | | | mg/L | |
| RAI-1 RAI-1 | 10/10/1995 10/10/1995 | 15 21 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | 1 |
| RAI-1 RAI-1 | 10/10/1995 | 21 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-1 RAI-1 | 10/10/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/∟ mg/L | |
| RAI-1 | 10/10/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 11 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 17 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 6 | mg/L | |
| RAI-1 | 10/10/1995 | 13 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 10/10/1995 | 19 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-1 | 4/24/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.007 | - × | |
| RAI-1 | 4/24/1995 | 25 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.006 | * | |
| RAI-1 | 6/8/1995 | 25 | PHOSPHORUS, DISSOLVED (MG/LAS P) | | mg/L | |
| RAI-1 | 6/8/1995 | 1 | | 0.017 | * | |
| RAI-1 RAI-1 | 7/6/1995 7/6/1995 | 25 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.516 0.053 | × × | |
| RAI-1 RAI-1 | 8/9/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.053 | · | |
| RAI-1 RAI-1 | 8/10/1995 | 24 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.858 | × × | |
| 11/11-1 | 0/10/1995 | 24 | | 0.000 | mg/∟ | |

| Quality ID | Data | Osmula Danth | Demonstration | Descrit Malaza | |
|----------------|------------------------|--------------|------------------------------------------------------------------------------------|----------------|------------------|
| Station ID | Date | Sample Depth | | Result Value | |
| RAI-1 | 8/10/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.013 | |
| RAI-1 | 10/10/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.024 | |
| RAI-1 | 10/10/1995 | 23 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.034 | |
| RAI-1 | 04/03/2002 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.018 | |
| RAI-1 | 04/03/2002 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.02 | • |
| RAI-1 | 06/10/2002 | 9 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.014 | |
| RAI-1 | 06/10/2002 | 9 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.418 | v |
| RAI-1 | 07/15/2002 | 300 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.979 | 0 |
| RAI-1 | 07/15/2002 | 300 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.031 | |
| RAI-1 | 08/08/2002 | 406 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 1.34 | |
| RAI-1 | 08/08/2002 | 406 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.125 | |
| RAI-1 | 10/08/2002 | 500 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.112 | |
| RAI-1 | 10/08/2002 | 500 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.132 | • |
| RAI-1 | 7/13/1993 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.014 | 3 |
| RAI-1 | 7/13/1993 | 23 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.691 | 0 |
| RAI-1 | 4/24/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.048 | 0 |
| RAI-1 | 4/24/1995 | 25 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.045 | |
| RAI-1 | 6/8/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.075 | |
| RAI-1 | 6/8/1995 | 25 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.171 | |
| RAI-1 | 7/6/1995 | 25 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.631 | |
| RAI-1 | 7/6/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.0829999 | |
| RAI-1 | 8/9/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.059 | |
| RAI-1 | 8/10/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.107 | |
| RAI-1 | 8/10/1995 | 24 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.915 | |
| RAI-1 | 10/10/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.086 | |
| RAI-1 | 10/10/1995 | 23 | PHOSPHORUS, TOTAL (MG/L AS P) | | mg/L |
| RAI-1 | 04/03/2002 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.077 | |
| RAI-1 | 04/03/2002 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.078 | |
| RAI-1 | 06/10/2002 | 9 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.077 | |
| RAI-1 | 06/10/2002 | 9 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.439 | |
| RAI-1 | 07/15/2002 | 300 | PHOSPHORUS, TOTAL (MG/L AS P) | 1.07 | 8 |
| RAI-1 | 07/15/2002 | 300 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.225 | · · |
| RAI-1 | 08/08/2002 | 500 | PHOSPHORUS, TOTAL (MG/L AS P) | | mg/kg |
| RAI-1 | 08/08/2002 | 406 | PHOSPHORUS, TOTAL (MG/L AS P) | | mg/l |
| RAI-1 | 08/08/2002 | 406 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.263 | |
| RAI-1 | 10/08/2002 | 500 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.27 | |
| RAI-1 | 10/08/2002 | 500 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.31 | |
| RAI-1 | 7/13/1993 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 8 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 12 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 16 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 4 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 10 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 22 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 13 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 14 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 19 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 17 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 23 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 24 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 18 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 20 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 25 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 9 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 15 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 21 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 2 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 6 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 7/13/1993 | 11 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 4/24/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 4/24/1995 | 11 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| RAI-1 | 4/24/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 17.2 | Deg. C |
| RAI-1 | 4/24/1995 | 15 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.6 | Deg. C |
| RAI-1 | 4/24/1995 | 19 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.6 | Deg. C |
| RAI-1 | 4/24/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 18.4 | Deg. C |
| RAI-1 | 4/24/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C |
| | 4/24/1995 | 13 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.7 | Deg. C |
| RAI-1 | 4/24/1995 | | / | | |
| RAI-1 RAI-1 | 4/24/1995 | 9 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.8 | Deg. C |
| | | 9 23 | TEMPERATURE, WATER (DEGREES CENTIGRADE) TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C |
| RAI-1 | 4/24/1995 | | | 16.2 | ž |
| RAI-1 RAI-1 | 4/24/1995 4/24/1995 | 23 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.2 16.6 | Deg. C |

| Station ID | Date | Sample Depth | Parameter | Result Value | Unite | Remark Code |
|----------------|--------------------------|--------------|--------------------------------------------------------------------------------------------------|-----------------|------------------|-------------|
| RAI-1 | 4/24/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | Remark Code |
| RAI-1 | 5/8/1995 | 9 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 5/8/1995 | 19 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 5/8/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.8 | Deg. C | |
| RAI-1 | 5/8/1995 | 11 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 23.7 | Deg. C | |
| RAI-1 | 5/8/1995 | 13 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 5/8/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 5/8/1995 | 15 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 5/8/1995 | 7 | | | Deg. C | |
| RAI-1 RAI-1 | 5/8/1995 5/8/1995 | 0 17 | TEMPERATURE, WATER (DEGREES CENTIGRADE) TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 5/8/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 7/6/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 24.8 | Deg. C | |
| RAI-1 | 7/6/1995 | 11 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 24.6 | Deg. C | |
| RAI-1 | 7/6/1995 | 23 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 25 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 13 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 15 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 7/6/1995 | 21 17 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 RAI-1 | 7/6/1995 7/6/1995 | 17 | TEMPERATURE, WATER (DEGREES CENTIGRADE) TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 RAI-1 | 7/6/1995 | 9 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 7/6/1995 | 19 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 8/10/1995 | 11 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 17 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 29.5 | Deg. C | |
| RAI-1 | 8/10/1995 | 13 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 27.7 | Deg. C | |
| RAI-1 | 8/10/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 25 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 RAI-1 | 8/10/1995 8/10/1995 | 0 9 | TEMPERATURE, WATER (DEGREES CENTIGRADE) TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 8/10/1995 | 21 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 8/10/1995 | 15 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 19 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 8/10/1995 | 23 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 10/10/1995 | 11 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 19.1 | Deg. C | |
| RAI-1 | 10/10/1995 | 23 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 18.7 | Deg. C | |
| RAI-1 | 10/10/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 19.2 | Deg. C | |
| RAI-1 | 10/10/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 10/10/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 10/10/1995 | 3 | | | Deg. C | |
| RAI-1 | 10/10/1995 | 9 15 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 RAI-1 | 10/10/1995 10/10/1995 | | TEMPERATURE, WATER (DEGREES CENTIGRADE) TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C Deg. C | |
| RAI-1 | 10/10/1995 | | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 10/10/1995 | 21 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 10/10/1995 | 17 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-1 | 10/10/1995 | 19 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | | Deg. C | |
| RAI-2 | 04/03/2002 | 4 | Chlorophyll (a+b+c) | | ug/l | |
| RAI-2 | 06/10/2002 | 390 | Chlorophyll (a+b+c) | | ug/l | |
| RAI-2 | 07/15/2002 | 200 | Chlorophyll (a+b+c) | | ug/l | |
| RAI-2 | 08/08/2002 | 205 | Chlorophyll (a+b+c) | | ug/l | |
| RAI-2 | 10/08/2002 | 178 | Chlorophyll (a+b+c) | | ug/l | |
| RAI-2 | 04/03/2002 | 4 390 | Chlorophyll a, corrected for pheophytin | | ug/l | |
| RAI-2 RAI-2 | 06/10/2002 07/15/2002 | 200 | Chlorophyll a, corrected for pheophytin Chlorophyll a, corrected for pheophytin | | ug/l ug/l | |
| RAI-2 RAI-2 | 07/15/2002 | 200 | Chlorophyll a, corrected for pheophytin Chlorophyll a, corrected for pheophytin | 60.9 | | |
| RAI-2 RAI-2 | 10/08/2002 | 178 | Chlorophyll a, corrected for pheophytin | | ug/l | |
| RAI-2 | 04/03/2002 | 4 | Chlorophyll a, uncorrected for pheophytin | 40.3 | | |
| RAI-2 | 06/10/2002 | 390 | Chlorophyll a, uncorrected for pheophytin | 82.7 | Ŭ. | |
| RAI-2 | 07/15/2002 | 200 | Chlorophyll a, uncorrected for pheophytin | | ug/l | |
| RAI-2 | 08/08/2002 | 205 | Chlorophyll a, uncorrected for pheophytin | 63.3 | 0 | |
| RAI-2 | 10/08/2002 | 178 | Chlorophyll a, uncorrected for pheophytin | | ug/l | |
| RAI-2 | 4/24/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 32.42 | | |
| RAI-2 | 6/8/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 35.24 | | |
| RAI-2 | 7/6/1995 | | | 49.128 | | |
| RAI-2 | 8/10/1995 | | | 68.713 | | |
| RAI-2 RAI-2 | 10/10/1995 4/24/1995 | 4 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 49.586 28.54 | | |
| RAI-2 RAI-2 | 6/8/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 30.81 | | |
| RAI-2 RAI-2 | 7/6/1995 | | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 50.346 | | |
| · ·· - | ., 3, 1000 | , v | | 50.010 | - J - | |

| Station ID | Date | Somalo Donth | Beromotor | Beault Value | Unito | Bomark Codo |
|------------|------------|-------------------|----------------------------------------------------------|------------------------|-------|-------------|
| RAI-2 | 8/10/1995 | Sample Depth 4 | Parameter CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | Result Value 73.938 | | Remark Code |
| RAI-2 | 10/10/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 53.644 | | |
| RAI-2 | 04/03/2002 | 4 | Chlorophyll-b | 00.044 | µg/∟ | |
| RAI-2 | 06/10/2002 | 390 | Chlorophyll-b | | | |
| RAI-2 | 07/15/2002 | 200 | Chlorophyll-b | | | |
| RAI-2 | 08/08/2002 | 205 | Chlorophyll-b | | | |
| RAI-2 | 10/08/2002 | 178 | Chlorophyll-b | | | |
| RAI-2 | 04/03/2002 | 4 | Chlorophyll-c | 3.34 | ua/l | |
| RAI-2 | 06/10/2002 | 390 | Chlorophyll-c | 6.57 | * | |
| RAI-2 | 07/15/2002 | 200 | Chlorophyll-c | 6.28 | , e | |
| RAI-2 | 08/08/2002 | 205 | Chlorophyll-c | 3.55 | * | |
| RAI-2 | 10/08/2002 | 178 | Chlorophyll-c | 13.2 | • | |
| RAI-2 | 4/24/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 24.59 | Ŭ. | |
| RAI-2 | 6/8/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | | µg/L | |
| RAI-2 | 7/6/1995 | 5 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 7.8896 | 10 | |
| RAI-2 | 8/10/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 2.3978 | | |
| RAI-2 | 10/10/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 7.125 | | |
| RAI-2 | 4/24/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-2 | 6/8/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-2 | 7/6/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-2 | 8/10/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | 15 | Feet | |
| RAI-2 | 10/10/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | 14 | Feet | |
| RAI-2 | 04/03/2002 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | 15 | | |
| RAI-2 | 06/10/2002 | 9 | DEPTH OF POND OR RESERVOIR IN FEET | 15 | | |
| RAI-2 | 07/15/2002 | 300 | DEPTH OF POND OR RESERVOIR IN FEET | 14 | | |
| RAI-2 | 08/08/2002 | 406 | DEPTH OF POND OR RESERVOIR IN FEET | 13 | | |
| RAI-2 | 10/08/2002 | 500 | DEPTH OF POND OR RESERVOIR IN FEET | 13 | | |
| RAI-2 | 04/03/2002 | 1 | Depth of Sample | | ft | |
| RAI-2 | 04/03/2002 | 4 | Depth of Sample | 4 | ft | |
| RAI-2 | 06/10/2002 | 390 | Depth of Sample | | ft | |
| RAI-2 | 06/10/2002 | 9 | Depth of Sample | | ft | |
| RAI-2 | 07/15/2002 | 200 | Depth of Sample | | ft | |
| RAI-2 | 07/15/2002 | 300 | Depth of Sample | | ft | |
| RAI-2 | 08/08/2002 | 406 | Depth of Sample | | ft | |
| RAI-2 | 08/08/2002 | 205 | Depth of Sample | | ft | |
| RAI-2 | 10/08/2002 | 500 | Depth of Sample | | ft | |
| RAI-2 | 10/08/2002 | 178 | Depth of Sample | | ft | |
| RAI-2 | 4/24/1995 | 3 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 13.5 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 1 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 11 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 13 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 5 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 4/24/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 9 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 0 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 13 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 5 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 11 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 5/8/1995 | 3 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 0 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 3 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 1 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 11 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 13 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 5 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 7/6/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | 11 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | 13 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 8/10/1995 | | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 10/10/1995 | 11 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 10/10/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 10/10/1995 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 10/10/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 10/10/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-2 | 10/10/1995 | 7 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| | | | | 5.1 | | |

| Batelon D Date Sample Depth Parameter Model Model Spright CAV2 0.011656 B OVCERT (DSSULTE) MAXINGS IN MODEL MODEL Spright CAV2 0.011656 B OVCERT (DSSULTE) MAXINGS IN MODEL MODEL Spright CAV2 0.011656 B PHOSPHEROUS, DISSOLVED MODEL AS P1 0.022 PopL CAV2 0.011656 I PHOSPHEROUS, DISSOLVED MODEL AS P1 0.028 PopL CAV2 0.011656 I PHOSPHEROUS, DISSOLVED MODEL AS P1 0.026 PopL CAV2 0.011656 I PHOSPHEROUS, DISSOLVED MODEL AS P1 0.026 PopL CAV2 0.0027020 I PHOSPHEROUS, DISSOLVED MODEL AS P1 0.026 PopL CAV2 0.0027020 I PHOSPHEROUS, DISSOLVED MODEL AS P1 0.026 PopL CAV2 1.00027020 I PHOSPHEROUS, DISSOLVED MODEL AS P1 0.026 PopL CAV2 1.00027020 IPHOSPHORUS, DISSOLVED MODEL AS P1 0.026 PopL CAV2 1 | Ctation ID | Data | Comula Douth | Deservator | Desult Value | l Inita | Demerly Code |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|--------------|-------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| RA-2 10079590 13 OXYGEN DISSOURD, ANALYSIS BY PROBE MGL 3.2 3.2 3.2 1.0 Dubbe IngL RA-2 68/1990 1 PHOSPHORUS, DISSOURD MGL AS P1 0.020 IngL RA-2 68/1990 1 PHOSPHORUS, DISSOURD MGL AS P1 0.022 IngL RA-2 76/1990 1 PHOSPHORUS, DISSOURD MGL AS P1 0.022 IngL RA-2 76/1990 1 PHOSPHORUS, DISSOURD MGL AS P1 0.022 IngL RA-2 0.010752002 8 PHOSPHORUS, DISSOURD MGL AS P1 0.022 IngL RA-2 0.010752002 8 PHOSPHORUS, DISSOURD MGL AS P1 0.022 IngL RA-2 0.010752002 80 PHOSPHORUS, DISSOURD MGL AS P1 0.020 IngL RA-2 0.0037000 60 PHOSPHORUS, DISSOURD MGL AS P1 0.000 IngL RA-2 0.0037000 90 PHOSPHORUS, DISSOURD MGL AS P1 0.000 IngL RA-2 0.0037000 90 PHOSPHORUS, DISSOURD MGL AS P1 0.000 IngL RA-2 0.0037000 90 PHOSPHORUS, DISSOURD MGL AS P1 0. | Station ID | Date | | | | | Remark Code |
| RA-2 42A-1985 1 PHOSPHORUS, IDSSAURD MCL AS P) 0.000 mgL RA-2 R0F1985 1 PHOSPHORUS, IDSSAURD MCL AS P) 0.021 mgL RA-2 R0F1985 1 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F1985 1 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F1990 1 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F02002 200 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F02002 200 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F02002 400 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F02002 400 PHOSPHORUS, IDSSAURD MCL AS P) 0.026 mgL RA-2 R0F01995 1 PHOSPHORUS, IDTSAURD MCL AS P) 0.026 mgL RA-2 R0F01995 1 PHOSPHORUS, IDTSAURD MCL AS P) 0.028 mgL RA-2 R0F01995 1 PHOSPHORUS, IDTAL MGL AS P) 0.028 mgL RA-2 R0F01995 1 PHOSPHORUS, IDTAL MGL A | | | | | | , v | |
| RA-2 6 bit ges 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.022 mgL RAJ-2 701996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.022 mgL RAJ-2 60101996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.022 mgL RAJ-2 60101996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.022 mgL RAJ-2 60101996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.02 mgD RAJ-2 600072002 500 PHOSPHORUS, DISSOLVED MOL, AS P) 0.04 mgD RAJ-2 600072002 500 PHOSPHORUS, DISSOLVED MOL, AS P) 0.04 mgD RAJ-2 400072002 500 PHOSPHORUS, DISSOLVED MOL, AS P) 0.06 mgD RAJ-2 7601996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.06 mgL RAJ-2 7601996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.06 mgL RAJ-2 7601996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.06 mgL RAJ-2 7601996 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.08 mgL RAJ-2 7601990 1 | | | | | | | |
| RA-2 PriorsPart PHOSPHORUS, DISSOLVED MOL A.S P) 0.022 mgl. RA-2 1011985 1 PHOSPHORUS, DISSOLVED MOL A.S P) 0.021 mgl. RA-2 001102002 1 PHOSPHORUS, DISSOLVED MOL A.S P) 0.021 mgl. RA-2 00102002 1 PHOSPHORUS, DISSOLVED MOL A.S P) 0.021 mgl. RA-2 00102002 0 PHOSPHORUS, DISSOLVED MOL A.S P) 0.021 mgl. RA-2 00102002 0 PHOSPHORUS, DISSOLVED MOL A.S P) 0.026 mgl. RA-2 00108002 000 PHOSPHORUS, TOTAL MOL A.S P) 0.026 mgl. RA-2 0010909 1 PHOSPHORUS, TOTAL MOL A.S P) 0.026 mgl. RA-2 00101995 1 PHOSPHORUS, TOTAL MOL A.S P) 0.026 mgl. RA-2 00101995 1 PHOSPHORUS, TOTAL MOL A.S P) 0.026 mgl. RA-2 00101995 1 PHOSPHORUS, TOTAL MOL A.S P) 0.026 mgl. RA-2 00101995 1 PHOSPHORUS, TOTAL MOL A.S P) 0.026 mgl. RA-2 00102002 500 PHOSPHORUS, TOTAL MOL A.S | | | | | | , v | |
| RA-2 anonses t PHOSPHORUS, DISSO, VED MICL AS P) 0.012 mg/L RA-2 04037002 1 PHOSPHORUS, DISSO, VED MICL AS P) 0.022 mg/L RA-2 04037002 1 PHOSPHORUS, DISSO, VED MICL AS P) 0.027 mg/L RA-2 061702002 9 PHOSPHORUS, DISSO, VED MICL AS P) 0.028 mg/L RA-2 061702002 60 PHOSPHORUS, DISSO, VED MICL AS P) 0.028 mg/L RA-2 061702002 60 PHOSPHORUS, DISSO, VED MICL AS P) 0.080 mg/L RA-2 061702002 60 PHOSPHORUS, DISSO, VED MICL AS P) 0.090 mg/L RA-2 7607985 1 PHOSPHORUS, DISSO, VED MICL AS P) 0.090 mg/L RA-2 7607985 1 PHOSPHORUS, DISSO, VED MICL AS P) 0.098 mg/L RA-2 061032002 9 PHOSPHORUS, DISSO, VED MICL AS P) 0.098 mg/L RA-2 061032002 9 PHOSPHORUS, DISSO, VED MICL AS P) 0.028 mg/L RA-2 061032002 9 PHOSPHORUS, DISSO, VED MICL AS P) 0.028 mg/L RA-2 06102002 | | | | | | , v | |
| RA/2 101/01995 1 PHOSPHORUS, DISSOUVED MALLAS P) 0.0.22 mg/L RA/2 06032002 9 PHOSPHORUS, DISSOUVED MALLAS P) 0.0.14 mg/L RA/2 060402002 9 PHOSPHORUS, DISSOUVED MALLAS P) 0.0.25 mg/L RA/2 060406002 400 PHOSPHORUS, DISSOUVED MALLAS P) 0.0.28 mg/L RA/2 060406002 400 PHOSPHORUS, DISSOUVED MALLAS P) 0.0.28 mg/L RA/2 060406002 400 PHOSPHORUS, DISAU, MALLAS P) 0.0.28 mg/L RA/2 06040605 1 PHOSPHORUS, TOTAL, MALLAS P) 0.0.39 mg/L RA/2 06040965 1 PHOSPHORUS, TOTAL, MALLAS P) 0.0.38 mg/L RA/2 06040002 1 PHOSPHORUS, TOTAL, MALLAS P) 0.038 mg/L RA/2 06040002 1 PHOSPHORUS, TOTAL, MALLAS P) 0.038 mg/L RA/2 06070002 1 PHOSPHORUS, TOTAL, MALLAS P) 0.038 mg/L RA/2 06070002 100 PHOSPHORUS, TOTAL, MALLAS P) 0.038 mg/L RA/2 040400000 PHOSPHORUS, TOTAL, | | | | | | | |
| RAJ2 04032002 1 PHOSPHORUS, DISSOLVED (MGL AS P) 0.014 mg1 RAJ2 067102002 9 PHOSPHORUS, DISSOLVED (MGL AS P) 0.025 mg1 RAJ2 06082002 000 PHOSPHORUS, DISSOLVED (MGL AS P) 0.038 mg1 RAJ2 10082002 500 PHOSPHORUS, DISSOLVED (MGL AS P) 0.068 mg1 RAJ2 10082002 500 PHOSPHORUS, TOTAL (MGL AS P) 0.064 mg1 RAJ2 04241985 1 PHOSPHORUS, TOTAL (MGL AS P) 0.064 mg1 RAJ2 0471986 1 PHOSPHORUS, TOTAL (MGL AS P) 0.098 mg1 RAJ2 10101996 1 PHOSPHORUS, TOTAL (MGL AS P) 0.098 mg1 RAJ2 064032002 9 PHOSPHORUS, TOTAL (MGL AS P) 0.028 mg1 RAJ2 064032002 9 PHOSPHORUS, TOTAL (MGL AS P) 0.235 mg1 RAJ2 064080202 406 PHOSPHORUS, TOTAL (MGL AS P) 0.235 mg1 RAJ2 0608002 406 PHOSPHORUS, TOTAL (MGL AS P) 0.235 mg1 RAJ2 42441960 1 TEMPERATURE, WATER (| | | | | | | |
| RA-2 OPHOSMOPULS, DISSOLVED (MCL AS P) ODIAL mg1 RA-2 OF/152002 300 PHOSMOPULS, DISSOLVED (MCL AS P) 0.025 mg1 RA-2 060802002 406 PHOSMOPULS, DISSOLVED (MCL AS P) 0.066 mg1 RA-2 100802002 S00 PHOSMOPULS, DISSOLVED (MCL AS P) 0.066 mg1 RA-2 4244196 1 PHOSMOPULS, DISAL (MCL AS P) 0.076 mg1 RA-2 100802002 S00 PHOSMOPULS, TOTAL (MCL AS P) 0.076 mg1 RA-2 10011960 1 PHOSMOPULS, TOTAL (MCL AS P) 0.036 mg1 RA-2 040120202 1 PHOSMOPULS, TOTAL (MCL AS P) 0.038 mg1 RA-2 040120202 300 PHOSMOPULS, TOTAL (MCL AS P) 0.028 mg1 RA-2 100802002 400 PHOSMOPULS, TOTAL (MCL AS P) 0.238 mg1 RA-2 100802002 400 PHOSMOPULS, TOTAL (MCL AS P) 0.238 mg1 RA-2 100802002 400 PHOSMOPULS, TOTAL (MCL AS P) 0.238 mg1 RA-2 4241996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) | | | | | | | |
| RAi2 07152002 300 PHOSPHORUS, DISSOLVED MOL, AS P) 0.028 mg1 RAi2 100802002 500 PHOSPHORUS, DISSOLVED MOL, AS P) 0.088 mg1 RAi2 4/441985 1 PHOSPHORUS, DISSOLVED MOL, AS P) 0.048 mg1 RAi2 4/441985 1 PHOSPHORUS, TOTAL (MGL, AS P) 0.048 mg1 RAi2 7/61986 1 PHOSPHORUS, TOTAL (MGL, AS P) 0.058 mg1 RAi2 7/61986 1 PHOSPHORUS, TOTAL (MGL, AS P) 0.058 mg1 RAi2 6/01986 1 PHOSPHORUS, TOTAL (MGL, AS P) 0.058 mg1 RAi2 104032002 1 PHOSPHORUS, TOTAL (MGL, AS P) 0.058 mg1 RAi2 104032002 10 PHOSPHORUS, TOTAL (MGL, AS P) 0.058 mg1 RAi2 104032002 0 PHOSPHORUS, TOTAL (MGL, AS P) 0.263 mg1 RAi2 104032002 0 PHOSPHORUS, TOTAL (MGL, AS P) 0.263 mg1 RAi2 4/2419905 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 11.8 Deg. C RAi2 4/2419905 1 TEMPER | | | | | | | |
| RA-2 06082002 400 PHOSPHORUS, DISSOUVED MOL, AS P) 0.08 mg/l RA-2 46241965 1 PHOSPHORUS, DISSOUVED MOL, AS P) 0.06 mg/l RA-2 46241965 1 PHOSPHORUS, TOTAL, (MGL, AS P) 0.06 mg/l RA-2 761965 1 PHOSPHORUS, TOTAL, (MGL, AS P) 0.06 mg/l RA-2 761965 1 PHOSPHORUS, TOTAL, (MGL, AS P) 0.06 mg/l RA-2 761965 1 PHOSPHORUS, TOTAL, (MGL, AS P) 0.06 mg/l RA-2 1011985 1 PHOSPHORUS, TOTAL, (MGL, AS P) 0.06 mg/l RA-2 00112002 300 PHOSPHORUS, TOTAL, (MGL, AS P) 0.025 mg/l RA-2 100982002 300 PHOSPHORUS, TOTAL, (MGL, AS P) 0.035 mg/l RA-2 140982002 500 PHOSPHORUS, TOTAL, (MGL, AS P) 0.035 mg/l RA-2 140982002 500 PHOSPHORUS, TOTAL, (MGL, AS P) 0.035 mg/l RA-2 140441985 1 TEMPERATURE, WATER, (DGR, RES CENTIGRADD) 11.81 beg. C RA-2 42441985 1 | | | | | | | |
| RAI-2 10082002 500 PHOSPHORUS, DISSOLVED (MGL, AS P) 0.045 ImpL RAI-2 4241985 PHOSPHORUS, TOTAL, (MGL, AS P) 0.076 ImpL RAI-2 781985 PHOSPHORUS, TOTAL, (MGL, AS P) 0.076 ImpL RAI-2 781985 PHOSPHORUS, TOTAL, (MGL, AS P) 0.086 ImpL RAI-2 10101985 PHOSPHORUS, TOTAL, (MGL, AS P) 0.088 ImpL RAI-2 00102002 PHOSPHORUS, TOTAL, (MGL, AS P) 0.088 ImpL RAI-2 00102002 PHOSPHORUS, TOTAL, (MGL, AS P) 0.128 ImpL RAI-2 00102002 300 PHOSPHORUS, TOTAL, (MGL, AS P) 0.285 ImpL RAI-2 00102002 300 PHOSPHORUS, TOTAL, (MGL, AS P) 0.285 ImpL RAI-2 42241995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 11.8 Dmg. C RAI-2 42241995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 11.5 Dmg. C RAI-2 42241995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 11.5 Dmg. C RAI-2 42241995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 15.5 Dmg. C < | | | | | | | |
| RAI-2 4/24/1995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.076 Impl. RAI-2 RAI1995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.076 Impl. RAI-2 81/101995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.115 Impl. RAI-2 81/101995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.098 Impl. RAI-2 00/032002 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.098 Impl. RAI-2 00/032002 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.208 Impl. RAI-2 00/032002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.208 Impl. RAI-2 00/042002 40 PHOSPHORUS, TOTAL, (MGL AS P) 0.208 Impl. RAI-2 0.0002002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.208 Impl. RAI-2 0.0002002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.208 Impl. RAI-2 0.0002002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.208 Impl. RAI-2 0.2041995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.9 Dp.C RAI-2 0.2241995 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| RA+2 68/1995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.076 [mgL]. RA+2 8/101985 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.086 [mgL]. RA+2 8/101985 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.086 [mgL]. RA+2 0/101985 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.086 [mgL]. RA+2 0/102002 9 PHOSPHORUS, TOTAL, (MGL AS P) 0.186 [mg] RA+2 0/102002 900 PHOSPHORUS, TOTAL, (MGL AS P) 0.286 [mg] RA+2 100882002 400 PHOSPHORUS, TOTAL, (MGL AS P) 0.288 [mg] RA+2 100882002 500 PHOSPHORUS, TOTAL, (MGL AS P) 0.288 [mg] RA+2 4241985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 161 Deg. C RA+2 4241985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 163 Deg. C RA+2 4241985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 163 Deg. C RA+2 4241985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 164 Deg. C RA+2 4241985 | | | | | | | |
| RAI-2 76/1995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.05/mgL RAI-2 81/11995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.048/mgL RAI-2 04/03/2002 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.068/mgL RAI-2 04/03/2002 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.025/mgl RAI-2 06/03/2002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.205/mgl RAI-2 00/03/2002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.205/mgl RAI-2 00/03/2002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.205/mgl RAI-2 10/04/2002 0 PHOSPHORUS, TOTAL, (MGL AS P) 0.205/mgl RAI-2 4/24/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 Deg. C RAI-2 4/24/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 4/24/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 4/24/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 4/24/1 | | | | | | | |
| RAi2 9/10101995 1 PHOSPHORUS, TOTAL, (MGL AS P) 0.0081mg1 RAi2 10101995 PHOSPHORUS, TOTAL, (MGL AS P) 0.0081mg1 RAi2 00102002 PHOSPHORUS, TOTAL, (MGL AS P) 0.1281mg1 RAi2 00102002 PHOSPHORUS, TOTAL, (MGL AS P) 0.205 mg1 RAi2 00102002 300 PHOSPHORUS, TOTAL, (MGL AS P) 0.205 mg1 RAi2 10082002 400 PHOSPHORUS, TOTAL, (MGL AS P) 0.236 mg1 RAi2 14241985 1 TEMPERATURE, WATER, (DEGREES CENTIGRADE) 116.1 Deg. C RAi2 42241985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 165.0 Deg. C RAi2 42241985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 165.0 Deg. C RAi2 42241985 TEMPERATURE, WATER (DEGREES CENTIGRADE) 165.0 Deg. C RAi2 RAi2 42241985 TEMPERATURE, WATER (DEGREES CENTIGRADE) 163.0 Deg. C RAi2 RAi2 42241985 TEMPERATURE, WATER (DEGREES CENTIGRADE) 163.0 Deg. C RAi2 RAi2 42241985 TEMPERATURE, WATER | | | | | | | |
| RAI-2 101010985 1 PH0SPHORUS, TOTAL (MGL, AS P) 0.088 mg1 RAI-2 04032002 9 PH0SPHORUS, TOTAL (MGL, AS P) 0.028 mg1 RAI-2 071752002 90 PH0SPHORUS, TOTAL (MGL, AS P) 0.228 mg1 RAI-2 00082002 406 PH0SPHORUS, TOTAL (MGL, AS P) 0.288 mg1 RAI-2 10082002 406 PH0SPHORUS, TOTAL (MGL, AS P) 0.288 mg1 RAI-2 10082002 500 PH0SPHORUS, TOTAL (MGL, AS P) 0.288 mg1 RAI-2 142411995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.10 Deg. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Deg. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Deg. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Deg. C RAI-2 1641092 2 164092 2 164092 0 RAI-2 | | | | , , , , | | , č | |
| RAI-2 OH032PRODUS, TOTAL (MGLA SP) 0.088 mg/l RAI-2 067102002 9 PH05PH0RUS, TOTAL (MGLA SP) 0.128 mg/l RAI-2 060702002 300 PH05PH0RUS, TOTAL (MGLA SP) 0.228 mg/l RAI-2 060702002 500 PH05PH0RUS, TOTAL (MGLA SP) 0.228 mg/l RAI-2 060702002 500 PH05PH0RUS, TOTAL (MGLA SP) 0.228 mg/l RAI-2 142441995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 0eg C RAI-2 142441995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 0eg C RAI-2 142441995 15 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.8 0eg C RAI-2 142441995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.9 0eg C RAI-2 14241995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.9 0eg C RAI-2 14241995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 0eg C RAI-2 5681995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 0eg C RAI-2 5681995 | | | | | | | |
| RAI-2 06102002 9 PHOSPHORUS, TOTAL (MGL AS P) 0.128 mgl RAI-2 007152002 406 PHOSPHORUS, TOTAL (MGL AS P) 0.258 mgl RAI-2 100082002 406 PHOSPHORUS, TOTAL (MGL AS P) 0.258 mgl RAI-2 100082002 406 PHOSPHORUS, TOTAL (MGL AS P) 0.258 mgl RAI-2 142411995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 Dog. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 Dog. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 Dog. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Dog. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Dog. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Dog. C RAI-2 142411995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.1 Dog. C RAI-2 58/995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.1 Dog. C <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| RAI-2 07/15/2002 300 PHOSPHORUS, TOTAL (MGL AS P) 0.205 mg1 RAI-2 0008/2002 600 PHOSPHORUS, TOTAL (MGL AS P) 0.283 mg1 RAI-2 142441995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 Dog. C RAI-2 42441995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 Dog. C RAI-2 42441995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.3 Dog. C RAI-2 42441995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Dog. C RAI-2 42441995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.9 Dog. C RAI-2 42441995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 Dog. C RAI-2 42441995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.3 Dog. C RAI-2 581999 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.3 Dog. C RAI-2 581999 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.3 Dog. C RAI-2 581999 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.4 Dog. C | | | | | | | |
| RAI-2 06092002 406 PHOSPHORUS, TOTAL (MQL AS P) 0.256 mg/1 RAI-2 10092002 5000 PHOSPHORUS, TOTAL (MQL AS P) 0.256 mg/1 RAI-2 4/24/1985 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 Deg. C RAI-2 4/24/1985 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 Deg. C RAI-2 4/24/1985 13.5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 Deg. C RAI-2 4/24/1985 13.5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 Deg. C RAI-2 4/24/1985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 Deg. C RAI-2 4/24/1985 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 Deg. C RAI-2 4/24/1985 9 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.1 Deg. C RAI-2 5/8/1985 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.1 Deg. C RAI-2 5/8/1985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.1 Deg. C RAI-2 5/8/1985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) | | | | | | | |
| RAI-2 10082002 500 PHOSPHORUS, TOTAL (MAQ, AS P) 0.283 mg/l RAI-2 4/24/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 117, B.Dog, C. RAI-2 4/24/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16, Dog, C. RAI-2 4/24/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16, Dog, C. RAI-2 4/24/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17, B.Dog, C. RAI-2 4/24/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17, B.Dog, C. RAI-2 4/24/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17, B.Dog, C. RAI-2 4/24/1965 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24, B.Dog, C. RAI-2 5/8/1986 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24, B.Dog, C. RAI-2 5/8/1986 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24, B.Dog, C. RAI-2 5/8/1986 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24, B.Dog, C. RAI-2 5/8/1986 1 TEMPERATURE, WATER (DEGREES CENTIGR | | | | | | | |
| RAI-2 424/1985 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 0.90, C RAI-2 424/1985 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 0.90, C RAI-2 424/1985 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 0.90, C RAI-2 424/1986 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 0.90, C RAI-2 424/1986 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.0 0.90, C RAI-2 424/1985 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.4 0.90, C RAI-2 424/1985 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.6 0.90, C RAI-2 5.6/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.8 0.90, C RAI-2 5.6/1996 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.4 0.90, C RAI-2 5.6/1996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 2.4 0.90, C RAI-2 5.6/1996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) | | | | | | - | |
| RAI-2 424/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.1 Deg. C RAI-2 424/1995 11.1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.2 Deg. C RAI-2 424/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.6 Deg. C RAI-2 424/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.6 Deg. C RAI-2 424/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.6 Deg. C RAI-2 424/1995 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.6 Deg. C RAI-2 424/1996 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.3 Deg. C RAI-2 56/1986 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.3 Deg. C RAI-2 56/1986 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.3 Deg. C RAI-2 56/1986 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.3 Deg. C RAI-2 56/1986 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) <t< td=""><td></td><td></td><td></td><td></td><td></td><td>Ň</td><td></td></t<> | | | | | | Ň | |
| RAI-2 4/24/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.3 (Deg C RAI-2 4/24/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 (Deg C RAI-2 4/24/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 (Deg C RAI-2 4/24/1985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 (Deg C RAI-2 4/24/1985 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.9 (Deg C RAI-2 4/24/1985 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 18.4 (Deg C RAI-2 5/8/1996 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.3 (Deg C RAI-2 5/8/1996 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.3 (Deg C RAI-2 5/8/1996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 21.5 (Deg C RAI-2 5/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 (Deg C RAI-2 5/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 (Deg C RAI-2 5/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) | | | | | | | |
| RAI-2 4/24/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 165 Deg. C RAI-2 4/24/1986 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 4/24/1986 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 4/24/1985 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg. C RAI-2 4/24/1986 9 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.4 Deg. C RAI-2 5/8/1996 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.8 Deg. C RAI-2 5/8/1995 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.4 Deg. C 27.4 Deg. C RAI-2 5/8/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.4 Deg. C RAI-2 5/8/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 Deg. C RAI-2 5/8/1996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 Deg. C RAI-2 5/8/1996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 Deg. C RAI-2 7/8/1986 1 TEMPERATURE, WATER (DEGREES CENTIGR | | | | | | | |
| RAI-2 4/22/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.5 Deg C RAI-2 4/24/1985 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 Deg C RAI-2 4/24/1985 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.4 Deg C RAI-2 4/24/1996 9 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.3 Deg C RAI-2 5/8/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.3 Deg C RAI-2 5/8/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.4 Deg C RAI-2 5/8/1995 9 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.5 Deg C RAI-2 5/8/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 Deg C RAI-2 5/8/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 Deg C RAI-2 5/8/1996 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 Deg C RAI-2 5/8/1996 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25 | | | | | | | |
| RAI-2 4/24/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.8 [Dog. C RAI-2 4/24/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 17.5 [Dog. C RAI-2 4/24/1995 9 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.4 [Dog. C RAI-2 5/8/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.8 [Dog. C RAI-2 5/8/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.4 [Dog. C RAI-2 5/8/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.4 [Dog. C RAI-2 5/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.5 [Dog. C RAI-2 5/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 5/8/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 5/8/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 [Dog. C RAI-2 7/8/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 [Dog. C RAI-2 7/8/1995 TEMPERATURE, WATER (DEGREES CENTIGRADE) | | | | | | | |
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| RAI-2 4/24/1965 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 117.5 [Dog. C RAI-2 4/24/1965 9 TEMPERATURE, WATER (DEGREES CENTIGRADE) 16.4 [Dog. C RAI-2 5/8/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 23.8 [Dog. C RAI-2 5/8/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.3 [Dog. C RAI-2 5/8/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.3 [Dog. C RAI-2 5/8/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.5 [Dog. C RAI-2 5/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 5/8/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 7/8/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 7/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 7/8/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.5 [Dog. C RAI-2 7/8/1995 TEMPERATURE, WATER (DEGREES CENTIGRADE) <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
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| RAI-2 5/8/1995 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 Deg. C RAI-2 5/8/1995 0 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.9 Deg. C RAI-2 7/6/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 24.9 Deg. C RAI-2 7/6/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.1 Deg. C RAI-2 7/6/1995 5 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 Deg. C RAI-2 7/6/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 Deg. C RAI-2 7/6/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.2 Deg. C RAI-2 7/6/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 25.4 Deg. C RAI-2 7/6/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.8 Deg. C RAI-2 8/10/1995 7 TEMPERATURE, WATER (DEGREES CENTIGRADE) 28.8 Deg. C RAI-2 8/10/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) | | | | | | , in the second s | |
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| RAI-2 10/10/1995 11 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.3 Deg. C RAI-2 10/10/1995 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 21.5 Deg. C RAI-2 10/10/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.1 Deg. C RAI-2 10/10/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.1 Deg. C RAI-3 04/03/2002 3 Chlorophyll (a+b+c) 292 ug/l RAI-3 06/10/2002 250 Chlorophyll (a+b+c) 250 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 150 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 | | | | | | | |
| RAI-2 10/10/1995 3 TEMPERATURE, WATER (DEGREES CENTIGRADE) 21.5 Deg. C RAI-2 10/10/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.1 Deg. C RAI-2 10/10/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.1 Deg. C RAI-3 04/03/2002 3 Chlorophyll (a+b+c) 292 ug/l RAI-3 06/10/2002 250 Chlorophyll (a+b+c) 250 ug/l RAI-3 06/10/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll (a, b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 | | | | , , , , | | | |
| RAI-2 10/10/1995 13 TEMPERATURE, WATER (DEGREES CENTIGRADE) 19.1 Deg. C RAI-2 10/10/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 21.9 Deg. C RAI-3 04/03/2002 3 Chlorophyll (a+b+c) 292 ug/l RAI-3 06/10/2002 250 Chlorophyll (a+b+c) 250 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 06/10/2002 | | | | | | | |
| RAI-2 10/10/1995 1 TEMPERATURE, WATER (DEGREES CENTIGRADE) 21.9 Deg. C RAI-3 04/03/2002 3 Chlorophyll (a+b+c) 292 ug/l RAI-3 06/10/2002 250 Chlorophyll (a+b+c) 250 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll (a, tb+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 06/10/2002 258 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 | | | | | | | 1 |
| RAI-3 04/03/2002 3 Chlorophyll (a+b+c) 292 ug/l RAI-3 06/10/2002 250 Chlorophyll (a+b+c) 250 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 06/10/2002 258 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 151 ug/l | | | | , , , , , , | | | 1 |
| RAI-3 06/10/2002 250 Chlorophyll (a+b+c) 250 ug/l RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 08/08/2002 150 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 104 ug/l | | | | | | | 1 |
| RAI-3 07/15/2002 258 Chlorophyll (a+b+c) 258 ug/l RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 104 ug/l | | | | | | U U | 1 |
| RAI-3 08/08/2002 162 Chlorophyll (a+b+c) 162 ug/l RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 151 ug/l | | | | | | - × | |
| RAI-3 10/08/2002 150 Chlorophyll (a+b+c) 150 ug/l RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 151 ug/l | | | | | | | |
| RAI-3 04/03/2002 3 Chlorophyll a, corrected for pheophytin 46.5 ug/l RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 151 ug/l | | | | | | - U | |
| RAI-3 06/10/2002 250 Chlorophyll a, corrected for pheophytin 104 ug/l RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 151 ug/l | | | | | | | |
| RAI-3 07/15/2002 258 Chlorophyll a, corrected for pheophytin 151 ug/l | | | | | | - × | |
| | | | | | | , č | |
| | | | | | | - × | |
| RAI-3 10/08/2002 102 Chlorophyll a, corrected for pheophytin 32.0 ug/l 10/08/2002 150 Chlorophyll a, corrected for pheophytin 148 ug/l | | | | | | - × | |
| RAI-3 04/03/2002 3 Chlorophyllia, confected for pheophylin 49 ug/l | | | | | | - × | |
| RAI-3 06/10/2002 250 Chlorophyllia, uncorrected for pheophytin 103 ug/l | | | | | | | 1 |
| RAI-S 06/17/2002 250 Chlorophyllia, uncorrected for pheophytin 105 ug/l RAI-3 07/15/2002 258 Chlorophyllia, uncorrected for pheophytin 152 ug/l | | | | | | - × | <u> </u> |

| Ctation ID | Data | Comula Danth | Deservator | Desult Value | l luite | Downouls Code |
|---------------------|-------------------------|---------------------|--------------------------------------------------------------------------------------------|----------------------|--------------|---------------|
| Station ID RAI-3 | Date 08/08/2002 | Sample Depth 162 | Parameter Chlorophyll a, uncorrected for pheophytin | Result Value 98.5 | | Remark Code |
| RAI-3 | 10/08/2002 | 150 | Chlorophyll a, uncorrected for pheophytin | 150 | ° . | |
| RAI-3 | 4/24/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 36.24 | | |
| RAI-3 | 6/8/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 44.06 | | |
| RAI-3 | 7/6/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 7.476 | µg/L | |
| RAI-3 | 8/10/1995 | 4 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 83.72 | | |
| RAI-3 | 10/10/1995 | 3 | CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH. | 82.325 | | |
| RAI-3 | 4/24/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 29.05 | | |
| RAI-3 | 6/8/1995 | 4 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 44.91 | | |
| RAI-3 | 7/6/1995 | 4 | | 6.7276 | | |
| RAI-3 RAI-3 | 8/10/1995 10/10/1995 | 4 3 | CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED | 82.203 83.973 | | |
| RAI-3 RAI-3 | 04/03/2002 | 3 | Chlorophyll-b | 2.72 | | |
| RAI-3 | 06/10/2002 | 250 | Chlorophyll-b | 2.12 | ug/i | |
| RAI-3 | 07/15/2002 | 258 | Chlorophyll-b | | | |
| RAI-3 | 08/08/2002 | 162 | Chlorophyll-b | | | |
| RAI-3 | 10/08/2002 | 150 | Chlorophyll-b | | | |
| RAI-3 | 04/03/2002 | 3 | Chlorophyll-c | 5.1 | ug/l | |
| RAI-3 | 06/10/2002 | 250 | Chlorophyll-c | 6.72 | | |
| RAI-3 | 07/15/2002 | 258 | Chlorophyll-c | 5.47 | | |
| RAI-3 | 08/08/2002 | 162 | Chlorophyll-c | 4.88 | Ŭ | |
| RAI-3 | 10/08/2002 | 150 | | 15.3 | Ŭ | |
| RAI-3 RAI-3 | 4/24/1995 6/8/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 24.6 4.16 | 10 | |
| RAI-3 RAI-3 | 7/6/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | | | |
| RAI-3 RAI-3 | 8/10/1995 | 4 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 1.0972 3.1881 | | |
| RAI-3 | 10/10/1995 | 3 | CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED | 11.038 | | |
| RAI-3 | 4/24/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-3 | 4/24/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | 9 | Feet | |
| RAI-3 | 6/8/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | 8.5 | Feet | |
| RAI-3 | 6/8/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-3 | 7/6/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-3 | 7/6/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-3 | 8/10/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | Feet | |
| RAI-3 RAI-3 | 8/10/1995 10/10/1995 | 1 | DEPTH OF POND OR RESERVOIR IN FEET DEPTH OF POND OR RESERVOIR IN FEET | | Feet Feet | |
| RAI-3 | 04/03/2002 | 1 | DEPTH OF POND OR RESERVOIR IN FEET | | ft | |
| RAI-3 | 06/10/2002 | 9 | DEPTH OF POND OR RESERVOIR IN FEET | | ft | |
| RAI-3 | 07/15/2002 | 300 | DEPTH OF POND OR RESERVOIR IN FEET | | ft | |
| RAI-3 | 08/08/2002 | 406 | DEPTH OF POND OR RESERVOIR IN FEET | 6 | ft | |
| RAI-3 | 10/08/2002 | 500 | DEPTH OF POND OR RESERVOIR IN FEET | 6 | ft | |
| RAI-3 | 04/03/2002 | 3 | Depth of Sample | 3 | ft | |
| RAI-3 | 04/03/2002 | 1 | Depth of Sample | | ft | |
| RAI-3 | 06/10/2002 | 250 | Depth of Sample | | ft | |
| RAI-3 | 06/10/2002 | 9 | Depth of Sample | | ft | |
| RAI-3 RAI-3 | 07/15/2002 07/15/2002 | 300 258 | Depth of Sample Depth of Sample | | ft ft | |
| RAI-3 | 08/08/2002 | 406 | Depth of Sample | | ft | |
| RAI-3 | 08/08/2002 | | Depth of Sample | | ft | |
| RAI-3 | 08/08/2002 | 8 | Depth of Sample | | ft | |
| RAI-3 | 08/08/2002 | 162 | Depth of Sample | | ft | |
| RAI-3 | 10/08/2002 | 500 | Depth of Sample | 1 | ft | |
| RAI-3 | 10/08/2002 | 150 | Depth of Sample | | ft | |
| RAI-3 | 4/24/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 4/24/1995 | 7 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 4/24/1995 4/24/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 RAI-3 | 4/24/1995 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-3 RAI-3 | 5/8/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-3 | 5/8/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 5/8/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 5/8/1995 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 5/8/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 0.4 | mg/L | |
| RAI-3 | 7/6/1995 | 7 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 7/6/1995 | 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 7/6/1995 | 8 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 7/6/1995 | 0 | | | mg/L | |
| RAI-3 | 7/6/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 RAI-3 | 7/6/1995 8/10/1995 | 1 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-3 RAI-3 | 8/10/1995 | 1 5 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L mg/L | |
| RAI-3 RAI-3 | 8/10/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 8/10/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 8/10/1995 | 9 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 8/10/1995 | 7 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| RAI-3 | 10/10/1995 | 1 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | | mg/L | |
| | | | | | | |

| Station ID | Date | Sample Depth | Parameter | Result Value | Units | Remark Code |
|------------|------------|--------------|--------------------------------------------|--------------|--------|-------------|
| RAI-3 | 10/10/1995 | 5 | OXYGEN , DISSOLVED, ANALYSIS BY PROBE MG/L | 10.6 | mg/L | |
| RAI-3 | 10/10/1995 | 6 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | 9.8 | mg/L | |
| RAI-3 | 10/10/1995 | 3 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | 11 | mg/L | |
| RAI-3 | 10/10/1995 | 0 | OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L | 11.2 | mg/L | |
| RAI-3 | 4/24/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.008 | mg/L | |
| RAI-3 | 6/8/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.032 | mg/L | |
| RAI-3 | 7/6/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.021 | mg/L | |
| RAI-3 | 8/10/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.023 | mg/L | |
| RAI-3 | 10/10/1995 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.024 | mg/L | |
| RAI-3 | 04/03/2002 | 1 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.021 | mg/l | |
| RAI-3 | 06/10/2002 | 9 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.014 | mg/l | |
| RAI-3 | 07/15/2002 | 300 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.043 | mg/l | |
| RAI-3 | 08/08/2002 | 406 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.185 | mg/l | |
| RAI-3 | 10/08/2002 | 500 | PHOSPHORUS, DISSOLVED (MG/L AS P) | 0.059 | mg/l | |
| RAI-3 | 4/24/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.051 | mg/L | |
| RAI-3 | 6/8/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.104 | mg/L | |
| RAI-3 | 7/6/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.0969999 | mg/L | |
| RAI-3 | 8/10/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.063 | mg/L | |
| RAI-3 | 10/10/1995 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.127 | mg/L | |
| RAI-3 | 04/03/2002 | 1 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.11 | mg/l | |
| RAI-3 | 06/10/2002 | 9 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.137 | mg/l | |
| RAI-3 | 07/15/2002 | 300 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.227 | mg/l | |
| RAI-3 | 08/08/2002 | 500 | PHOSPHORUS, TOTAL (MG/L AS P) | 357 | mg/kg | |
| RAI-3 | 08/08/2002 | 406 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.357 | | |
| RAI-3 | 10/08/2002 | 500 | PHOSPHORUS, TOTAL (MG/L AS P) | 0.234 | mg/l | |
| RAI-3 | 4/24/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.3 | Deg. C | |
| RAI-3 | 4/24/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 16.6 | Deg. C | |
| RAI-3 | 4/24/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 18.3 | Deg. C | |
| RAI-3 | 4/24/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 17.8 | Deg. C | |
| RAI-3 | 4/24/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 18.3 | Deg. C | |
| RAI-3 | 5/8/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 24.4 | Deg. C | |
| RAI-3 | 5/8/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 27.5 | Deg. C | |
| RAI-3 | 5/8/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 26.1 | Deg. C | |
| RAI-3 | 5/8/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 23.4 | Deg. C | |
| RAI-3 | 7/6/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.3 | Deg. C | |
| RAI-3 | 7/6/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.3 | Deg. C | |
| RAI-3 | 7/6/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.3 | Deg. C | |
| RAI-3 | 7/6/1995 | 8 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.3 | Deg. C | |
| RAI-3 | 7/6/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.3 | Deg. C | |
| RAI-3 | 7/6/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 25.3 | Deg. C | |
| RAI-3 | 8/10/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 30.3 | Deg. C | |
| RAI-3 | 8/10/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 29.6 | Deg. C | |
| RAI-3 | 8/10/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 30.3 | Deg. C | |
| RAI-3 | 8/10/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 29.9 | Deg. C | |
| RAI-3 | 8/10/1995 | 7 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 29.5 | Deg. C | |
| RAI-3 | 8/10/1995 | 9 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 27.1 | Deg. C | |
| RAI-3 | 10/10/1995 | 3 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 21.5 | Deg. C | |
| RAI-3 | 10/10/1995 | 0 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 21.5 | Deg. C | |
| RAI-3 | 10/10/1995 | 1 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 21.5 | Deg. C | |
| RAI-3 | 10/10/1995 | 5 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 21.1 | Deg. C | |
| RAI-3 | 10/10/1995 | 6 | TEMPERATURE, WATER (DEGREES CENTIGRADE) | 21 | Deg. C | |

Appendix D Drainage Area Ratio Calculations

| | | Total NPDES Discharge in Watershed |
|--------------------------------------------------|--------------|------------------------------------------|
| Surrogate Gage | Area (Sq.Mi) | (CFS) |
| USGS 05597500 CRAB ORCHARD CREEK NEAR MARION, IL | 31.70 | 0.00464 |

| Watershed | Area (Sq.Mi) | Ratio (Surrogate Gage) | Total NPDES Discharge in Watershed (CFS) |
|-------------------------------|--------------|---------------------------|---------------------------------------------------|
| Bankston Fork Segment ATGC-01 | 76.28 | 2.41 | 0 |
| Bankston Fork Segment ATGC-02 | 39.21 | 1.24 | 0 |
| Bankston Fork Segment ATGC-11 | 10.10 | 0.32 | 0 |
| Brushy Creek Segment ATGH-09 | 21.76 | 0.69 | 0.1176 |
| Brushy Creek Segment ATGH-10 | 16.59 | 0.52 | 0.1176 |
| Harco Branch Segment ATGM-01 | 4.02 | 0.13 | 0 |

Appendix E Manganese Load Duration Curve Calculations

| | | | Flow | | Actual | Allowable | |
|--------------------|------------------------|------------|----------------------|-------------|-----------------|----------------|------------|
| | | | Exceedence | Total Mn | Load | Load | |
| Station | DATE | Flow (CFS) | % | (µg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 1/25/1990 | 2.876371 | 0.2396% | 1717 | 26.64 | 15.51 | Yes |
| ATGC-01 | 3/7/1990 | 5.282654 | 0.5027% | 1407 | 40.09 | 28.49 | Yes |
| ATGC-01 | 4/11/1990 | 736.3117 | 0.6061% | 880 | 3,494.92 | 3,971.50 | No |
| ATGC-01 | 5/14/1990 | 401.8382 | 2.2787% | 772 | 1,673.25 | 2,167.43 | No |
| ATGC-01 | 6/14/1990 | 14.66716 | 4.2802% | 1393 | 110.20 | 79.11 | Yes |
| ATGC-01 | 7/24/1990 | | | 400 | 0.08 | 0.20 | No |
| ATGC-01 | 9/11/1990 | | | | 68.57 | 49.26 | Yes |
| ATGC-01 | 10/30/1990 | | | 206 | 0.23 | 1.11 | No |
| ATGC-01 | 12/20/1990 | | | 1150 | 462.63 | 402.29 | Yes |
| ATGC-01 | 1/30/1991 | | | 1281 | 781.35 | 609.95 | Yes |
| ATGC-01 | 3/7/1991 | | | 1511 | 235.24 | 155.69 | Yes |
| ATGC-01 | 4/9/1991 | | | 1565 | 243.65 | 155.69 | Yes |
| ATGC-01 | 5/13/1991 | | | 1000 | 111.56 | 111.56 | No |
| ATGC-01 | 6/11/1991 | | | | 9.59 | 24.60 | No |
| ATGC-01 | 7/18/1991 | | | | 0.06 | 0.20 | No |
| ATGC-01 | 9/30/1991 | 0.001 | 11.0787% | | 0.00 | 0.01 | No |
| ATGC-01 | 11/7/1991 | 0.001 | 11.5251% | 86 | 0.00 | 0.01 | No |
| ATGC-01 | 12/9/1991 | | | 1400 | 147.10 | 105.07 | Yes |
| ATGC-01 | 1/21/1992 | | | 1400 | 154.37 | 110.26 | Yes |
| ATGC-01 | 2/25/1992 | | | 1100 | 156.98 | 142.71 | Yes |
| ATGC-01 | 3/26/1992 | | | 960 | 298.98 | 311.43 | No |
| ATGC-01 ATGC-01 | 4/28/1992 | | 13.4890% 14.5978% | 1100 | 55.61 201.57 | 50.56 95.98 | Yes |
| ATGC-01 ATGC-01 | 6/25/1992 8/10/1992 | | | 2100 480 | 6.82 | 14.22 | Yes No |
| ATGC-01 ATGC-01 | 9/2/1992 | | | | 52.91 | 77.81 | No |
| ATGC-01 ATGC-01 | 10/6/1992 | | | 1100 | 115.58 | 105.07 | Yes |
| ATGC-01 ATGC-01 | 12/1/1992 | | | | 242.60 | 142.71 | Yes |
| ATGC-01 | | 2695.027 | | | | 14,536.37 | No |
| ATGC-01 | 2/10/1993 | | | | 202.89 | 119.35 | Yes |
| ATGC-01 | 3/18/1993 | | | | 286.73 | 168.67 | Yes |
| ATGC-01 | 4/22/1993 | | | | 363.33 | 259.52 | Yes |
| ATGC-01 | 6/8/1993 | | | | 68.46 | 62.24 | Yes |
| ATGC-01 | 7/13/1993 | | | | 5.66 | 24.60 | No |
| ATGC-01 | 9/16/1993 | 12.74213 | 22.1481% | 21000 | 1,443.29 | 68.73 | Yes |
| ATGC-01 | 11/15/1993 | 1821.546 | 22.1481% | 570 | 5,600.26 | 9,825.01 | No |
| ATGC-01 | 12/14/1993 | 50.52079 | 22.1481% | 1900 | 517.75 | 272.50 | Yes |
| ATGC-01 | 1/13/1994 | 60.14593 | 23.2240% | 1500 | 486.62 | 324.41 | Yes |
| ATGC-01 | 2/22/1994 | 221.3669 | 23.2240% | 1300 | 1,552.20 | 1,194.00 | Yes |
| ATGC-01 | 4/20/1994 | 14.1859 | 23.2240% | 1300 | 99.47 | 76.52 | Yes |
| ATGC-01 | 5/17/1994 | 6.485796 | 23.2240% | 1100 | 38.48 | 34.98 | Yes |
| ATGC-01 | 6/22/1994 | 2.298863 | 24.2577% | 1200 | 14.88 | 12.40 | Yes |
| ATGC-01 | 8/11/1994 | 0.001 | 24.2577% | 750 | 0.00 | 0.01 | No |
| ATGC-01 | 9/22/1994 | 0.001 | 25.3712% | 260 | 0.00 | 0.01 | No |
| ATGC-01 | 11/1/1994 | 1.191972 | 25.3712% | 85 | 0.55 | 6.43 | No |

| | | | Flow | | Actual | Allowable | |
|--------------------|------------------------|------------|------------|----------|----------------|-----------------|------------|
| | | | Exceedence | Total Mn | Load | Load | |
| Station | DATE | Flow (CFS) | % | (µg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 12/19/1994 | 12.26088 | 25.3712% | 1100 | 72.75 | 66.13 | Yes |
| ATGC-01 | 1/24/1995 | | | 1100 | 85.59 | 77.81 | Yes |
| ATGC-01 | 2/28/1995 | | | 950 | 1,245.27 | 1,310.81 | No |
| ATGC-01 | 4/19/1995 | | | | 26.86 | 47.96 | No |
| ATGC-01 | 5/23/1995 | | 26.7290% | 1500 | 179.02 | 119.35 | Yes |
| ATGC-01 | 7/3/1995 | | 26.7290% | | 133.22 | 102.47 | Yes |
| ATGC-01 | 8/10/1995 | | | | 62.50 | 79.11 | No |
| ATGC-01 | 9/7/1995 | | 28.1197% | | 0.00 | 0.01 | No |
| ATGC-01 | 10/16/1995 | | 30.2528% | 250 | 0.00 | 0.01 | No |
| ATGC-01 | 11/21/1995 | | 30.3514% | 1000 | 3.44 | 3.44 | No |
| ATGC-01 | 1/2/1996 | | | 1000 | 181.65 | 181.65 | No |
| ATGC-01 | 2/8/1996 | | | | 127.64 | 106.37 | Yes |
| ATGC-01 | 4/15/1996 | | | | 85.63 | 155.69 | No |
| ATGC-01 | 5/23/1996 6/13/1996 | | | | 272.47 | 181.65 | Yes |
| ATGC-01 ATGC-01 | 8/15/1996 | | | | 581.36 5.82 | 363.35 19.41 | Yes No |
| ATGC-01 ATGC-01 | 9/30/1996 | | | 1700 | 5.82 6.74 | 3.96 | Yes |
| ATGC-01 ATGC-01 | 11/4/1996 | | | 270 | 0.74 | 3.90 | No |
| ATGC-01 ATGC-01 | 12/19/1996 | | | 1500 | 214.06 | 142.71 | Yes |
| ATGC-01 ATGC-01 | 1/30/1997 | | | 1400 | 214.00 | 155.69 | Yes |
| ATGC-01 | 3/6/1997 | | | 1400 | 420.45 | 350.37 | Yes |
| ATGC-01 | 4/17/1997 | | 36.9667% | 1400 | 290.64 | 207.60 | Yes |
| ATGC-01 | 6/4/1997 | | | 1300 | 421.74 | 324.41 | Yes |
| ATGC-01 | 7/11/1997 | | | 540 | 14.69 | 27.20 | No |
| ATGC-01 | 8/18/1997 | | | | 1.94 | 4.61 | No |
| ATGC-01 | 9/25/1997 | | 37.6668% | 160 | 1.65 | 10.32 | No |
| ATGC-01 | 11/10/1997 | 1.312286 | | 53 | 0.38 | 7.08 | No |
| ATGC-01 | 12/17/1997 | | | 370 | 13.42 | 36.28 | No |
| ATGC-01 | 1/22/1998 | | | | 132.71 | 120.64 | Yes |
| ATGC-01 | 2/25/1998 | 33.6768 | 40.6737% | 810 | 147.13 | 181.65 | No |
| ATGC-01 | 4/15/1998 | 120.303 | 41.3691% | 460 | 298.49 | 648.89 | No |
| ATGC-01 | 5/20/1998 | 7.929567 | 42.8632% | 510 | 21.81 | 42.77 | No |
| ATGC-01 | 6/18/1998 | 36.08309 | 43.7136% | 940 | 182.95 | 194.62 | No |
| ATGC-01 | 7/29/1998 | 6.485796 | 44.0331% | 170 | 5.95 | 34.98 | No |
| ATGC-01 | 9/16/1998 | 0.470087 | 44.3291% | 81 | 0.21 | 2.54 | No |
| ATGC-01 | 10/22/1998 | | 44.3291% | 65 | 0.59 | 9.03 | No |
| ATGC-01 | 11/23/1998 | | | | 0.84 | 24.60 | No |
| ATGC-01 | 1/28/1999 | | | | 320.50 | 246.54 | Yes |
| ATGC-01 | 2/17/1999 | | | | 217.97 | 181.65 | Yes |
| ATGC-01 | 3/29/1999 | | | | 129.73 | 129.73 | No |
| ATGC-01 | 5/7/1999 | | | | 818.26 | 843.57 | No |
| ATGC-01 | 7/6/1999 | | | | 3.15 | 6.17 | No |
| ATGC-01 | 8/17/1999 | | 50.8786% | | 0.00 | 0.01 | No |
| ATGC-01 | 9/23/1999 | 0.001 | 51.4518% | 140 | 0.00 | 0.01 | No |

| | | | Flow | | Actual | Allowable | |
|--------------------|-------------------------|------------|----------------------|-------------|-----------------|----------------|------------|
| | | | Exceedence | Total Mn | Load | Load | |
| Station | DATE | Flow (CFS) | % | (µg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 11/4/1999 | | 51.4518% | 210 | 0.00 | 0.01 | No |
| ATGC-01 | 12/17/1999 | | 51.4518% | 500 | 9.06 | 18.11 | No |
| ATGC-01 | 1/26/2000 | | | 1600 | 14.86 | 9.28 | Yes |
| ATGC-01 | 3/1/2000 | | | 1000 | 194.62 | 194.62 | No |
| ATGC-01 | 4/19/2000 | | 52.8143% | 490 | 19.69 | 40.17 | No |
| ATGC-01 | 5/24/2000 | | 52.8143% | 1400 | 1,617.09 | 1,155.07 | Yes |
| ATGC-01 | 6/22/2000 | | | 1400 | 635.88 | 454.20 | Yes |
| ATGC-01 | 8/16/2000 | | | 260 | 9.10 | 34.98 | No |
| ATGC-01 | 10/2/2000 | | 56.0985% | 130 | 0.00 | 0.01 | No |
| ATGC-01 | 11/15/2000 | | 56.0985% | 440 | 25.67 | 58.35 | No |
| ATGC-01 | 1/10/2001 | | 56.9301% | 1500 | 165.39 | 110.26 | Yes |
| ATGC-01 | 4/19/2001 | 8.89208 | | 880 | 42.21 | 47.96 | No |
| ATGC-01 | 7/26/2001 | | | 26000 | 99.67 | 3.83 | Yes |
| ATGC-01 ATGC-01 | 9/4/2001 11/1/2001 | | 61.2056% 62.5869% | 170 820 | 1.25 95.74 | 7.34 116.75 | No No |
| ATGC-01 ATGC-01 | 1/17/2001 | | | 1800 | 303.60 | 168.67 | Yes |
| ATGC-01 ATGC-01 | 2/21/2002 | | 63.8884% | 850 | 1,003.87 | 1,181.02 | No |
| ATGC-01 ATGC-01 | 3/20/2002 | | 64.1656% | 550 | 5,082.53 | 9,240.96 | No |
| ATGC-01 | 4/24/2002 | | | 1100 | 613.84 | 558.03 | Yes |
| ATGC-01 | 6/4/2002 | | 65.8382% | 1000 | 246.54 | 246.54 | No |
| ATGC-01 | 7/15/2002 | | | 370 | 3.53 | 9.54 | No |
| ATGC-01 | 8/19/2002 | 0.734778 | | 140 | 0.55 | 3.96 | No |
| ATGC-01 | 1/30/2003 | | | 1100 | 8.50 | 7.73 | Yes |
| ATGC-01 | 3/5/2003 | | 68.8076% | 880 | 354.01 | 402.29 | No |
| ATGC-01 | 3/26/2003 | 163.6161 | 71.5749% | 760 | 670.71 | 882.51 | No |
| ATGC-01 | 5/6/2003 | 401.8382 | 72.6696% | 760 | 1,647.24 | 2,167.43 | No |
| ATGC-01 | 6/18/2003 | 96.24018 | 72.6696% | 490 | 254.36 | 519.10 | No |
| ATGC-01 | 8/7/2003 | 3.357627 | 72.9468% | 210 | 3.80 | 18.11 | No |
| ATGC-01 | 9/4/2003 | 4.079513 | 74.2905% | 320 | 7.04 | 22.00 | No |
| ATGC-01 | 10/15/2003 | 0.518212 | 74.4926% | 110 | 0.31 | 2.80 | No |
| ATGC-01 | 11/18/2003 | | | 37 | 8.16 | 220.58 | No |
| ATGC-01 | 1/14/2004 | | | | 127.66 | 155.69 | No |
| ATGC-01 | 2/19/2004 | | | 820 | 159.59 | 194.62 | No |
| ATGC-01 | 4/14/2004 | | | 440 | 188.43 | 428.25 | No |
| ATGC-01 | 5/12/2004 | | | 460 | 23.85 | 51.86 | No |
| ATGC-01 | 6/9/2004 | | | 220 | 5.41 | 24.60 | No |
| ATGC-01 | 8/11/2004 | | | 140 | 2.35 | 16.81 | No |
| ATGC-01 | 9/8/2004 | | | 180 | 0.04 | 0.20 | No |
| ATGC-01 | 10/27/2004 | | | 400 | 186.87 | 467.18 | No |
| ATGC-01 ATGC-01 | 12/20/2004 1/27/2005 | | 85.5196% 85.5196% | 800 1200 | 53.94 108.95 | 67.43 90.79 | No |
| ATGC-01 ATGC-01 | 2/24/2005 | | | 1200 | 108.95 | 90.79 | Yes No |
| ATGC-01 ATGC-01 | 4/13/2005 | | 85.5196% | 800 | 664.47 | 830.59 | No |
| ATGC-01 ATGC-01 | 5/23/2005 | | | 340 | 9.25 | 27.20 | No |
| | 5/25/2005 | 5.042020 | 05.5150% | 540 | 9.23 | 27.20 | INU |

| | | | Flow | | Actual | Allowable | |
|---------|------------|------------|------------|----------|----------|-----------|------------|
| | | | Exceedence | Total Mn | Load | Load | |
| Station | DATE | Flow (CFS) | % | (µg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 6/29/2005 | 0.253521 | 85.5196% | 600 | 0.82 | 1.37 | No |
| ATGC-01 | 7/20/2005 | 1.986046 | 85.5196% | 250 | 2.68 | 10.71 | No |
| ATGC-01 | 9/15/2005 | 0.001 | 85.5196% | 280 | 0.00 | 0.01 | No |
| ATGC-01 | 10/31/2005 | 0.001 | 85.5196% | 140 | 0.00 | 0.01 | No |
| ATGC-01 | 12/6/2005 | 5.042026 | 85.5196% | 1000 | 27.20 | 27.20 | No |
| ATGC-02 | 7/7/1993 | 34.62505 | 14.5978% | 560 | 104.59 | 186.76 | No |
| ATGC-02 | 9/13/1993 | 0.860028 | 64.3441% | 160 | 0.74 | 4.64 | No |
| ATGC-02 | 12/15/1993 | 28.44098 | 16.6416% | 2100 | 322.15 | 153.40 | Yes |
| ATGC-02 | 7/16/2008 | 0.686874 | 66.9470% | 275 | 1.02 | 3.70 | No |
| ATGC-02 | 8/8/2008 | 0.78582 | 65.4247% | 202 | 0.86 | 4.24 | No |
| ATGC-02 | 9/22/2008 | 0.155045 | 79.5245% | 77.4 | 0.06 | 0.84 | No |
| ATGC-11 | 6/7/1993 | 1.782907 | 38.2541% | 1800 | 17.31 | 9.62 | Yes |
| ATGC-11 | 9/13/1993 | 0.221569 | 64.3441% | 880 | 1.05 | 1.20 | No |
| ATGC-11 | 12/15/1993 | 7.32725 | 16.6416% | 2300 | 90.90 | 39.52 | Yes |
| ATGC-11 | 7/16/2008 | 0.176959 | 66.9470% | 69.2 | 0.07 | 0.95 | No |
| ATGC-11 | 8/8/2008 | 0.202451 | 65.4247% | 189 | 0.21 | 1.09 | No |
| ATGC-11 | 9/22/2008 | 0.039944 | 79.5245% | 87.5 | 0.02 | 0.22 | No |
| ATGH-09 | 6/17/1993 | 2.929044 | 42.5860% | 710 | 11.22 | 15.80 | No |
| ATGH-09 | 9/13/1993 | 0.59496 | 64.3441% | 340 | 1.09 | 3.21 | No |
| ATGH-09 | 12/15/1993 | 15.9038 | 16.6416% | 1500 | 128.67 | 85.78 | Yes |
| ATGH-09 | 7/16/2008 | 0.498851 | 66.9470% | 304 | 0.82 | 2.69 | No |
| ATGH-09 | 8/8/2008 | 0.55377 | 65.4247% | 702 | 2.10 | 2.99 | No |
| ATGH-09 | 9/22/2008 | 0.203658 | 79.5245% | 162 | 0.18 | 1.10 | No |
| ATGM-01 | 6/17/1993 | 0.519864 | 42.5860% | 12000 | 33.65 | 2.80 | Yes |
| ATGM-01 | 9/28/1993 | 1.256114 | 29.3366% | 7700 | 52.17 | 6.78 | Yes |
| ATGM-01 | 12/13/1993 | 2.411266 | 19.0519% | 9600 | 124.86 | 13.01 | Yes |
| ATGM-01 | 7/16/2008 | 0.070497 | 66.9470% | 750 | 0.29 | 0.38 | No |
| ATGM-01 | 8/8/2008 | 0.080652 | 65.4247% | 253 | 0.11 | 0.44 | No |
| ATGM-01 | 9/22/2008 | 0.015913 | 79.5245% | 412 | 0.04 | 0.09 | No |

Appendix F Silver Load Duration Curve Calculations

| | | | Flow | | | | |
|---------|------------|-------------|------------|--------------|-------------|---------------|------------|
| | | | Exceedence | Total Silver | Actual Load | Allowable | |
| Station | DATE | · · / | % | (μg/L) | (lb/day) | Load (lb/day) | Exceedence |
| ATGC-01 | 1/25/1990 | 2.876370629 | 57.7335% | 3 | 0.05 | 0.08 | No |
| ATGC-01 | 3/7/1990 | | 50.8786% | 3 | 0.09 | 0.14 | No |
| ATGC-01 | 4/11/1990 | | 2.2787% | 3 | 11.91 | 19.86 | No |
| ATGC-01 | 5/14/1990 | | 4.2802% | 5 | 10.84 | 10.84 | No |
| ATGC-01 | 6/14/1990 | | 36.9667% | 3 | 0.24 | 0.40 | No |
| ATGC-01 | 7/24/1990 | | 84.6457% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 9/11/1990 | | 44.0331% | 7 | 0.34 | 0.25 | Yes |
| ATGC-01 | 10/30/1990 | | 82.4469% | 5 | 0.01 | 0.01 | No |
| ATGC-01 | 12/20/1990 | 74.58362932 | 13.4890% | 3 | 1.21 | 2.01 | No |
| ATGC-01 | 1/30/1991 | 113.0841709 | 10.5290% | 3 | 1.83 | 3.05 | No |
| ATGC-01 | 3/7/1991 | 28.86423619 | 25.3712% | 3 | 0.47 | 0.78 | No |
| ATGC-01 | 4/9/1991 | 28.86423619 | 25.3712% | 3 | 0.47 | 0.78 | No |
| ATGC-01 | 5/13/1991 | 20.68287111 | 31.6576% | 5 | 0.56 | 0.56 | No |
| ATGC-01 | 6/11/1991 | 4.560769323 | 52.8143% | 5 | 0.12 | 0.12 | No |
| ATGC-01 | 7/18/1991 | 0.036955687 | 84.6457% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 9/30/1991 | 0.001 | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 11/7/1991 | 0.001 | 85.5196% | 5 | 0.00 | 0.00 | No |
| ATGC-01 | 12/9/1991 | 19.47972918 | 32.5879% | 5 | 0.53 | 0.53 | No |
| ATGC-01 | 1/21/1992 | 20.44224272 | 31.8925% | 5 | 0.55 | 0.55 | No |
| ATGC-01 | 2/25/1992 | 26.45795234 | 26.7290% | 5 | 0.71 | 0.71 | No |
| ATGC-01 | 3/26/1992 | 57.73964238 | 16.2047% | 5 | 1.56 | 1.56 | No |
| ATGC-01 | 4/28/1992 | 9.37333702 | 43.7136% | 5 | 0.25 | 0.25 | No |
| ATGC-01 | 6/25/1992 | 17.79533049 | 34.2370% | 5 | 0.48 | 0.48 | No |
| ATGC-01 | 8/10/1992 | | 58.8235% | 5 | 0.07 | 0.07 | No |
| ATGC-01 | 9/2/1992 | 14.4265331 | 37.0983% | 5 | 0.39 | 0.39 | No |
| ATGC-01 | 10/6/1992 | 19.47972918 | 32.5879% | 6 | 0.63 | 0.53 | Yes |
| ATGC-01 | 12/1/1992 | 26.45795234 | 26.7290% | 5 | 0.71 | 0.71 | No |
| ATGC-01 | 1/5/1993 | 2695.02674 | 0.2396% | 5 | 72.68 | 72.68 | No |
| ATGC-01 | 2/10/1993 | 22.12664142 | 30.3514% | 5 | 0.60 | 0.60 | No |
| ATGC-01 | 3/18/1993 | 31.27052004 | 24.2577% | 3 | 0.51 | 0.84 | No |
| ATGC-01 | 4/22/1993 | 48.11450698 | 18.1921% | 3 | 0.78 | 1.30 | No |
| ATGC-01 | 6/8/1993 | 11.53899248 | 40.6737% | 3 | 0.19 | 0.31 | No |
| ATGC-01 | 7/13/1993 | 4.560769323 | 52.8143% | 5 | 0.12 | 0.12 | No |
| ATGC-01 | 9/16/1993 | | 39.0669% | 3 | 0.21 | 0.34 | No |
| ATGC-01 | 11/15/1993 | | | 4 | 39.30 | 49.13 | No |
| ATGC-01 | 12/14/1993 | 50.52079083 | 17.6565% | 3 | 0.82 | 1.36 | No |
| ATGC-01 | 1/13/1994 | 60.14592622 | 15.7489% | 3 | 0.97 | 1.62 | No |
| ATGC-01 | 2/22/1994 | | 6.7469% | 3 | 3.58 | 5.97 | No |
| ATGC-01 | 4/20/1994 | 14.18590472 | 37.6668% | 3 | 0.23 | 0.38 | No |
| ATGC-01 | 5/17/1994 | 6.485796402 | 48.6046% | 4 | 0.14 | 0.17 | No |
| ATGC-01 | 6/22/1994 | 2.298862505 | 61.2056% | 5 | 0.06 | 0.06 | No |
| ATGC-01 | 8/11/1994 | 0.001 | 85.5196% | 17 | 0.00 | 0.00 | Yes |
| ATGC-01 | 9/22/1994 | 0.001 | 85.5196% | 17 | 0.00 | 0.00 | Yes |
| ATGC-01 | 11/1/1994 | 1.191971935 | 67.7269% | 17 | 0.11 | 0.03 | Yes |
| ATGC-01 | 12/19/1994 | 12.26087764 | 39.6072% | 11 | 0.73 | 0.33 | Yes |
| ATGC-01 | 1/24/1995 | 14.4265331 | 37.0983% | 9 | 0.70 | 0.39 | Yes |
| ATGC-01 | 2/28/1995 | 243.0234987 | 6.3616% | 5 | 6.55 | 6.55 | No |

| | | | Flow | | | | |
|---------|------------|-------------|------------|--------------|-------------|---------------|------------|
| | | | Exceedence | Total Silver | Actual Load | Allowable | |
| Station | DATE | Flow (CFS) | % | (µg/L) | (lb/day) | Load (lb/day) | Exceedence |
| ATGC-01 | 4/19/1995 | 8.89208025 | 44.3291% | 13 | 0.62 | 0.24 | Yes |
| ATGC-01 | 5/23/1995 | 22.12664142 | 30.3514% | 7 | 0.84 | 0.60 | Yes |
| ATGC-01 | 7/3/1995 | 18.99847241 | 33.3302% | 3 | 0.31 | 0.51 | No |
| ATGC-01 | 8/10/1995 | | 36.9667% | 3 | 0.24 | 0.40 | No |
| ATGC-01 | 9/7/1995 | 0.001 | 85.5196% | 11 | 0.00 | 0.00 | Yes |
| ATGC-01 | 10/16/1995 | 0.001 | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 11/21/1995 | | 74.4926% | 3 | 0.01 | 0.02 | No |
| ATGC-01 | 1/2/1996 | | 23.2240% | 3 | 0.54 | 0.91 | No |
| ATGC-01 | 2/8/1996 | | 32.4281% | 3 | 0.32 | 0.53 | No |
| ATGC-01 | 4/15/1996 | | 25.3712% | 3 | 0.47 | 0.78 | No |
| ATGC-01 | 5/23/1996 | | 23.2240% | 4 | 0.73 | 0.91 | No |
| ATGC-01 | 6/13/1996 | | 14.5978% | 3 | 1.09 | 1.82 | No |
| ATGC-01 | 8/15/1996 | | 55.1588% | 3 | 0.06 | 0.10 | No |
| ATGC-01 | 9/30/1996 | | 72.6696% | 3 | 0.01 | 0.02 | No |
| ATGC-01 | 11/4/1996 | | 74.2905% | 3 | 0.01 | 0.02 | No |
| ATGC-01 | 12/19/1996 | | 26.7290% | 3 | 0.43 | 0.71 | No |
| ATGC-01 | 1/30/1997 | 28.86423619 | 25.3712% | 3 | 0.47 | 0.78 | No |
| ATGC-01 | 3/6/1997 | 64.95849392 | 14.9173% | 3 | 1.05 | 1.75 | No |
| ATGC-01 | 4/17/1997 | 38.48937159 | 21.3118% | 3 | 0.62 | 1.04 | No |
| ATGC-01 | 6/4/1997 | 60.14592622 | 15.7489% | 3 | 0.97 | 1.62 | No |
| ATGC-01 | 7/11/1997 | 5.042026092 | 51.4518% | 3 | 0.08 | 0.14 | No |
| ATGC-01 | 8/18/1997 | 0.855092196 | 71.5749% | 3 | 0.01 | 0.02 | No |
| ATGC-01 | 9/25/1997 | 1.913857089 | 62.8641% | 3 | 0.03 | 0.05 | No |
| ATGC-01 | 11/10/1997 | 1.312286127 | 67.0269% | 3 | 0.02 | 0.04 | No |
| ATGC-01 | 12/17/1997 | 6.726424786 | 48.2052% | 3 | 0.11 | 0.18 | No |
| ATGC-01 | 1/22/1998 | | 30.2528% | 3 | 0.36 | 0.60 | No |
| ATGC-01 | 2/25/1998 | | 23.2240% | 3 | 0.54 | 0.91 | No |
| ATGC-01 | 4/15/1998 | | 9.8525% | 3 | 1.95 | 3.24 | No |
| ATGC-01 | 5/20/1998 | | 46.1192% | 3 | 0.13 | 0.21 | No |
| ATGC-01 | | 36.08308774 | | 3 | 0.58 | 0.97 | No |
| ATGC-01 | | 6.485796402 | 48.6046% | 3 | 0.10 | 0.17 | No |
| ATGC-01 | 9/16/1998 | | | 3 | 0.01 | 0.01 | No |
| ATGC-01 | 10/22/1998 | | | 3 | 0.03 | 0.05 | No |
| ATGC-01 | 11/23/1998 | | 52.8143% | 3 | 0.07 | 0.12 | No |
| ATGC-01 | 1/28/1999 | | | 3 | 0.74 | 1.23 | No |
| ATGC-01 | 2/17/1999 | | | 3 | 0.54 | 0.91 | No |
| ATGC-01 | 3/29/1999 | | 28.1197% | 3 | 0.39 | 0.65 | No |
| ATGC-01 | 5/7/1999 | | 8.4618% | 3 | 2.53 | 4.22 | No |
| ATGC-01 | 7/6/1999 | | 68.8076% | 3 | 0.02 | 0.03 | No |
| ATGC-01 | 8/17/1999 | | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 9/23/1999 | 0.001 | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 11/4/1999 | | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | | 3.357627398 | | 3 | 0.05 | 0.09 | No |
| ATGC-01 | 1/26/2000 | | 64.1656% | 3 | 0.03 | 0.05 | No |
| ATGC-01 | 3/1/2000 | | 22.1481% | 3 | 0.58 | 0.97 | No |
| ATGC-01 | 4/19/2000 | 7.448309941 | 46.8756% | 3 | 0.12 | 0.20 | No |
| ATGC-01 | 5/24/2000 | 214.1480925 | 6.9301% | 3 | 3.47 | 5.78 | No |

| | | | Flow | | | | |
|---------|------------|-------------|------------|--------------|-------------|---------------|------------|
| | | _, () | Exceedence | Total Silver | Actual Load | Allowable | |
| Station | DATE | Flow (CFS) | % | (μg/L) | (lb/day) | Load (lb/day) | Exceedence |
| ATGC-01 | 6/22/2000 | 84.20876471 | 12.5822% | 3 | 1.36 | 2.27 | No |
| ATGC-01 | 8/16/2000 | 6.485796402 | 48.6046% | 3 | 0.10 | 0.17 | No |
| ATGC-01 | 10/2/2000 | 0.001 | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 11/15/2000 | | 41.3691% | 3 | 0.18 | 0.29 | No |
| ATGC-01 | 1/10/2001 | 20.44224272 | 31.8925% | 3 | 0.33 | 0.55 | No |
| ATGC-01 | 4/19/2001 | 8.89208025 | 44.3291% | 3 | 0.14 | 0.24 | No |
| ATGC-01 | 7/26/2001 | 0.710715165 | 72.9468% | 3 | 0.01 | 0.02 | No |
| ATGC-01 | 9/4/2001 | 1.360411804 | 66.8765% | 3 | 0.02 | 0.04 | No |
| ATGC-01 | 11/1/2001 | 21.64538465 | 30.6944% | 3 | 0.35 | 0.58 | No |
| ATGC-01 | 1/17/2002 | 31.27052004 | 24.2577% | 3 | 0.51 | 0.84 | No |
| ATGC-01 | 2/21/2002 | 218.9606602 | 6.7938% | 3 | 3.54 | 5.91 | No |
| ATGC-01 | 3/20/2002 | 1713.26293 | 0.6061% | 3 | 27.72 | 46.20 | No |
| ATGC-01 | 4/24/2002 | 103.4590355 | 11.0787% | 3 | 1.67 | 2.79 | No |
| ATGC-01 | 6/4/2002 | 45.70822313 | 19.0519% | 7 | 1.73 | 1.23 | Yes |
| ATGC-01 | 7/15/2002 | 1.769480058 | 63.8884% | 6 | 0.06 | 0.05 | Yes |
| ATGC-01 | 8/19/2002 | 0.734778003 | 72.6696% | 3 | 0.01 | 0.02 | No |
| ATGC-01 | 1/30/2003 | 1.43260032 | 65.8382% | 3 | 0.02 | 0.04 | No |
| ATGC-01 | 3/5/2003 | 74.58362932 | 13.4890% | 3 | 1.21 | 2.01 | No |
| ATGC-01 | 3/26/2003 | | 8.2315% | 3 | 2.65 | 4.41 | No |
| ATGC-01 | 5/6/2003 | | 4.2802% | 3 | 6.50 | 10.84 | No |
| ATGC-01 | 6/18/2003 | 96.24018395 | 11.5251% | 3 | 1.56 | 2.60 | No |
| ATGC-01 | 8/7/2003 | 3.357627398 | 56.0985% | 6 | 0.11 | 0.09 | Yes |
| ATGC-01 | 9/4/2003 | | 53.9231% | 3 | 0.07 | 0.11 | No |
| ATGC-01 | 10/15/2003 | | 75.8034% | 3 | 0.01 | 0.01 | No |
| ATGC-01 | 11/18/2003 | 40.89565544 | 20.5037% | 3 | 0.66 | 1.10 | No |
| ATGC-01 | 1/14/2004 | 28.86423619 | 25.3712% | 3 | 0.47 | 0.78 | No |
| ATGC-01 | 2/19/2004 | 36.08308774 | 22.1481% | 3 | 0.58 | 0.97 | No |
| ATGC-01 | 4/14/2004 | 79.39619701 | 13.0192% | 3 | 1.28 | 2.14 | No |
| ATGC-01 | 5/12/2004 | 9.613965405 | 42.8632% | 3 | 0.16 | 0.26 | No |
| ATGC-01 | | 4.560769323 | | 2.9 | 0.07 | 0.12 | No |
| ATGC-01 | | 3.116999014 | | 3.6 | 0.06 | 0.08 | No |
| ATGC-01 | 9/8/2004 | | 84.6457% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 10/27/2004 | | 12.3661% | 3 | 1.40 | 2.34 | No |
| ATGC-01 | 12/20/2004 | 12.50150602 | 39.2689% | 3 | 0.20 | 0.34 | No |
| ATGC-01 | 1/27/2005 | | 34.8666% | 3 | 0.27 | 0.45 | No |
| ATGC-01 | 2/24/2005 | | | 3 | 0.43 | 0.71 | No |
| ATGC-01 | 4/13/2005 | | 8.5416% | 3 | 2.49 | 4.15 | No |
| ATGC-01 | 5/23/2005 | 5.042026092 | 51.4518% | 3 | 0.08 | 0.14 | No |
| ATGC-01 | 6/29/2005 | | 79.9991% | 3 | 0.00 | 0.01 | No |
| ATGC-01 | 7/20/2005 | | 62.5869% | 3 | 0.03 | 0.05 | No |
| ATGC-01 | 9/15/2005 | 0.001 | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 10/31/2005 | | 85.5196% | 3 | 0.00 | 0.00 | No |
| ATGC-01 | 12/6/2005 | | 51.4518% | 3 | 0.08 | 0.14 | No |
| ATGC-02 | 7/7/1993 | | 14.5978% | 6 | 1.12 | 0.93 | Yes |
| ATGC-02 | 9/13/1993 | | 64.3441% | 13 | 0.06 | 0.02 | Yes |
| ATGC-02 | 12/15/1993 | | 16.6416% | 3 | 0.46 | 0.77 | No |
| ATGC-02 | 9/22/2008 | 0.155044508 | 79.5245% | 3.34 | 0.00 | 0.00 | No |

| | | | Flow | | | | |
|---------|------------|-------------|------------|---------------------|-------------|---------------|------------|
| | | | Exceedence | Total Silver | Actual Load | Allowable | |
| Station | DATE | Flow (CFS) | % | (µg/L) | (lb/day) | Load (lb/day) | Exceedence |
| ATGH-10 | 12/15/1993 | 12.15229677 | 16.6416% | 3 | 0.20 | 0.33 | No |
| ATGH-10 | 7/8/1993 | 4.720679738 | 31.2582% | 4 | 0.10 | 0.13 | No |
| ATGH-10 | 9/13/1993 | 0.481517908 | 64.3441% | 14 | 0.04 | 0.01 | Yes |
| ATGH-10 | 8/8/2008 | 0.450116709 | 65.4247% | 0.19 | 0.00 | 0.01 | No |
| ATGH-10 | 7/16/2008 | 0.408248444 | 66.9470% | 0.19 | 0.00 | 0.01 | No |
| ATGH-10 | 9/22/2008 | 0.18320652 | 79.5245% | 2.87 | 0.00 | 0.00 | No |
| ATGM-01 | 12/13/1993 | 2.41126595 | 19.0519% | 10 | 0.13 | 0.07 | Yes |
| ATGM-01 | 9/28/1993 | 1.256114246 | 29.3366% | 3 | 0.02 | 0.03 | No |
| ATGM-01 | 6/17/1993 | 0.51986371 | 42.5860% | 9 | 0.03 | 0.01 | Yes |
| ATGM-01 | 8/12/2008 | 0.040031464 | 72.3877% | 0.19 | 0.00 | 0.00 | No |
| ATGM-01 | 7/17/2008 | 0.027337489 | 75.8034% | 0.19 | 0.00 | 0.00 | No |
| ATGM-01 | 9/25/2008 | 0.014643514 | 79.7266% | 0.19 | 0.00 | 0.00 | No |

Appendix G Sulfate Load Duration Curve Calculations

| | Г | | Flow | Total Sulfate | Actual Load | Allowable Load | |
|---------|------------|------------|--------------|---------------|--------------|----------------|------------|
| Station | DATE | Flow (CFS) | Exceedence % | (mg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 1/25/1990 | 2.876 | 57.7% | 1380 | 21,410.01 | 31,029.00 | No |
| ATGC-01 | 3/7/1990 | 5.283 | 50.9% | 1440 | 41,030.57 | 56,986.91 | No |
| ATGC-01 | 4/11/1990 | 736.312 | 2.3% | 424 | 1,683,916.07 | 8,470,812.72 | No |
| ATGC-01 | 5/14/1990 | 401.838 | 4.3% | 537 | 1,163,907.41 | 4,334,850.68 | No |
| ATGC-01 | 6/14/1990 | 14.667 | 37.0% | 1725 | 136,467.13 | 158,222.76 | No |
| ATGC-01 | 7/24/1990 | 0.037 | 84.6% | 1939 | 386.50 | 398.66 | No |
| ATGC-01 | 9/11/1990 | 9.133 | 44.0% | 276 | 13,595.70 | 98,519.57 | No |
| ATGC-01 | 10/30/1990 | 0.205 | 82.4% | 2427 | 2,688.77 | 2,215.72 | Yes |
| ATGC-01 | 12/20/1990 | 74.584 | 13.5% | 1035 | 416,367.43 | 804,574.75 | No |
| ATGC-01 | 1/30/1991 | 113.084 | 10.5% | 610 | 372,069.91 | 1,600,510.55 | No |
| ATGC-01 | 3/7/1991 | 28.864 | 25.4% | 1330 | 207,064.00 | 311,374.44 | No |
| ATGC-01 | 4/9/1991 | 28.864 | 25.4% | 1020 | 158,800.96 | 311,374.44 | No |
| ATGC-01 | 5/13/1991 | 20.683 | 31.7% | 930 | 103,749.66 | 223,117.54 | No |
| ATGC-01 | 6/11/1991 | 4.561 | 52.8% | 2300 | 56,579.46 | 49,199.53 | Yes |
| ATGC-01 | 7/18/1991 | 0.037 | 84.6% | 2540 | 506.30 | 398.66 | Yes |
| ATGC-01 | 9/30/1991 | 0.000 | 85.5% | 2500 | - | - | Yes |
| ATGC-01 | 11/7/1991 | 0.000 | 85.5% | 2300 | - | - | Yes |
| ATGC-01 | 12/9/1991 | 19.480 | 32.6% | 950 | 99,815.83 | 210,138.58 | No |
| ATGC-01 | 1/21/1992 | 20.442 | 31.9% | 1280 | 141,133.92 | 220,521.75 | No |
| ATGC-01 | 2/25/1992 | 26.458 | 26.7% | 740 | 105,604.11 | 285,416.53 | No |
| ATGC-01 | 3/26/1992 | 57.740 | 16.2% | 608 | 189,352.29 | 622,869.37 | No |
| ATGC-01 | 4/28/1992 | 9.373 | 43.7% | 122 | 6,168.04 | 101,115.36 | No |
| ATGC-01 | 6/25/1992 | 17.795 | 34.2% | 1365 | 131,018.19 | 191,968.05 | No |
| ATGC-01 | 8/10/1992 | 2.636 | 58.8% | 2114 | 30,053.90 | 28,433.21 | Yes |
| ATGC-01 | 9/2/1992 | 14.427 | 37.1% | 655 | 50,967.83 | 155,626.97 | No |
| ATGC-01 | 12/1/1992 | 26.458 | 26.7% | 1032 | 147,274.93 | 285,416.53 | No |
| ATGC-01 | 1/5/1993 | 2695.027 | 0.2% | 175 | 2,543,864.76 | 13,199,024.01 | No |
| ATGC-01 | 2/10/1993 | 22.127 | 30.4% | 1530 | 182,599.60 | 238,692.29 | No |
| ATGC-01 | 3/18/1993 | 31.271 | 24.3% | 1400 | 236,132.64 | 337,332.35 | No |
| ATGC-01 | 4/22/1993 | 48.115 | 18.2% | 1240 | 321,803.39 | 519,037.73 | No |
| ATGC-01 | 6/8/1993 | 11.539 | 40.7% | 1790 | 111,407.34 | 124,477.48 | No |
| ATGC-01 | 7/13/1993 | 4.561 | 52.8% | 2200 | 54,119.49 | 49,199.53 | Yes |
| ATGC-01 | 9/16/1993 | 12.742 | 39.1% | 1440 | 98,968.63 | 137,456.43 | No |
| ATGC-01 | 11/15/1993 | 1821.546 | 0.5% | 167 | 1,640,776.53 | 8,821,875.73 | No |
| ATGC-01 | 12/14/1993 | 50.521 | 17.7% | 1762 | 480,141.16 | 544,995.64 | No |
| ATGC-01 | 1/13/1994 | 60.146 | 15.7% | 770 | 249,798.50 | 648,827.28 | No |
| ATGC-01 | 2/22/1994 | 221.367 | 6.7% | 700 | 835,802.57 | 2,388,007.34 | No |
| ATGC-01 | 4/20/1994 | 14.186 | 37.7% | 1210 | 92,583.86 | 153,031.18 | No |
| ATGC-01 | 5/17/1994 | 6.486 | 48.6% | 1710 | 59,820.81 | 69,965.86 | No |
| ATGC-01 | 6/22/1994 | 2.299 | 61.2% | 2300 | 28,518.96 | 24,799.10 | Yes |
| ATGC-01 | 8/11/1994 | 0.000 | 85.5% | 3000 | - | - | Yes |
| ATGC-01 | 9/22/1994 | 0.000 | 85.5% | 2700 | - | - | Yes |
| ATGC-01 | 11/1/1994 | 1.192 | 67.7% | 2600 | 16,716.00 | 12,858.46 | Yes |
| ATGC-01 | 12/19/1994 | 12.261 | 39.6% | 1330 | 87,956.13 | 132,264.85 | No |
| ATGC-01 | 1/24/1995 | 14.427 | 37.1% | 97 | 7,547.91 | 155,626.97 | No |
| ATGC-01 | 2/28/1995 | 243.023 | 6.4% | 450 | 589,866.42 | 2,621,628.54 | No |
| ATGC-01 | 4/19/1995 | 8.892 | 44.3% | 1760 | 84,412.92 | 95,923.77 | No |
| ATGC-01 | 5/23/1995 | 22.127 | 30.4% | 1040 | 124,119.99 | 238,692.29 | No |
| ATGC-01 | 7/3/1995 | 18.998 | 33.3% | 1080 | 110,671.38 | 204,947.00 | No |
| ATGC-01 | 8/10/1995 | 14.667 | 37.0% | 480 | 37,973.46 | 137,250.33 | No |
| ATGC-01 | 9/7/1995 | 0.000 | 85.5% | 195 | - | - | Yes |
| ATGC-01 | 1/2/1996 | 33.677 | 23.2% | 3040 | 552,201.20 | 363,290.26 | Yes |
| ATGC-01 | 2/8/1996 | 19.720 | 32.4% | 1960 | 208,479.69 | 212,734.38 | No |
| ATGC-01 | 4/15/1996 | 28.864 | 25.4% | 171 | 26,622.51 | 262,550.93 | No |

| | <u>г</u> | | Flow | Total Sulfate | Actual Load | Allowable Load | |
|--------------------|------------------------|------------|--------------|---------------|--------------|----------------|------------|
| Station | DATE | Flow (CFS) | Exceedence % | (mg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 5/23/1996 | 33.677 | 23.2% | 1510 | 274,284.15 | 363,290.26 | No |
| ATGC-01 | 6/13/1996 | 67.365 | 14.6% | 1250 | 454,188.14 | 726,701.02 | No |
| ATGC-01 | 11/4/1996 | 0.663 | 74.3% | 1600 | 5,718.17 | 7,147.72 | No |
| ATGC-01 | 12/19/1996 | 26.458 | 26.7% | 1130 | 161,260.34 | 285,416.53 | No |
| ATGC-01 | 1/30/1997 | 28.864 | 25.4% | 823 | 128,130.58 | 311,374.44 | No |
| ATGC-01 | 3/6/1997 | 64.958 | 14.9% | 662 | 231,945.97 | 700,743.11 | No |
| ATGC-01 | 4/17/1997 | 38.489 | 21.3% | 872 | 181,029.85 | 415,206.08 | No |
| ATGC-01 | 6/4/1997 | 60.146 | 15.7% | 586 | 190,106.39 | 753,483.13 | No |
| ATGC-01 | 7/11/1997 | 5.042 | 51.5% | 2060 | 56,022.85 | 54,391.12 | Yes |
| ATGC-01 | 8/18/1997 | 0.855 | 71.6% | 1600 | 7,379.48 | 9,224.35 | No |
| ATGC-01 | 9/25/1997 | 1.914 | 62.9% | 1490 | 15,381.14 | 20,645.83 | No |
| ATGC-01 | 11/10/1997 | 1.312 | 67.0% | 1890 | 13,377.75 | 14,156.35 | No |
| ATGC-01 | 12/17/1997 | 6.726 | 48.2% | 1670 | 60,588.98 | 72,561.65 | No |
| ATGC-01 | 1/22/1998 | 22.367 | 30.3% | 545 | 65,751.00 | 241,288.08 | No |
| ATGC-01 | 2/25/1998 | 33.677 | 23.2% | 982 | 178,375.52 | 363,290.26 | No |
| ATGC-01 | 5/20/1998 | 7.930 | 46.1% | 1200 | 51,324.37 | 85,540.61 | No |
| ATGC-01 | 6/18/1998 | 36.083 | 22.1% | 1050 | 204,355.29 | 389,248.17 | No |
| ATGC-01 ATGC-01 | 7/29/1998 | 6.486 | 48.6% | 1050 | 47,226.96 | 69,965.86 | No |
| ATGC-01 | 9/16/1998 | 0.400 | 76.4% | 1250 | 3,169.43 | 5,071.09 | No |
| ATGC-01 ATGC-01 | 10/22/1998 | 1.673 | 64.3% | 1770 | 15,974.29 | 18,050.04 | No |
| ATGC-01 | 11/23/1998 | 4.561 | 52.8% | 1938 | 47,674.35 | 49,199.53 | No |
| ATGC-01 ATGC-01 | 1/28/1999 | 4.501 | 19.1% | 1958 | 262,318.46 | 493,079.82 | No |
| ATGC-01 ATGC-01 | | 33.677 | 23.2% | 1004 | 232,505.77 | | No |
| ATGC-01 ATGC-01 | 2/17/1999 3/29/1999 | 24.052 | 23.2% | 626 | 81,210.55 | 363,290.26 | Yes |
| ATGC-01 ATGC-01 | | 1.144 | 68.8% | 1660 | - | 64,877.63 | |
| ATGC-01 ATGC-01 | 7/6/1999 8/17/1999 | 0.000 | 85.5% | 2005 | 10,241.62 | 12,339.30 | No Yes |
| ATGC-01 ATGC-01 | 9/23/1999 | 0.000 | 85.5% | 2003 | - | - | Yes |
| | | | | | - | - | |
| ATGC-01 | 11/4/1999 | 0.000 | 85.5% | 2400 | - | - | Yes |
| ATGC-01 | 12/17/1999 | 3.358 | 56.1% | 1110 | 20,102.42 | 36,220.58 | No |
| ATGC-01 | 1/26/2000 | 1.721 | 64.2% | 2600 | 24,139.96 | 18,569.20 | Yes |
| ATGC-01 | 4/19/2000 | 7.448 | 46.9% | 1300 | 52,226.87 | 80,349.03 | No |
| ATGC-01 | 5/24/2000 | 214.148 | 6.9% | 213 | 246,029.23 | 1,958,993.30 | No |
| ATGC-01 ATGC-01 | 6/22/2000 | 84.209 | 12.6% | 563 | 255,716.40 | 908,406.40 | No |
| | 8/16/2000 | 6.486 | 48.6% | 1690 | 59,121.15 | 69,965.86 | No |
| ATGC-01 | 11/15/2000 | 10.817 | 41.4% | 1320 | 77,015.47 | 116,690.10 | No |
| ATGC-01 | 1/10/2001 | 20.442 | 31.9% | 912 | 100,557.92 | 220,521.75 | No |
| ATGC-01 | 4/19/2001 | 8.892 | 44.3% | 1270 | 60,911.60 | 95,923.77 | No |
| ATGC-01 | 7/26/2001 | 0.711 | 72.9% | 1490 | 5,711.82 | 1,917.10 | Yes |
| ATGC-01 | 9/4/2001 | 1.360 | 66.9% | 1490 | 10,933.26 | 14,675.51 | No |
| ATGC-01 | 11/1/2001 | 21.645 | 30.7% | 254 | 29,654.59 | 233,500.70 | No |
| ATGC-01 | 1/17/2002 | 31.271 | 24.3% | 1290 | 217,579.37 | 337,332.35 | No |
| ATGC-01 | 2/21/2002 | 218.961 | 6.8% | 417 | 492,487.31 | 2,362,049.43 | No |
| ATGC-01 | 3/20/2002 | 1713.263 | 0.6% | 109 | 1,007,264.22 | 4,621,402.18 | No |
| ATGC-01 | 4/24/2002 | 103.459 | 11.1% | 675 | 376,673.52 | 1,116,069.69 | No |
| ATGC-01 | 6/4/2002 | 45.708 | 19.1% | 1050 | 258,866.90 | 493,079.82 | No |
| ATGC-01 | 7/15/2002 | 1.769 | 63.9% | 2130 | 20,329.10 | 19,088.36 | Yes |
| ATGC-01 | 8/19/2002 | 0.735 | 72.7% | 12.4 | 49.14 | 7,926.46 | No |
| ATGC-01 | 5/12/2004 | 9.614 | 42.9% | 876 | 45,425.48 | 103,711.15 | No |
| ATGC-01 | 6/9/2004 | 4.561 | 52.8% | 803 | 19,753.61 | 49,199.53 | No |
| ATGC-01 | 8/11/2004 | 3.117 | 56.9% | 957 | 16,089.46 | 33,624.79 | No |
| ATGC-01 | 9/8/2004 | 0.037 | 84.6% | 1720 | 342.85 | 398.66 | No |
| ATGC-01 | 10/27/2004 | 86.615 | 12.4% | 1510 | 705,445.05 | 934,364.31 | No |
| ATGC-01 | 12/20/2004 | 12.502 | 39.3% | 1120 | 75,521.96 | 134,860.64 | No |
| ATGC-01 | 1/27/2005 | 16.833 | 34.9% | 856 | 77,718.33 | 181,584.88 | No |

| | | | Flow | Total Sulfate | Actual Load | Allowable Load | |
|---------|------------|------------|--------------|---------------|-------------|----------------|------------|
| Station | DATE | Flow (CFS) | Exceedence % | (mg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGC-01 | 2/24/2005 | 26.458 | 26.7% | 1140 | 162,687.42 | 285,416.53 | No |
| ATGC-01 | 4/13/2005 | 153.991 | 8.5% | 829 | 688,561.52 | 1,661,185.82 | No |
| ATGC-01 | 5/23/2005 | 5.042 | 51.5% | 1040 | 28,283.38 | 54,391.12 | No |
| ATGC-01 | 6/29/2005 | 0.254 | 80.0% | 2460 | 3,363.89 | 2,734.87 | Yes |
| ATGC-01 | 7/20/2005 | 1.986 | 62.6% | 1360 | 14,568.71 | 21,424.57 | No |
| ATGC-01 | 9/15/2005 | 0.000 | 85.5% | 2010 | - | - | Yes |
| ATGC-01 | 10/31/2005 | 0.000 | 85.5% | 1990 | - | - | Yes |
| ATGC-01 | 12/6/2005 | 5.042 | 51.5% | 300 | 8,158.67 | 54,391.12 | No |
| ATGC-02 | 12/15/1993 | 28.441 | 16.6% | 1842 | 282,570.65 | 306,808.53 | No |
| ATGC-02 | 9/13/1993 | 0.860 | 64.3% | 1710 | 7,932.35 | 9,277.60 | No |
| ATGC-02 | 8/8/2008 | 0.786 | 65.4% | 200 | 847.71 | 8,477.07 | No |
| ATGC-02 | 7/16/2008 | 0.687 | 66.9% | 150 | 555.73 | 7,409.69 | No |
| ATGC-02 | 9/22/2008 | 0.155 | 79.5% | 1950 | 1,630.74 | 1,672.55 | No |
| ATGC-11 | 12/15/1993 | 7.327 | 16.6% | 2542 | 100,463.76 | 79,043.08 | Yes |
| ATGC-11 | 6/7/1993 | 1.783 | 38.3% | 2160 | 20,771.86 | 19,233.20 | Yes |
| ATGC-11 | 9/13/1993 | 0.222 | 64.3% | 27 | 32.27 | 597.55 | No |
| ATGC-11 | 8/8/2008 | 0.202 | 65.4% | 200 | 218.39 | 2,183.95 | No |
| ATGC-11 | 7/16/2008 | 0.177 | 66.9% | 150 | 143.17 | 1,908.96 | No |
| ATGC-11 | 9/22/2008 | 0.040 | 79.5% | 2110 | 454.60 | 430.90 | Yes |
| ATGH-09 | 12/15/1993 | 15.904 | 16.6% | 953 | 81,749.82 | 171,563.11 | No |
| ATGH-09 | 6/17/1993 | 2.929 | 42.6% | 1310 | 20,696.17 | 31,597.21 | No |
| ATGH-09 | 9/13/1993 | 0.595 | 64.3% | 3220 | 10,333.24 | 6,418.16 | Yes |
| ATGH-09 | 8/8/2008 | 0.554 | 65.4% | 200 | 597.38 | 5,973.83 | No |
| ATGH-09 | 7/16/2008 | 0.499 | 66.9% | 150 | 403.60 | 5,381.38 | No |
| ATGH-09 | 9/22/2008 | 0.204 | 79.5% | 1470 | 1,614.77 | 2,196.97 | No |
| ATGH-10 | 12/15/1993 | 12.152 | 16.6% | 641 | 42,015.48 | 131,093.53 | No |
| ATGH-10 | 7/8/1993 | 4.721 | 31.3% | 770 | 19,605.96 | 50,924.58 | No |
| ATGH-10 | 9/13/1993 | 0.482 | 64.3% | 260 | 675.27 | 5,194.40 | No |
| ATGH-10 | 8/8/2008 | 0.450 | 65.4% | 200 | 485.57 | 4,855.66 | No |
| ATGH-10 | 7/16/2008 | 0.408 | 66.9% | 150 | 330.30 | 4,404.00 | No |
| ATGH-10 | 9/22/2008 | 0.183 | 79.5% | 2410 | 2,381.50 | 1,976.35 | Yes |
| ATGM-01 | 12/13/1993 | 2.411 | 19.1% | 1034 | 13,448.03 | 26,011.66 | No |
| ATGM-01 | 9/28/1993 | 1.256 | 29.3% | 1045 | 7,080.08 | 14,529.34 | No |
| ATGM-01 | 6/17/1993 | 0.520 | 42.6% | 1580 | 4,430.36 | 5,608.06 | No |
| ATGM-01 | 8/8/2008 | 0.081 | 65.4% | 74.9 | 32.58 | 217.51 | No |
| ATGM-01 | 7/16/2008 | 0.070 | 66.9% | 150 | 57.04 | 534.55 | No |
| ATGM-01 | 9/22/2008 | 0.016 | 79.5% | 148 | 12.70 | 131.25 | No |

Appendix H Zinc, Copper, and Nickel Load Duration Curve Calculations

| | | | Flow | | | Actual | Allowable | |
|---------|------------|--------|------------|-------------------|--------|----------|-----------|------------|
| | | Flow | Exceedence | | Result | Load | Load | |
| Station | DATE | (CFS) | % | Parameter | (µg/L) | (lb/day) | (lb/day) | Exceedence |
| ATGM-01 | 12/13/1993 | 2.4113 | 19.05% | Copper, Dissolved | 46 | 0.60 | 1.129 | No |
| ATGM-01 | 9/28/1993 | 1.2561 | 29.34% | Copper, Dissolved | 160 | 1.08 | 0.514 | Yes |
| ATGM-01 | 6/17/1993 | 0.5199 | 42.59% | Copper, Dissolved | 190 | 0.53 | 0.269 | Yes |
| ATGM-01 | 8/8/2008 | 0.0807 | 65.42% | Copper, Dissolved | 3.23 | 0.0014 | 0.007 | No |
| ATGM-01 | 7/16/2008 | 0.0705 | 66.95% | Copper, Dissolved | 2.6 | 0.0010 | 0.011 | No |
| ATGM-01 | 9/22/2008 | 0.0159 | 79.52% | Copper, Dissolved | 3.74 | 0.0003 | 0.003 | No |
| ATGM-01 | 12/13/1993 | 2.4113 | 19.05% | Nickel, Dissolved | 410 | 5.33 | 1.071 | Yes |
| ATGM-01 | 9/28/1993 | 1.2561 | 29.34% | Nickel, Dissolved | 390 | 2.64 | 0.558 | Yes |
| ATGM-01 | 6/17/1993 | 0.5199 | 42.59% | Nickel, Dissolved | 440 | 1.23 | 0.231 | Yes |
| ATGM-01 | 8/8/2008 | 0.0807 | 65.42% | Nickel, Dissolved | 5.49 | 0.0024 | 0.036 | No |
| ATGM-01 | 7/16/2008 | 0.0705 | 66.95% | Nickel, Dissolved | 3.8 | 0.0014 | 0.031 | No |
| ATGM-01 | 9/22/2008 | 0.0159 | 79.52% | Nickel, Dissolved | 3.44 | 0.0003 | 0.007 | No |
| ATGM-01 | 12/13/1993 | 2.4113 | 19.05% | Zinc, Dissolved | 7200 | 93.64 | 1.554 | Yes |
| ATGM-01 | 9/28/1993 | 1.2561 | 29.34% | Zinc, Dissolved | 7300 | 49.46 | 0.810 | Yes |
| ATGM-01 | 6/17/1993 | 0.5199 | 42.59% | Zinc, Dissolved | 7400 | 20.75 | 0.335 | Yes |
| ATGM-01 | 8/8/2008 | 0.0807 | 65.42% | Zinc, Dissolved | 10.4 | 0.0045 | 0.052 | No |
| ATGM-01 | 7/16/2008 | 0.0705 | 66.95% | Zinc, Dissolved | 10.4 | 0.0040 | 0.045 | No |
| ATGM-01 | 9/22/2008 | 0.0159 | 79.52% | Zinc, Dissolved | 2.58 | 0.0002 | 0.010 | No |

Appendix I Fecal Coliform Load Duration Curve Calculations

| | | | - | | | | |
|--------------------|------------|-----------------------|----------------------|-------------------------------|-----------------------|----------------------------|-------------------|
| Station | DATE | Elow (CES) | Flow Exceedence % | Fecal Coliform (cfu/100ml) | Actual Load (Mil | Allowable Load | Excordonco |
| Station ATGC-01 | 5/6/2003 | Flow (CFS) 401.838 | 2.00% | (ciu/100mi) 580 | Col/day) 5702140.1 | (Mil Col/day) 1966255.2 | Exceedence Yes |
| ATGC-01 ATGC-01 | 5/14/1990 | 401.838 | 2.00% | 1300 | 12780658.8 | 1966255.2 | Yes |
| ATGC-01 ATGC-01 | 5/24/2000 | 214.148 | 3.33% | 4450 | 23314862.5 | 1047859.0 | Yes |
| ATGC-01 | 6/18/2003 | 96.240 | 5.56% | 74 | 174239.6 | 470917.8 | No |
| ATGC-01 | 10/27/2004 | 86.615 | 5.92% | 460 | 974787.2 | 423820.5 | Yes |
| ATGC-01 | 6/22/2000 | 84.209 | 6.03% | 2200 | 4532508.4 | 412046.2 | Yes |
| ATGC-01 | 6/13/1996 | 67.365 | 6.95% | 180 | 296663.4 | 329626.0 | No |
| ATGC-01 | 6/4/1997 | 60.146 | 7.44% | 145 | 213369.8 | 294303.1 | No |
| ATGC-01 | 6/4/2002 | 45.708 | 8.69% | 58 | 64860.6 | 223657.3 | No |
| ATGC-01 | 6/18/1998 | 36.083 | 9.86% | 460 | 406088.0 | 176560.0 | Yes |
| ATGC-01 | 5/23/1996 | 33.677 | 10.31% | 62 | 51083.6 | 164785.7 | No |
| ATGC-01 | 5/23/2001 | 28.864 | 11.16% | 166 | 117226.8 | 141237.1 | No |
| ATGC-01 | 5/23/1995 | 22.127 | 13.16% | 100 | 54134.5 | 108269.0 | No |
| ATGC-01 | 5/13/1991 | 20.683 | 13.78% | 2200 | 1113248.7 | 101204.4 | Yes |
| ATGC-01 | 10/6/1992 | 19.480 | 14.22% | 150 | 71488.0 | 95317.3 | No |
| ATGC-01 | 7/3/1995 | 18.998 | 14.58% | 152 | 70651.4 | 92962.4 | No |
| ATGC-01 | 6/25/1992 | 17.795 | 15.24% | 2900 | 1262591.2 | 87075.3 | Yes |
| ATGC-01 | 6/14/1990 | 14.667 | 17.02% | 900 | 322958.9 | 71768.6 | Yes |
| ATGC-01 | 8/10/1995 | 14.667 | 17.02% | 13600 | 4880268.2 | 71768.6 | Yes |
| ATGC-01 | 9/2/1992 | 14.427 | 17.14% | 28000 | 9882770.6 | 70591.2 | Yes |
| ATGC-01 | 6/8/1993 | 11.539 | 19.37% | 215 | 60696.7 | 56462.0 | Yes |
| ATGC-01 | 5/12/2004 | 9.614 | 21.25% | 60 | 14112.8 | 47042.6 | No |
| ATGC-01 | 9/11/1990 | 9.133 | 21.99% | 260 | 58094.1 | 44687.7 | Yes |
| ATGC-01 | 5/20/1998 | 7.930 | 23.69% | 74 | 14356.2 | 38800.6 | No |
| ATGC-01 | 5/17/1994 | 6.486 | 26.13% | 280 | 44430.4 | 31736.0 | Yes |
| ATGC-01 | 7/29/1998 | 6.486 | 26.13% | 780 | 123770.4 | 31736.0 | Yes |
| ATGC-01 | 8/16/2000 | 6.486 | 26.13% | 37 | 5871.2 | 31736.0 | No |
| ATGC-01 | 5/23/2005 | 5.042 | 29.01% | 40 | 4934.3 | 24671.4 | No |
| ATGC-01 | 7/11/1997 | 5.042 | 29.01% | 840 | 103619.9 | 24671.4 | Yes |
| ATGC-01 | 6/11/1991 | 4.561 | 30.43% | 10 | 1115.8 | 22316.5 | No |
| ATGC-01 | 6/9/2004 | 4.561 | 30.43% | 64 | 7141.3 | 22316.5 | No |
| ATGC-01 | 7/13/1993 | 4.561 | 30.43% | 225 | 25106.1 | 22316.5 | Yes |
| ATGC-01 | 9/4/2003 | 4.080 | 31.77% | 290 | 28944.4 | 19961.7 | Yes |
| ATGC-01 | 8/15/1996 | | 33.42% | 1630 | 143495.6 | 17606.8 | Yes |
| ATGC-01 | 9/13/2000 | 3.598 | 33.42% | 3 | 264.1 | 17606.8 | No |
| ATGC-01 | 8/7/2003 | 3.358 | 34.55% | 48 | 3943.1 | 16429.4 | No |
| ATGC-01 | 8/11/2004 | 3.117 | 35.64% | 108 | 8236.1 | 15252.0 | No |
| ATGC-01 | 8/10/1992 | 2.636 | 38.20% | 700 | 45139.8 | 12897.1 | Yes |
| ATGC-01 | 6/22/1994 | 2.299 | 41.26% | 152 | 8549.0 | 11248.7 | No |
| ATGC-01 | 7/20/2005 | 1.986 | 43.31% | 145 | 7045.6 | 9718.0 | No |
| ATGC-01 | 9/25/1997 | 1.914 | 43.77% | 51 | 2388.0 | 9364.8 | No |
| ATGC-01 | 10/22/1998 | 1.673 | 45.78% | 14 | 573.1 | 8187.4 | No |
| ATGC-01 | 9/4/2001 | 1.360 | 49.35% | 72 | 2396.4 | 6656.7 | No |
| ATGC-01 | 8/18/1997 | 0.855 | 55.88% | 710 | 14853.6 | 4184.1 | Yes |
| ATGC-01 | 8/19/2002 | 0.735 | 57.71% | 307 | 5518.9 | 3595.4 | Yes |
| ATGC-01 | 9/30/1996 | | 57.71% | 14 | 251.7 | 3595.4 | No |
| ATGC-01 | 7/26/2001 | 0.711 | 58.21% | 410 | 7129.2 | 3477.6 | Yes |
| ATGC-01 | 6/14/2001 | 0.590 | 61.09% | 60 | 866.7 | 2888.9 | No |

| | | | Flow | Fecal Coliform | Actual Load (Mil | Allowable Load | |
|---------|------------|------------|--------------|----------------|------------------|----------------|------------|
| Station | DATE | Flow (CFS) | Exceedence % | (cfu/100ml) | Col/day) | (Mil Col/day) | Exceedence |
| ATGC-01 | 10/15/2003 | 0.518 | 62.50% | 68 | 862.1 | 2535.7 | No |
| ATGC-01 | 10/2/2002 | 0.494 | 63.02% | 72 | 870.5 | 2418.0 | No |
| ATGC-01 | 9/16/1998 | 0.470 | 63.48% | 661 | 7602.2 | 2300.2 | Yes |
| ATGC-01 | 6/29/2005 | 0.254 | 69.23% | 86 | 533.4 | 1240.5 | No |
| ATGC-01 | 10/30/1990 | 0.205 | 72.77% | 10 | 50.3 | 1005.0 | No |
| ATGC-01 | 7/24/1990 | 0.037 | 76.32% | 10 | 9.0 | 180.8 | No |
| ATGC-01 | 7/18/1991 | 0.037 | 76.32% | 10 | 9.0 | 180.8 | No |
| ATGC-01 | 9/8/2004 | 0.037 | 76.32% | 90 | 81.4 | 180.8 | No |
| ATGC-01 | 8/11/1994 | 0.000 | 77.78% | 171 | 0.0 | 0.0 | Yes |
| ATGC-01 | 9/30/1991 | 0.000 | 77.78% | 140 | 0.0 | 0.0 | Yes |
| ATGC-01 | 9/7/1995 | 0.000 | 77.78% | 168 | 0.0 | 0.0 | Yes |
| ATGC-01 | 9/22/1994 | 0.000 | 77.78% | 270 | 0.0 | 0.0 | No |
| ATGC-01 | 9/15/2005 | 0.000 | 77.78% | 270 | 0.0 | 0.0 | No |
| ATGC-01 | 10/31/2005 | 0.000 | 77.78% | 28 | 0.0 | 0.0 | Yes |
| ATGC-01 | 10/16/1995 | 0.000 | 77.78% | 102 | 0.0 | 0.0 | Yes |
| ATGC-01 | 10/2/2000 | 0.000 | 77.78% | 165 | 0.0 | 0.0 | Yes |

Appendix J BATHTUB Model Files

| Land Cover Category | Area (Acres) | Percentage |
|--------------------------------|--------------|------------|
| Rural Grassland | 1070.459083 | 26.59% |
| Soybeans | 820.240279 | 20.37% |
| Upland | 607.004512 | 15.08% |
| Corn | 438.38415 | 10.89% |
| Floodplain Forest | 351.769438 | 8.74% |
| Surface Water | 299.168292 | 7.43% |
| Other Small Grains & Hay | 101.532486 | 2.52% |
| Winter Wheat/Soybeans | 81.720487 | 2.03% |
| Winter Wheat | 54.225962 | 1.35% |
| Partial Canopy/Savannah Upland | 52.05103 | 1.29% |
| Low/Medium Density | 46.678315 | 1.16% |
| Other Agriculture | 32.869151 | 0.82% |
| High Density | 18.70054 | 0.46% |
| Coniferous | 18.302397 | 0.45% |
| Shallow Water | 15.531172 | 0.39% |
| Shallow Marsh/Wet Meadow | 13.374132 | 0.33% |
| Deep Marsh | 2.244206 | 0.06% |
| Swamp | 1.511087 | 0.04% |
| Total | 4025.8 | 100.00% |

Note: Calculated from GIS

Title: Harrisburg Reservoir

Notes:

| | Historic Data | | Units | Model Input | Model units |
|---------------------|---------------|------|--------|-------------|-------------|
| Averaging Period: | NA | | | 1 | yr |
| Precipitation | | 38.4 | inches | 0.97536 | meters |
| Evaporation | | 36.1 | inches | 0.91694 | meters |
| Increase in Storage | NA | | NA | | meters |
| Atmospheric Loads | NA | | NS | | |
| | | | | | |

Conversions: 0.0254

inches to meters

Note: Data extracted from Stage 1 report

| Total Lake Segments | 3 | CONVERSIONS ft to m 0.3048 |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Segment Name: Outflow Segment: | Segment 1: RAI-3 Segment 2: RAI-2 | |
| MORPHOMETRY Surface Area Mean Depth Length Mixed Layer Depth Hypolimnetic Depth | Historic Data Units 0.286 km 8.4 ft 0.9600 km 6.1 ft 7 ft | Model Input Model units 0.286 km2 2.55 meters 0.9600 km 1.86 m 2.13 m |
| OBSERVED WQ Non-Algal Turbidity Total Phosphorus | 0.0920 mg/L | 1 1/m 92 ug/L or ppb |
| Internal Load | NA NA | mg/m2-day |
| Segment Name: Outflow Segment: | Segment 2: RAI-2 Segment 3: RAI-1 | |
| MORPHOMETRY Surface Area Mean Depth Length Mixed Layer Depth Hypolimnetic Depth | Historic Data Units 0.433 km2 14.5 ft 1.4000 km 8.25 ft 12.7 ft | Model Input Model units 0.433 km2 4.40 meters 1.4000 km 2.51 m 3.87 m |
| OBSERVED WQ Non-Algal Turbidity Total Phosphorus | 0.0860 mg/L | 1 1/m 86 ug/L or ppb |
| Internal Load | NA NA | mg/m2-day |
| Segment Name: Outflow Segment: | Segment 3: RAI-1 Out of Reservoir | |
| MORPHOMETRY Surface Area Mean Depth Length Mixed Layer Depth Hypolimnetic Depth | Historic Data Units 0.232 km2 25.2 ft 0.8300 km 9.42 ft 16.166 ft | Model Input Model units 0.232 km2 7.69 m 0.8300 km 2.87 m 4.93 m |
| OBSERVED WQ Non-Algal Turbidity Total Phosphorus | 0.0700 mg/L | 1 1/m 70.0 ug/L or ppb |
| Internal Load Segment 1: RHH-3 Segment 2: RHH-2 Segment 3: RHH-1 | NA NA | mg/m2-day |
| | | |

| Lake | Section | Area (ac) | SqMiles | sqKm |
|----------------|---------|-----------|----------|----------|
| Harrisburg Res | RAI-3 | 70.6653 | 0.110415 | 0.285974 |
| Harrisburg Res | RAI-2 | 107.082 | 0.167316 | 0.433347 |
| Harrisburg Res | RAI-1 | 57.3644 | 0.089632 | 0.232147 |
| | | 235.1117 | | |

Data may need to be generated from Unit Area Loads sheet if no trib concentration data are available Flow data may need to be calculated if no gage data exists - use surrogate gage tab

| Number of Tributaries Total area of the watershe Total annual estimated flo | | | acres 5.43713024 | mil m³/yr | | |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------|-----------------------------------------------|---------------------------|-------|-----------------------------------------------|
| Tributary Name: Segment: Tributary Type: Total Watershed Area Flow Rate TP Conc | Overland Flow -3 Segment 1: RAI-3 Historic Data 3225.5 4.876868991 0.1635 | cfs | Model Input 13.053 4.35504443 163.46 | km2 million meters3/yr | Notes | from GIS from 'Surrogate Gage Calculation" |
| Tributary Name: Segment: Tributary Type: | Overland Flow -2 Segment 2: RAI-2 Historic Data | Units | Model Input | Model units | Notes | |
| Total Watershed Area Flow Rate TP Conc | | acres cfs | 2.385 | km2 million meters3/yr | Notes | from GIS from 'Surrogate Gage Calculation" |
| Tributary Name: Segment: Tributary Type: | Overland Flow -1 Segment 3: RAI-1 | 1 heite | Madalland | Ma da lucato | Netes | |
| Total Watershed Area Flow Rate TP Conc | Historic Data 212.1 0.32073086 0.1635 | | Model Input 0.858 0.28641269 163.46 | km2 million meters3/yr | Notes | from GIS from 'Surrogate Gage Calculation" |
| Lake | Section | Acres | sqKm | million meters3/yr |] | |

80% 15% 5%

| Lake | Section | Acres | sqKm | million meters3/yr | |
|-----------------|---------|-----------|------------|--------------------|--|
| Harrisburg Shed | RAI-3 | 3225.54 | 13.0532959 | 4.355044434 | |
| Harrisburg Shed | RAI-2 | 589.31097 | 2.38485663 | 0.795673115 | |
| Harrisburg Shed | RAI-1 | 212.13 | 0.85845956 | 0.286412686 | |
| TOTAL | | 4027.0 | 16.3 | 5.437130235 | |

Unit Conversions:

1 acre= 1cfs = 0.004046856 square kilometer 0.893000087 mil m³/yr

| CDM | Client: | Illinois EPA | Job No. | Computed By: |
|-----|---------------|-------------------------------------|----------------|--------------|
| | Project: | TMDL Harrisburg Reservoir Watershed | Dated Checked: | Date: |
| | Calculations: | Total Phosphorus Loads | Checked By: | Page No. |

References: 1. "Illinois EPA Total Maximum Daily Load Middle Fork Saline Watersheds" prepared by CDM dated 2008

USEPA Plot maximum barry barr

Methodology:

Harisburg Reservoir Watershed is predominantly rural grassland. Therefore, the export coefficient method described on Page 3 of Reference 2 is used to calculate median total phosphorus loads. The minimum and maximum phosphorus loads are calculated using the procedure described in "Estimating Loads" section of Reference 3.

1. Calculate Median Total Phosphorus Load

Assumptions:

Export coefficients per land use (lb/ac/yr) are given in Appendix IV of Reference 2. The export coeffients for the Wisconsin area located in Appendix IV are most appropriate for the Harrisburg Reservoir watershed due to similar climate characteristics. The land use distribution for Harrisburg Reservoir watershed is given on page 5-7 of Reference 1. Export coefficients were assumed for the Harrisburg Reservoir Land Use categories that are not listed in the Wisconsin categories. Assumed values are indicated with bold and italics.

| Saganashkee Slough Lake Watersh | ed Information | Total Phosphorus Ex | nort Coefficients | Phospho | rus Loads | | |
|---------------------------------|----------------|---------------------|-------------------|---------|-----------|--------------------------------|--------|
| Land Use | Area | High* | Low* | High | Low | | |
| Land 000 | acres | lb/ac/yr | lb/ac/yr | lb/yr | lb/yr | Source Categories | |
| Barren & Exposed Land | 0 | 0.16 | 0.16 | 0.0 | 0.0 | open lands | 0.0 |
| Coniferous | 18 | 0.13 | 0.08 | 2.4 | 1.5 | woodland (FL) - forest | |
| Corn | 438 | 0.92 | 0.92 | 403.3 | 403.3 | 95% ag | 403.3 |
| Deep Marsh | 2.2 | 0.22 | 0.08 | 0.5 | 0.2 | wetland (FL)) - forest | 0.3 |
| Floodplain Forest | 352 | 0.13 | 0.08 | 45.7 | 28.1 | woodland (FL) - forest | 36.9 |
| High Density | 19 | 2.05 | 1.00 | 38.3 | 18.7 | Commercial (FL) - High Density | 28.5 |
| Low/Medium Density | 47 | 0.52 | 0.04 | 24.3 | 1.9 | Medium - Low density | 13.1 |
| Other Agriculture | 33 | 0.92 | 0.92 | 30.2 | 30.2 | 95% ag | 30.2 |
| Other Small Grains & Hay | 102 | 0.92 | 0.92 | 93.4 | 93.4 | 95% ag | 93.4 |
| Partial Canopy/Savannah Upland | 52 | 0.13 | 0.08 | 6.8 | 4.2 | woodland (FL) - forest | 5.5 |
| Rural Grassland | 1,070 | 0.5 | 0.16 | 535.2 | 171.3 | 50% ag - open lands (FL) | 353.3 |
| Seasonally/Temporarily Flood | 0 | 0.22 | 0.08 | 0.0 | 0.0 | wetland (FL)) - forest | 0.0 |
| Shallow Marsh/Wet Meadow | 13 | 0.22 | 0.08 | 2.9 | 1.1 | wetland (FL)) - forest | 2.0 |
| Shallow Water | 16 | 0.22 | 0.08 | 3.4 | 1.2 | wetland (FL)) - forest | 2.3 |
| Soybeans | 820 | 0.92 | 0.92 | 754.6 | 754.6 | 95% ag | 754.6 |
| Surface Water | 299 | 0.22 | 0.08 | 65.8 | 23.9 | wetland (FL)) - forest | 44.9 |
| Swamp | 1.5 | 0.22 | 0.08 | 0.3 | 0.1 | wetland (FL)) - forest | |
| Upland | 607 | 0.13 | 0.08 | 78.9 | 48.6 | woodland (FL) - forest | 63.7 |
| Urban Open Space | 0 | 0.16 | 0.03 | 0.0 | 0.0 | open lands (FL) - parks | 0.0 |
| Winter Wheat | 54 | 0.92 | 0.92 | 49.9 | 49.9 | 95% ag | 49.9 |
| Winter Wheat/Soybeans | 82 | 0.92 | 0.92 | 75.2 | 75.2 | 95% ag | 75.2 |
| TOTAL | 4,026 | | | 2,211 | 1,707 | 1 - | 1959.3 |

*Export coefficient valuus listed in Appendix IV are MEDIAN values. The ranges for each land use are assumed.

Bold: No category for this land use in Wisconsin unit area loads. Use Florida unit area loads

Bold Italic: No category for this land use in Appendix IV. Use forest land use value.

Results:

The export coefficient values lised in Appendix IV of Reference 2 are median values. Therefore, the range calculated with this method is a range for the median, rather than a range between the minimum and maximum loads. The results show that the Harrisburg Reservoir watershed median Phosphorus load ranges between 1,707-2,211 lb/yr.

| BJB | | | | | |
|-----------------------|-------------------|------------------|------------------------------------|--------------------|--------------------------|
| 4/13/2009 | | | | | |
| 1 of | | | | | |
| | | | | | |
| | | | | | |
| Trib Name | Trib Area (acres) | Percent of Total | Trib Flow (mil m ³ /yr) | Trib load (lbs/yr) | Trib Concentration(ug/L) |
| Direct Flow 3 (RAI-3) | 3226 | 80.1% | 4.3550 | 1569.38 | 163.46 |
| Direct Flow 2 (RAI-2) | 589 | 14.6% | 0.7957 | 286.73 | 163.46 |
| Direct Flow 1 (RAI-1) | 212 | 5.3% | 0.2864 | 103.21 | 163.46 |
| | 4027 | 1.00 | 5.4371 | 1959.32 | 490 |

Unit Conversions:

1000 liters I pound = 453.59237 grams or 106 ug 0.45359237 ug/L

(1 lb/yr) / (1 mil m³/yr) = Median phosphorous load in the watershed = Total average annual estimated flow in the watershed =

1 cu m =

1959.327171 lb/yr



5.367994279 lbs/day

Export kg/km²/yr 54.5 54.5 54.6 30.0 54.5 53.2 22.2 22.2

| Calibration factors | Total P |
|---------------------|---------|
| Segment 1 | 0.64 |
| Segment 2 | 0.135 |
| Segment 3 | 0.52 |

| Loadings | Observed Pre | dicted |
|-------------------|--------------|--------|
| Segment 1: RAI-3 | 92.0 | 92.3 |
| Segment 2 : RAI-2 | 85.5 | 85.4 |
| Segment 3: RAI-1 | 69.7 | 69.8 |
| Area-Wtd Mean | 83.6 | 83.7 |

Harrisburg Reservoir Existing

C:\Documents and Settings\bennettbjMy Documents\BATHTUB\bath\Harrisburg_Existing_v2_Decay.btb File:

Overall Water & Nutrient Balances

Overall Mass Balance Based Upon

| Overall | Water | Balance |
|---------|-------|---------|
|---------|-------|---------|

| Overall Water Balance | | | | Averagi | ng Period = | 1.00 | years | |
|-----------------------|------|-----|-----------------|-----------------------|-------------|-----------------------------|----------|-------|
| | | | | Area | Flow | Variance | CV3 | unoff |
| <u>Trb</u> | Type | Seg | <u>Name</u> | <u>km²</u> | hm³/yr | <u>(hm3/yr)²</u> | <u>-</u> | m/yr |
| 1 | 1 | 1 | RAI-3 Watershed | 13.1 | 4.4 | 0.00E+00 | 0.00 | 0.33 |
| 2 | 1 | 2 | RAI-2 Watershed | 2.4 | 0.8 | 0.00E+00 | 0.00 | 0.33 |
| 3 | 1 | 3 | RAI-1 Watershed | 0.9 | 0.3 | 0.00E+00 | 0.00 | 0.33 |
| PRECIPITATION | | | | 1.0 | 0.9 | 0.00E+00 | 0.00 | 0.98 |
| TRIBUTARY INFLOW | | | | 16.3 | 5.4 | 0.00E+00 | 0.00 | 0.33 |
| ***TOTAL INFLOW | | | | 17.2 | 6.4 | 0.00E+00 | 0.00 | 0.37 |
| ADVECTIVE OUTFLO | W | | | 17.2 | 5.5 | 0.00E+00 | 0.00 | 0.32 |
| ***TOTAL OUTFLOW | N | | | 17.2 | 5.5 | 0.00E+00 | 0.00 | 0.32 |
| ***EVAPORATION | | | | | 0.9 | 0.00E+00 | 0.00 | |

| Component: | | • | | TOTAL P | | | | | |
|------------------|-------------|------------|-----------------|---------|----------------|----------------------|-------------|-----------|-------------------|
| | | | | Load | | Load Variance | e | | Conc |
| <u>Trb</u> | Type | Seg | Name | kg/yr | %Total | (kg/yr) ² | %Total | <u>CV</u> | mg/m ³ |
| 1 | 1 | 1 | RAI-3 Watershed | 711.9 | 77.6% | 0.00E+00 | | 0.00 | 163.5 |
| 2 | 1 | 2 | RAI-2 Watershed | 130.1 | 14.2% | 0.00E+00 | | 0.00 | 163.5 |
| 3 | 1 | 3 | RAI-1 Watershed | 46.8 | 5.1% | 0.00E+00 | | 0.00 | 163.5 |
| PRECIPITATION | | | | 28.5 | 3.1% | 2.03E+02 | 100.0% | 0.50 | 30.8 |
| TRIBUTARY INFLOW | | | | 888.7 | 96.9% | 0.00E+00 | | 0.00 | 163.5 |
| ***TOTAL INFLOW | | | | 917.3 | 100.0% | 2.03E+02 | 100.0% | 0.02 | 144.1 |
| ADVECTIVE OUTFLO | W | | | 383.4 | 41.8% | 5.38E+03 | | 0.19 | 69.8 |
| ***TOTAL OUTFLOW | V | | | 383.4 | 41.8% | 5.38E+03 | | 0.19 | 69.8 |
| ***RETENTION | | | | 533.9 | 58.2% | 5.47E+03 | | 0.14 | |
| | Overflow Ra | ate (m/yr) | | 5.8 | | Nutrient Resid | . Time (yrs | ;) | 0.4030 |
| | Hydraulic R | esid. Time | e (yrs) | 0.8045 | Turnover Ratio | | | | 2.5 |
| | Reservoir C | onc (mg/r | n3) | 84 | | Retention Coe | f. | | 0.582 |

Predicted

Outflow & Reservoir Concentrations

Harrisburg Reservoir Existing

File: C:\Documents and Settings\bennettbj\My Documents\BATHTUB\bath\Harrisburg_TMDL_v2_Decay.btb

Overall Water & Nutrient Balances

| Overall Water Balance | | | A | g Period = | /ears | | | |
|-----------------------|------|-----|-------------|--------------------|-----------------------------|-----------------------------------|---------|-----------------------|
| Trb | Туре | Seg | <u>Name</u> | Area <u>km²</u> | Flow hm ³ /yr | Variance (hm3/yr) ² | cv _ | Runoff <u>m/yr</u> |
| 1 | 1 | 1 | RAI-3 Wat | 13.1 | 4.4 | 0.00E+00 | 0.00 | 0.33 |
| 2 | 1 | 2 | RAI-2 Wat | 2.4 | 0.8 | 0.00E+00 | 0.00 | 0.33 |
| 3 | 1 | 3 | RAI-1 Wat | 0.9 | 0.3 | 0.00E+00 | 0.00 | 0.33 |
| PRECIPITATION | | | | 1.0 | 0.9 | 0.00E+00 | 0.00 | 0.98 |
| TRIBUTARY INFLOW | | | | 16.3 | 5.4 | 0.00E+00 | 0.00 | 0.33 |
| ***TOTAL INFLOW | | | | 17.2 | 6.4 | 0.00E+00 | 0.00 | 0.37 |
| ADVECTIVE OUTFLOW | | | | 17.2 | 5.5 | 0.00E+00 | 0.00 | 0.32 |
| ***TOTAL OUTFLOW | | | | 17.2 | 5.5 | 0.00E+00 | 0.00 | 0.32 |
| ***EVAPORATION | | | | | 0.9 | 0.00E+00 | 0.00 | |

| Overall Mass Balance Based Upon Component: | | | | Predicted Outflow & Reservoir Concentra TOTAL P | | | ntrations | | | |
|-----------------------------------------------|-----------------------|---------|-----------|----------------------------------------------------|--------------|----------------------|-----------|-----------|-----------------|---------------|
| oomponent. | | | 101 | Load | | Load Varia | nce | | Conc | Export |
| <u>Trb</u> | Туре | Seg | Name | kg/yr | %Total | (kg/yr) ² | %Total | <u>cv</u> | <u>mg/m³ ;/</u> | <u>km²/yr</u> |
| 1 | 1 | 1 | RAI-3 Wat | 270.0 | 61.4% | 0.00E+00 | | 0.00 | 62.0 | 20.7 |
| 2 | 1 | 2 | RAI-2 Wat | 94.7 | 21.5% | 0.00E+00 | | 0.00 | 119.0 | 39.7 |
| 3 | 1 | 3 | RAI-1 Wat | 46.8 | 10.6% | 0.00E+00 | | 0.00 | 163.5 | 54.6 |
| PRECIPITATION | | | | 28.5 | 6.5% | 2.03E+02 | 100.0% | 0.50 | 30.8 | 30.0 |
| TRIBUTARY INFLOW | | | | 411.5 | 93.5% | 0.00E+00 | | 0.00 | 75.7 | 25.3 |
| ***TOTAL INFLOW | | | | 440.0 | 100.0% | 2.03E+02 | 100.0% | 0.03 | 69.1 | 25.5 |
| ADVECTIVE OUTFLOW | 1 | | | 249.1 | 56.6% | 1.36E+03 | | 0.15 | 45.3 | 14.4 |
| ***TOTAL OUTFLOW | | | | 249.1 | 56.6% | 1.36E+03 | | 0.15 | 45.3 | 14.4 |
| ***RETENTION | | | | 191.0 | 43.4% | 1.40E+03 | | 0.20 | | |
| | | | | | | | | | | |
| Overflow Rate (m/yr) | | | 5.8 | | Nutrient Res | sid. Time (y | rs) | 0.4898 | | |
| F | lydraulic Resid. Time | e (yrs) | | 0.8045 | | Turnover Ra | tio | | 2.0 | |
| R | leservoir Conc (mg/r | n3) | | 49 | | Retention C | oef. | | 0.434 | |

Appendix K Responsiveness Summary

Responsiveness Summary Middle Fork Saline River Watershed

Responsiveness Summary

This responsiveness summary responds to substantive questions and comments received during the public comment period from May 12, 2009 through June 11, 2009 postmarked, including those from the August 10, 2010 public meeting discussed below.

What is a TMDL?

A Total Maximum Daily Load (TMDL) is the sum of the allowable amount of a pollutant that a water body can receive from all contributing sources and still meet water quality standards or designated uses. The Middle Fork Saline River Watershed TMDL report contains a plan detailing the actions necessary to reduce pollutant loads to the impaired water bodies and ensure compliance with applicable water quality standards. The Illinois EPA implements the TMDL program in accordance with Section 303(d) of the federal Clean Water Act and regulations thereunder.

Background

The watershed targeted for TMDL development is Middle Fork Saline River Watershed and encompasses five counties with Williamson County covering 28,929 acres (18%) percent of the watershed, Saline County 119,182 acres (74%), Franklin County 7586 acres (5%), Hamilton County 3567 acres (2%) and Gallatin County 1298 acres (1%) The watershed encompasses an area of approximately 160,562 acres). Land use in the watershed is predominately agriculture. The Clean Water Act and USEPA regulations require that states develop TMDLs for waters on the Section 303(d) List. Illinois EPA is currently developing TMDLs for pollutants that have numeric water quality standards therefore a TMDL was developed for Oxygen, Fecal Coliform, Manganese, pH, Iron, Copper, Nickel, Silver, Sulfates, Zinc. The Illinois EPA contracted with Camp Dresser and McKee to prepare a TMDL report for the Middle Fork Saline River Watershed.

Public Meetings

Public meetings were held in the City of Harrisburg on May 12, 2009 and August 10, 2010. The Illinois EPA provided public notices for the meeting by placing display ads in the Harrisburg Daily Register. These notices gave the date, time, location, and purpose of the meeting. They also provided references to obtain additional information about this specific site, the TMDL Program and other related issues. Approximately 92 individuals and organizations were also sent the public notices by first class mail. The draft TMDL Report was available for review at the Harrisburg City Hall and Saline County and Williamson County Soil and Water Conservation District offices, and also on the Agency's web page at http://www.epa.state.il.us/water/tmdl.

A public meeting started at 6:00 p.m. on Tuesday, August 10, 2010. It was attended by approximately 6 persons and concluded at 7:45 p.m. with the meeting record remaining open until midnight, August 24, 2010.

Questions and Comments

There were no questions or comments from the meetings.