

# **VITAL SIGNS WATER QUALITY MONITORING FOR THE GREATER YELLOWSTONE NETWORK**



## **GRAND TETON NATIONAL PARK**

### **Final Technical Report**

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## EXECUTIVE SUMMARY

A goal of the National Park Service's Vital Signs program is to develop a long-term water quality monitoring plan for Grand Teton National Park (GRTE). The first step towards achieving this goal is to collate and evaluate existing water quality data that have been collected from water bodies in the park and surrounding area. Much of these data are stored in the EPA's STORET database. The objectives of our study were to: 1) catalog the existing water quality data for GRTE from the EPA-STORET database; 2) supplement these data with additional data as it became available; 3) review all the data for their utility in determining the status and trends in park water quality; 4) determine the status and trends and the range of variability in water quality at GRTE; and 5) identify and prioritize water quality monitoring needs in accordance with the goals of the Vital Signs monitoring program.

### STUDY AREA

Grand Teton National Park (GRTE) is located in northwestern Wyoming, immediately south of its much larger neighbor, Yellowstone National Park. When the Park was first established in 1929, it only included the Teton mountain range and several glacial lakes. In 1950, the Park was expanded to incorporate Jackson Hole National Monument, which had been created in 1943. The Park presently encompasses nearly 310,000 acres, and protects the Teton Range, the Jackson Hole valley, a 50-mile portion of the Snake River, seven morainal lakes, over 100 backcountry and alpine lakes, and a wide range of wildlife and plant species.

The landscape of GRTE is among the most spectacular in North America. The dramatic peaks of the Teton Range dominate the western third of the Park. The Teton Range was created by uplift along the steeply dipping Teton normal fault, beginning approximately 10 million years ago. Grand Teton, at 13,770 feet, is the highest peak in the Teton Range, which includes eleven other peaks over 12,000 feet. The Jackson Hole valley occupies the middle third of the Park. Much of the floor of Jackson Hole is a glacial outwash plain, and several lakes in the valley, including Phelps, Bradley, Taggart, Jenny, String, Leigh and Jackson Lakes, are impounded by glacial moraines. The Park's eastern third has sagebrush flats in the south, and pine forested hills in the north. GRTE includes portions of the Snake Headwaters, Gros Ventre, Grays Hoback, Lower Henry's, and Teton 4<sup>th</sup> Level Hydrologic Units or Sub-basins<sup>1</sup>

### METHODS

Data from a previous report on water quality at GRTE (Horizon Systems Corporation, 2001), along with more recent data from the New STORET database, were used to populate a MS-Access database. The database was dynamically linked to Arc-View 3.2 to facilitate spatial querying. Water quality data records were allocated to one of the following thirteen parameter groups: Alkalinity, pH, Conductivity, Dissolved Oxygen, Temperature, Flow, Toxic Elements, Clarity/Turbidity, Nitrate-Nitrogen, Phosphate-Phosphorus, Chlorophyll, Sulfate, and Bacteria.

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<sup>1</sup> The Federal Geographic Data Committee's Subcommittee on Spatial Water Data has developed a hierarchical six-level system for classifying the United States into discrete hydrologic units. The fourth level of classification is the sub-basin. There are 2,149 sub-basins in the United States, with a mean area of 703 square miles. Sub-basins are identified by an eight-digit Hydrologic Unit Code (HUC).

The complete database included more than 39,000 individual records. The database was used to: 1) develop summary tables describing the total number of samples, the number of sampling sites, and the earliest and most recent samples for each parameter group in each sub-basin; 2) conduct analyses of temporal variability and trends in water quality for selected sites with longer records in each sub-basin; 3) identify historical water quality parameter values that failed to meet US-EPA, State of Wyoming, or other water quality standards; and, 4) identify and prioritize appropriate locations and parameters for future water quality monitoring.

## **WATER QUALITY ISSUES AND CONCERNS**

Issues of concern for water quality in the Park include:

- The potential for elevated nutrient concentrations in Park streams, rivers and lakes due to seepage from wastewater treatment plants and other sanitary facilities, and runoff from grazing land;
- The potential for bacterial contamination of Park streams, rivers and lakes due to leakage from campground sanitary facilities, inappropriate backcountry camping techniques, and presence of cattle, elk and other wildlife in and near Park water bodies;
- The potential for increased sediment inflows to streams and rivers to cause high turbidity and impairment of fish habitat. Potential sediment sources include roads and trails, and grazing land;
- The impact of atmospheric deposition on the water quality status of high elevation lakes in the Teton Range and elsewhere in the Park. These pristine water bodies are highly sensitive to acidification, and development in the region around the Park may cause increased deposition of acidifying compounds of nitrogen and sulfur.

While these issues have been identified as a concern for Park managers, there are presently no water bodies in the Park that are listed in the Wyoming 303(d) list<sup>2</sup>.

## **RESULTS**

Water quality data were obtained for 643 monitoring sites in Grand Teton National Park and its influent sub-basins. There are 39,128 data records, extending from 1947 up until 1999 in the database.

### *Snake River Headwaters Subbasin*

There are 528 sites in the Snake Headwaters sub-basin with water quality data. There are data for all thirteen major parameter groups and the number of sites with data ranges from 35 for bacteriological data to 404 for pH data. Most sites only have 1 or 2 years of data, but there are 22

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<sup>2</sup> Section 303(d) of the federal Clean Water Act requires the states periodically to prepare a list of all surface waters in the state for which beneficial uses of the water – such as for drinking, recreation, aquatic habitat, and industrial use – are impaired by pollutants.

sites that have data for more than 2 years for one parameter group, and 19 sites with data for more than 2 years for more than one parameter group. Nine parameter groups have data from as recently as 1999, and the other groups have data from 1998. Taken in combination, the data set for the Snake Headwaters sub-basin is the most comprehensive, complete and recent of all the 4<sup>th</sup> Level Hydrologic Units included in this study.

Comparisons of the water quality data from three sites along the Snake River – at Flag Ranch, Moran and Moose – indicated that there were no major differences between upstream and downstream locations. Samples from the three sites have occasionally failed to meet water quality standards for bacteria, pesticides, and metals. However, there was no correlation between water quality violations at upstream and downstream sites. There was no evidence to indicate that water quality either improves or declines as the Snake River flows through the Park.

Water quality data collected from Jackson Lake indicated that alkalinity, dissolved sulfate and pH increased, while Secchi transparency decreased, between the 1970s and the 1990s. However, all of the trends were based on a limited number of data points. Two sets of samples collected from Jackson Lake in the early 1990s failed to meet water quality standards for total arsenic and total mercury.

For the entire Snake River Headwaters subbasin, there have been documented water quality exceedances for bacteria (6 sites), turbidity (5 sites), D.O. (12 sites), nitrate-nitrogen (1 site), pH (156 sites), total sulfate (3 sites), pesticides (3 sites) and various metals (21 sites).

#### *Gros Ventre Sub-basin*

There are 32 sites in the Gros Ventre sub-basin with water quality data. There are data for all of the major parameter groups except for bacteria, chlorophyll and turbidity. The number of sites with data ranges from two for dissolved oxygen data to 30 for pH and toxic elements data. Most sites only have 1 or 2 years of data; there are just two sites that have data for more than 2 years for more than one parameter group. The most recent data for any parameter group are from 1997, but the most recent data for dissolved oxygen, nitrogen, pH, sulfates and toxic elements are from the 1970s.

Twenty-two samples from 14 sites failed to meet water quality standards. These samples were in the pH (11 samples), sulfate (1 sample) and toxic elements (10 samples) parameter groups. The toxic element parameters with exceedances were dissolved copper, zinc and silver, and the samples were collected in 1976.

#### *Grays Hoback Sub-basin*

The Grays Hoback Sub-basin has 74 sites with water quality data. There are data for all of the major parameter groups, and the number of sites with data in each parameter group ranges from three for chlorophyll to sixty for pH data. There is only one site – GRTE0011, Snake River near Wilson, Wyoming – that has water quality data for more than 2 years for more than one parameter group. The most recent data for any parameter group are bacteriological data from 1998, and all parameter groups except alkalinity have data from the 1990s.

There were 89 samples from 32 sites where the parameter failed to meet the defined water quality standard. These samples came from the bacteriological (5 samples), turbidity (1 sample), pH (18 samples) and toxic elements (65 samples) parameter groups. The toxic element

parameters with exceedances were total and dissolved cadmium, chromium, copper, lead, mercury and zinc.

### *Lower Henry's Subbasin*

There are fifteen sites in the Lower Henry's sub-basin with water quality data. Despite the small number of sites, there are data for all thirteen of the major parameter groups. The number of sites with data in each group ranges from one for chlorophyll data to fifteen for conductivity and pH data. None of the sites has data for more than 2 years for one or more parameter groups. However, all of the parameter groups have data from the 1990s. The most recent data are from two sites in 1993.

Fifteen samples from twelve sites in the Lower Henry's sub-basin failed to meet the defined water quality standards. These samples were from the pH (11 samples) and toxic elements (4 samples) parameter groups. All of the toxic element exceedances were for total mercury.

### *Teton Sub-basin*

Water quality data have been collected from 37 sites in the Teton sub-basin, and there are data for all of the major parameter groups except for chlorophyll and turbidity. The number of sites with data ranges from one for bacteriological parameters to 34 for conductivity, temperature and toxic elements. No sites have data for more than 2 years for one or more parameters. Six sites have data from as recently as 1991 for the conductivity, flow, nitrogen, pH, phosphorous, sulfate and toxic element parameter groups. The most recent data for alkalinity and bacteria are from the 1970s, and there are no dissolved oxygen data since 1958.

Eleven samples from seven sites failed to meet water quality standards. The samples were from the pH (1 sample) and toxic elements (10 samples) parameter groups. The toxic element parameters that did not meet water quality standards were dissolved copper, zinc, beryllium, mercury and silver.

## **CONCLUSIONS AND RECOMMENDATIONS**

Grand Teton National Park (GRTE) has more recent and more comprehensive water quality data than either of the other two parks in the GRYE network (Bighorn Canyon NRA and Yellowstone NP). There are recent data for all thirteen of the major parameter groups, and most of the major water bodies, including the Snake River and Jackson Lake, have been sampled many times for water quality. However, the vast majority of sampling locations have only been sampled periodically, were sampled intensively for just one or two years, or were sampled only for basic parameters such as temperature, pH and conductivity. These sites are of limited value for determining the status and trends in park water quality. In fact, only the Snake Headwaters sub-basin has any sites with sufficient data to enable long-term trends to be analyzed. The most useful data are from sites that have several years of data for key parameters, such as nitrogen, phosphorous, bacteria, dissolved oxygen, metals and pesticides. The sites in GRTE that have the longest and most complete data sets are:

- GRTE0081 (Kelly Warm Spring nr. Kelly, GTNP, WY);



- GRTE0100 (Snake River at Moose, WY, H9493);
- GRTE0128 (Ditch C. bel S. Fr. nr. Kelly, WY);
- GRTE0234 (Ctnwd. C at Outlet of Jenny Lk nr. Moose GTNP, WY);
- GRTE0262 (Jenny Lake north of Jackson WY);
- GRTE0303 (Spread C. nr. Moran, WY);
- GRTE0363 (Buffalo Fork above Lava Creek near Moran, WY);
- GRTE0373 (Jackson Lake .4 Miles west of dam);
- GRTE0381 (Pacific Creek at Moran, WY);
- GRTE0384 (Jackson Lake, 700 Ft u/s of dam, south bank);
- GRTE0388 (Snake River near Moran, WY);
- GRTE0390 (Snake R b'low Jackson Lk Dam);
- GRTE0463 (Cygnet Pond);
- GRTE0472 (East End of Two Ocean Lake);
- GRTE0492 (Pilgrim Creek below abandoned ford);
- GRTE0499 (Pilgrim C at abandoned ford nr Moran, GTNP, Wyo);
- GRTE0611 (Wrong number for Snake R ab Jackson Lk @ Flagg R);
- GRTE0612 (Snake River ab Jackson Lake, at Flaggh9999);
- GRTE0624 (Snake River at Flagg Ranch);
- GRTE0037 (Gros Ventre River near Zenith, WY);
- GRTE0074 (Lower Slide Lake northeast of Jackson, WY);
- GRTE0011 (Snake River near Wilson, Wyoming).

Comparison of the available water quality data with state and federal water quality standards indicates that GRTE water quality is generally very high, and has been little impacted by human activity in the Park and in upstream watersheds. Nevertheless, given the increased public use of natural areas like Grand Teton National Park, and the overall population increase in the West, pressure on Park water resources is likely to continue to increase. The periodic water quality violations noted from the historical data provide a guide as to where to sample and what to sample in order to monitor for future human impacts. Based on our findings we provide the following recommendations for development of a water quality monitoring plan for Vital Signs in Grand Teton National Park:

- Develop a monitoring strategy that is based on watershed boundaries, rather than park administrative boundaries. Assign monitoring for the Snake River Headwaters to GRTE and the Yellowstone River Headwaters to YELL to avoid overlap and confusion;
- Establish or maintain existing water quality monitoring stations along the Snake River at Flagg Ranch, Moran and Moose (GRTE0612, GRTE0390 and GRTE0100) and along the major tributaries of the Snake River - the Buffalo Fork, Gros Ventre River<sup>3</sup> and Pacific Creek. Monitor continuously for the four key parameters (pH, temperature, conductivity and D.O.) and for turbidity, using in-situ sensors. Collect simultaneous flow data (or obtain these data from USGS gages). Monitor all sites at least quarterly for major ions, nutrients, bacteria, and alkalinity. Monitor at least annually for selected toxic element

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<sup>3</sup> Flow in the Gros Ventre River is ephemeral due to an upstream diversion. Sampling may not be possible at certain periods of the year, particularly in late summer.

parameters such as the pesticides Dieldrin and P,P-DDE and the metals arsenic, mercury, chromium, and cadmium that have previously been detected in the Snake River;

- Establish or maintain water quality monitoring stations in the seven morainal lakes on the valley floor (Jackson, Leigh, String, Jenny, Bradley, Taggart, and Phelps). Monitor for the four key parameters, and for turbidity and chlorophyll, using in-situ sensors. Monitor quarterly for major cations and anions, bacteria, nutrients and alkalinity. Measure and record the lake depth at each sampling location. Establish fixed sites and collect Secchi disc data on a quarterly basis;
- Monitor water bodies downgradient from wastewater treatment facilities, such as Swan Lake, for bacteria and nutrients on a quarterly basis;
- Establish or maintain water quality monitoring stations in high elevation lakes in the Teton range to determine effects due to atmospheric deposition. Identify specific sites based on thesis research being conducted by Jenni Corbin at the University of Montana. Lake sampling should be stratified according to watershed geology, as this is a key determinant of lake water chemistry. Monitor for the four key parameters, and for alkalinity, using in-situ sensors. Monitor at least annually, in late summer, for major anions and cations, nutrients (including total Nitrogen and total Phosphorous), total organic carbon (TOC), and ANC.

## **ACKNOWLEDGEMENTS**

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## 1.0 INTRODUCTION

A goal of the National Park Service's Vital Signs program is to develop a long-term water quality monitoring plan for Grand Teton National Park (GRTE). The first step towards achieving this goal is to collate and evaluate existing water quality data that have been collected from water bodies in the park and surrounding area. Much of these data are stored in the EPA's STORET database. The objectives of our study were to: 1) catalog the existing water quality data for GRTE from the EPA-STORET database; 2) supplement these data with additional data as it became available; 3) review all the data for their utility in determining the status and trends in park water quality; 4) determine the status and trends and the range of variability in water quality at GRTE; and 5) identify and prioritize water quality monitoring needs in accordance with the goals of the Vital Signs monitoring program.

### 1.1 REGIONAL SETTING

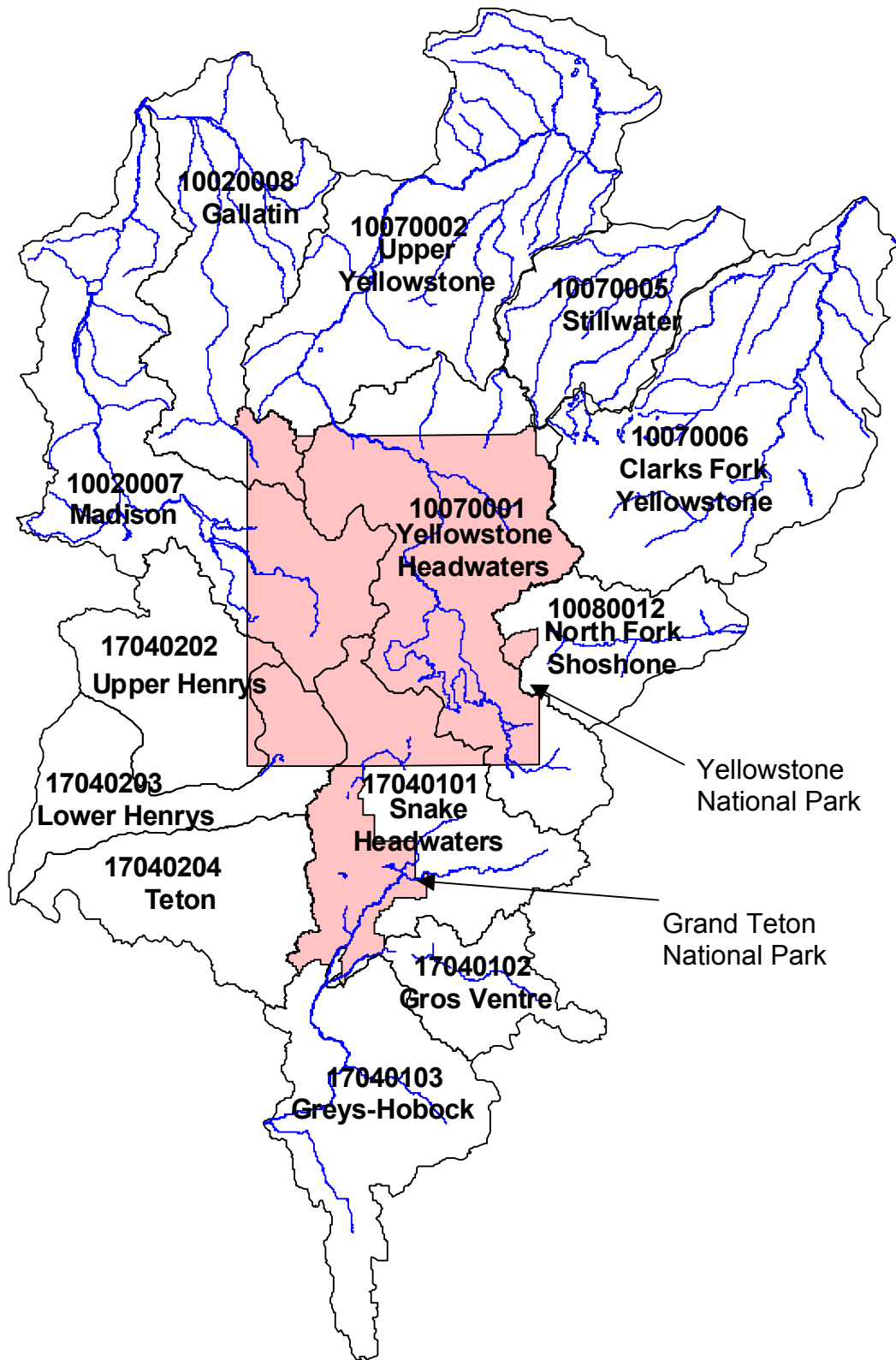
Grand Teton National Park (GRTE) is located in northwestern Wyoming, immediately south of its much larger neighbor, Yellowstone National Park (Figure 1). When the Park was established in 1929, it only included the Teton mountain range and several glacial lakes. In 1950, the Park was expanded to incorporate Jackson Hole National Monument, which had been created in 1943. The Park presently encompasses nearly 310,000 acres, and protects the Teton Range, the Jackson Hole valley, a 50-mile portion of the Snake River, seven morainal lakes, over 100 backcountry and alpine lakes, and a wide range of wildlife and plant species.

The landscape of GRTE is among the most spectacular in North America. The dramatic peaks of the Teton Range dominate the western third of the Park. The Teton Range was created by uplift along the steeply dipping Teton normal fault, beginning approximately 10 million years ago. Grand Teton, at 13,770 feet, is the highest peak in the Teton Range, which includes eleven other peaks over 12,000 feet. The Jackson Hole valley occupies the middle third of the Park. Much of the floor of Jackson Hole is a glacial outwash plain, and several lakes in the valley, including Phelps, Bradley, Taggart, Jenny, String, Leigh and Jackson Lakes, are impounded by glacial moraines. The Park's eastern third has sagebrush flats in the south, and pine forested hills in the north. GRTE is located almost entirely within the Snake Headwaters 4<sup>th</sup> Level Hydrologic Unit or Sub-basin<sup>4</sup>. The Gros Ventre, Grays Hoback, Lower Henry's, and Teton sub-basins are influent to the Park.

Monthly mean maximum temperatures at Jackson, Wyoming range from 27.2 °F in January to 81.6°F in July (Table 1). Monthly mean minimum temperatures range from 4.9 °F to 36.7 °F in July. Monthly mean precipitation values at Jackson, Wyoming (elevation 6250 ft) range from 1.0 inch in February to 1.9 inches in May, and the mean annual precipitation is 15.9 inches. However, precipitation amounts in the Teton Range are much greater. The Phillips Bench SNOTEL site (elevation 8200 ft), southwest of Teton Village, receives an average of 43.8 inches of precipitation annually.

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<sup>4</sup> The Federal Geographic Data Committee's Subcommittee on Spatial Water Data has developed a hierarchical six-level system for classifying the United States into discrete hydrologic units. The fourth level of classification is the sub-basin. There are 2,149 sub-basins in the United States, with a mean area of 703 square miles. Sub-basins are identified by an eight-digit Hydrologic Unit Code (HUC).



**Figure 1.** Location of Grand Teton National Park and surrounding 4<sup>th</sup> Level Hydrologic Units (Sub-basins).



**Table 1.** Mean monthly maximum and minimum temperatures and monthly precipitation at Jackson, and monthly precipitation at Phillips Bench SNOTEL site. Temperature and precipitation values for Jackson are based on data for 1948-2001. Precipitation averages for Phillips Bench are for the period 1971-2000.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Max. Temp. (°F)</b>	27.2	32.5	40.8	52.1	62.7	72.2	81.6	80.3	71.0	58.5	39.5	28.0
<b>Min. Temp. (°F)</b>	4.9	8.1	15.5	24.3	30.6	36.7	40.4	38.6	31.3	23.3	15.8	6.0
<b>Precipitation at Jackson (in)</b>	1.5	1.0	1.2	1.1	1.9	1.7	1.1	1.2	1.3	1.1	1.4	1.6
<b>Precipitation at Phillips Bench SNOTEL (in)</b>	6.0	5.1	4.8	3.7	3.5	2.3	1.3	1.6	2.0	2.5	4.9	6.1

## 1.2 WATER QUALITY ISSUES AND CONCERNS

Issues of concern for water quality in GRTE include the impact of recreational activities, such as camping, hiking, and boating, and cattle and elk grazing. The primary contaminants associated with these activities are nutrients, bacteria, and sediment. Acidification of the Park’s high elevation lakes, caused by sulfur and nitrogen based compounds in atmospheric deposition, is also a concern.

### *Nutrients*

Nutrient concentrations in GRTE lakes and streams are a water quality issue of concern primarily because of the potential for eutrophication, and the consequent development of algal blooms. Algal blooms are aesthetically undesirable, and can deplete dissolved oxygen levels to the point where the water can no longer support aquatic life. Ingestion of nutrient contaminated drinking water, and contact with or ingestion of algal blooms can have adverse health effects on humans. Very high concentrations of nitrate in drinking water can lead to methemoglobinaemia (“blue-baby syndrome”) in children.

Nutrients (nitrogen and phosphorus) in GRTE streams, rivers and lakes could come from a range of point and non-point sources. There are sewage disposal ponds at Colter Bay village, Signal Mountain, and Flagg Ranch, and a sewage drain field at Moose Village (Hedmark and Young, 1999), and these are all potential point sources for nutrients. Groundwater investigations conducted by the U.S. Geological Survey in the 1970s indicated that effluent percolating from the Colter Bay village disposal pond would move west and southwest toward Swan Lake and Colter Bay (Cox, 1977). Effluent from the Flagg Ranch site would probably discharge to the Snake River. Effluent from the Moose Village drain field would move southeast and south towards the Snake River.

Grazing is a potential non-point source for nutrients, as well as bacteria and sediment. Grazing of cattle has been permitted on GRTE land since the Park was first established. Although the intention was for grazing to be phased out as the original permittees died, grazing continues on 24,445 acres, approximately eight percent, of GRTE land. In addition, approximately half of the 7,500 head of elk that overwinter in the National Elk Refuge spend each summer in the Park.

The trophic status of 17 park lakes was evaluated in 1995, and water quality, as defined by trophic status, was found to be generally good (Dustin and Woodruff Miller, 2001). Trophic levels in the alpine and moraine lakes on the west side of the Park ranged from oligotrophic to slightly mesotrophic. On the east side, trophic levels ranged from slightly mesotrophic to eutrophic. None of the lakes was shown to be in immediate danger of accelerated eutrophication. Elevated phosphorus concentrations have been measured in some of the lakes in the northeast portion of the Park. These high concentrations may be due to the presence of phosphate-rich rock of the Phosphoria Formation, which outcrops in this area, rather than human-caused impacts on water quality (Dustin and Woodruff Miller, 2001).

### *Bacteria*

Bacterial contamination of Park waters is a water quality issue of concern because Park streams and lakes are used for bathing and other water-based recreation. Ingestion of bacterially contaminated water can cause gastrointestinal disease in humans. Bacterial contamination of Park waters could come from wastewater discharges from campgrounds and watercraft, inappropriate waste disposal at backcountry campsites, and from the presence of cattle and elk in and near streams. The bacterial water quality of Garnet Canyon and lower Cascade Canyon, two high human use areas in the Park, was evaluated in 1996 and 1997 (Farag et al., 2001). No evidence of fecal coliform, *Giardia lamblia* or *coccidia* was found in Garnet Creek. No *Giardia lamblia* or *coccidia* were found in Cascade Creek, but fecal coliforms were present. The fecal coliform colonies matched the ribosome patterns of avian, deer, elk, rodent, and human coliforms.

### *Sediment*

Deposition of fine sediment in gravel-bedded streams can reduce the availability of spawning gravels for salmonids, leading to reduced reproduction rates, and a long term decline in salmonid populations. Potential sources of increased sediment in Park streams and lakes include park roads and trails, and cattle and elk grazing. Although park managers have identified sediment as an issue of concern for water quality, there is little evidence to suggest that current land use activities in the Park have increased erosion rates to the point where sediment is a serious water quality concern.

### *Atmospheric Deposition*

Sulfur and nitrogen oxides, and ammonia, contained in atmospheric deposition have the potential to cause acidification in Park waters. Atmospheric deposition impacts are of particular concern in the high elevation lakes of the Teton Range. Mountainous watersheds such as these tend to have a low buffering capacity because of their sparse vegetation, short growing season, poor soil development and the presence of extensive areas of exposed bedrock. As a result, nitrogen saturation is reached relatively easily, and nitrogen compounds contained in atmospheric deposition are more likely to be released into water bodies. In addition, atmospheric pollutants that accumulate in the winter snowpack in mountainous watersheds are released rapidly during the spring snowmelt, resulting in a large nutrient flux that quickly overwhelms the soil's limited storage capacity.

Atmospheric deposition impacts are an increasing issue of concern in GRTE due to: (1) increasing residential and business development in Jackson Hole south of the park; (2) increasing use of prescribed burning in and around Jackson Hole; (3) proposed oil and gas development and associated activities south, east, and west of the park; (4) agricultural practices in Idaho west of the park; and (5) metropolitan and industrial development along the western slope of the Wasatch Mountains in the Salt Lake City, Utah area.

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## 2.0 METHODS

Historical water quality data for Grand Teton National Park (GRTE) were obtained from a previous report on water quality data at GRTE (Horizon Systems Corporation, 2001), and from the United States Environmental Protection Agency's (US-EPA) New STORET water quality data retrieval system. These data were used to populate a MS-Access database, which was dynamically linked to an Arc-View® 3.2 Geographic Information System (GIS) to facilitate spatial querying.

Upon completion the MS-Access database contained almost 40,000 data records, and included all the records for GRTE that were available in New STORET as of December 2001. The raw database tables are contained in the CD-ROM provided with this report. Not all of the water quality data collected in the Park is entered into STORET, so the fact that no data are reported here for a water body does not mean that no data have been collected. In addition, since there is typically a lag between data collection and data entry to STORET, some data collected prior to December 2001 may not have been included. To facilitate data analysis, each data record was assigned to one of thirteen parameter groups according to its STORET parameter code:

- Alkalinity
- pH
- Conductivity
- Dissolved Oxygen
- Temperature
- Flow
- Toxic Elements
- Clarity/Turbidity
- Nitrate/Nitrogen
- Phosphate/Phosphorus
- Chlorophyll
- Sulfate
- Bacteria

These groups represent thirteen of the fourteen "Level 1" parameters identified as those that all parks must have for "key" waterbodies (National Park Service, 1993). Since parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter "groups". Since this report is concerned solely with surface water quality the fourteenth parameter group - Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates) - was not included. The database was used to:

- Develop summary tables describing the number of sampling sites, number of samples and the earliest and most recent samples for each parameter group in each sub-basin;
- Determine temporal variability and trends in water quality for selected sites with longer records in each sub-basin;
- Identify historical water quality values that failed to meet state, federal or other defined water quality standards in each sub-basin;

- Identify and prioritize appropriate locations and parameters for future water quality monitoring.

*Status, trends and range of variability in water quality*

Data from seven stations in the Snake Headwaters sub-basin were used to determine the status, trends and range of variability in stream water quality. These stations were selected because they had a relatively long period of record that included data for major water quality parameters such as pH, conductivity, temperature, turbidity, nitrogen, and bacteria. There were insufficient data to conduct analyses of water quality status and trends in the other four sub-basins influent to GRTE. For each station, we collated all of the available data in each of the following major parameter groups:

- pH;
- Conductivity;
- Temperature;
- Dissolved Oxygen;
- Clarity/Turbidity;
- Bacteria;
- Nitrogen;
- Phosphorous;
- Chlorophyll (lake sites only);
- Sulfate.

For each of these parameter groups we calculated the minimum, maximum, mean, standard deviation and median of values for the parameter code that had the longest and most complete data record. In cases where there were several parameter codes in a group with a similar period of record, we selected the most representative analytical method. In cases where field and lab analyses were performed, we used the lab data for our analysis.

*Comparison with water quality standards*

Each record in the database was compared to state and federal water quality standards, so that historical and existing water quality problems could be identified. The standard used for each comparison was the most stringent of the following water-quality criteria:

- U.S. Environmental Protection Agency, 1995. Quality Criteria for Water, Final Draft;
- U.S. Environmental Protection Agency, 1994. 40 CFR 141 – National Primary Drinking Water Regulations;
- U.S. Environmental Protection Agency, 1994. 40 CFR 143 – National Secondary Drinking Water Regulations;
- State of Wyoming, 2001. Water Quality Rules and Regulations, Chapter 1: Wyoming Surface Water Quality Standards.

In a few cases, other sources of water quality standards were used because there was either no appropriate standard in the above documents, or there was a more appropriate standard.



The sources of these other standards are listed at the beginning of Appendix A. Some of the records in the database may have been based on samples collected when water quality standards were less stringent, or when no water quality standard existed. However, we compared all records, regardless of the date of collection, to current water quality standards, as these are, in most cases, more stringent than previous standards.

## **References**

Horizon Systems Corporation, 2001. Baseline Water Quality Data Inventory and Analysis: Grand Teton National Park. National Park Service Water Resources Division, Fort Collins, CO 80525. Technical Report NPS/NRWRD/NRTR-2000/260, October 2001. 1,443 p.

National Park Service, 1993. Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service. National Park Service, Washington Office, Servicewide Inventory and Monitoring Program, Washington, D.C. Unpublished. 17 p.

### 3.0 RESULTS

Water quality data were obtained for 643 sites at Grand Teton National Park and its influent watersheds (Figure 2 – foldout map and Appendix B). The database includes 39,128 data records. The following sections present analyses of these data for each of the five sub-basins that are influent to Grand Teton National Park: Snake Headwaters (No. 17040101), Gros Ventre (No. 17040102), Grays Hoback (No. 17040103), Lower Henry’s (No. 17040203) and Teton (No. 17040204).

#### 3.1 SNAKE HEADWATERS SUB-BASIN

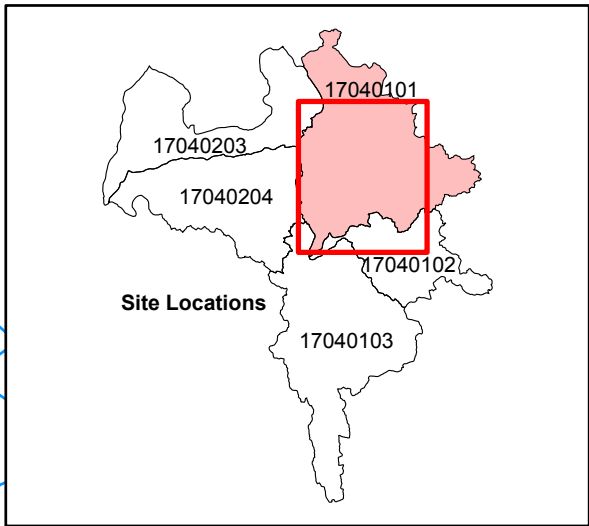
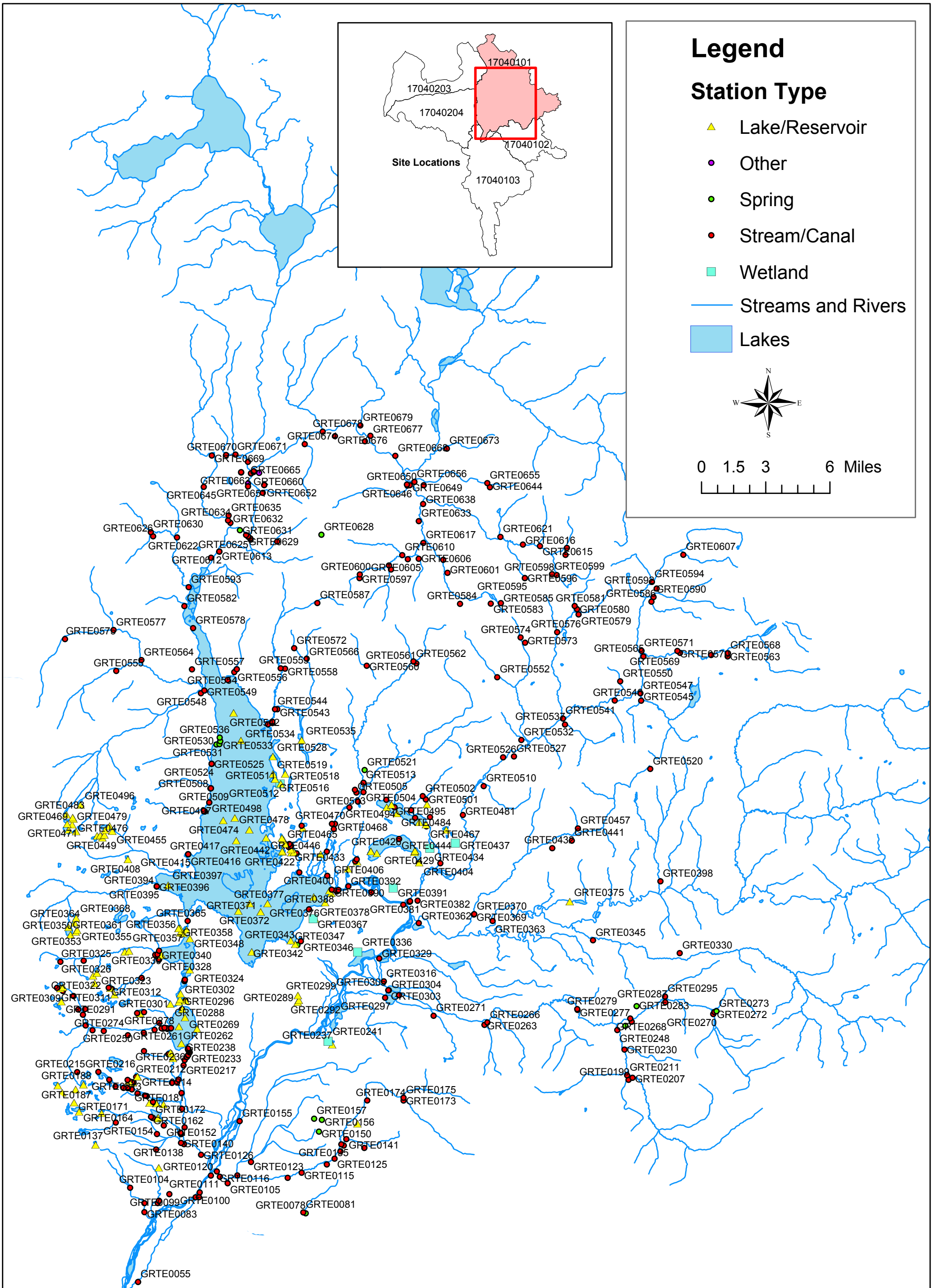
##### *Summary of available data*

Water quality data have been collected at 528 sites in the Snake Headwaters Sub-basin (Figure 3). There are data for all thirteen of the Major parameter groups (Table 2). The number of records per parameter group ranges from 334 for chlorophyll to 9,056 for toxic elements (Table 2 and Appendix C-1).

**Table 2.** Summary statistics for data records in Snake Headwaters Sub-basin. (See appendices C-1 through C-5 for detailed information).

		Alkalinity	Bacteriological	Chlorophyll	Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorus	Sulfates	Temperature	Toxic Elements
Total no. of data records		1020	704	334	984	2962	1717	1516	2036	2604	2230	1408	3170	9056
No. of sites with data	Total	101	35	40	61	378	115	72	131	404	173	155	400	308
	from 1 or 2 years	86	32	37	53	363	110	58	116	387	161	139	384	294
	for > 2 years	15	3	3	8	15	5	14	15	17	12	16	16	14
	for >10 years	0	0	0	0	4	1	4	1	1	1	1	4	1
	For > 20 years	0	0	0	0	3	0	3	0	0	0	0	3	0
Most recent year with data		1998	1998	1998	1998	1999	1999	1999	1999	1999	1999	1999	1999	1999
Water quality violations	No. of sites	-	6	-	5	-	12	-	1	156	-	3	-	33
	No. of records	-	8	-	11	-	30	-	1	205	-	3	-	159

The number of sites with data ranges from 35 for bacteriological data to 404 for pH data (Table 2 and Appendix C-2). There are 22 monitoring sites in this HUC that have data for more



### Legend

**Station Type**

- ▲ Lake/Reservoir
- Other
- Spring
- Stream/Canal
- Wetland
- Streams and Rivers
- Lakes

Figure 3 - Snake River Headwaters sub-basin - (HUC No 17040101) Water Quality Sampling Sites

than 2 years for one parameter group (Figure 4). Nineteen of these sites have data for more than 2 years for more than one parameter group<sup>5</sup>:

- GRTE0081 (Kelly Warm Spring nr. Kelly, GTNP, WY);
- GRTE0100 (Snake River at Moose, WY, H9493);
- GRTE0128 (Ditch C. bel S. Fr. nr. Kelly, WY);
- GRTE0234 (Ctnwd. C at Outlet of Jenny Lk nr. Moose GTNP, WY);
- GRTE0262 (Jenny Lake north of Jackson WY);
- GRTE0303 (Spread C. nr. Moran, WY);
- GRTE0363 (Buffalo Fork above Lava Creek near Moran, WY);
- GRTE0373 (Jackson Lake .4 Miles west of dam);
- GRTE0381 (Pacific Creek at Moran, WY);
- GRTE0384 (Jackson Lake, 700 Ft u/s of dam, south bank);
- GRTE0388 (Snake River near Moran, WY);
- GRTE0390 (Snake R b'low Jackson Lk Dam);
- GRTE0463 (Cygnet Pond);
- GRTE0472 (East End of Two Ocean Lake);
- GRTE0492 (Pilgrim Creek below abandoned ford);
- GRTE0499 (Pilgrim C at abandoned ford nr Moran, GTNP, Wyo);
- GRTE0611 (Wrong number for Snake R ab Jackson Lk @ Flagg R);
- GRTE0612 (Snake River ab Jackson Lake, at Flaggh9999);
- GRTE0624 (Snake River at Flagg Ranch).

Nine parameter groups have data from as recently as 1999, and the other four parameter groups all have data from 1998 (Figure 5 and Appendix C-3). Summary statistics for all site / water quality parameter combinations in the Snake Headwaters Sub-basin are tabulated in Appendix C-4.

#### *Water quality status and trends - Snake River*

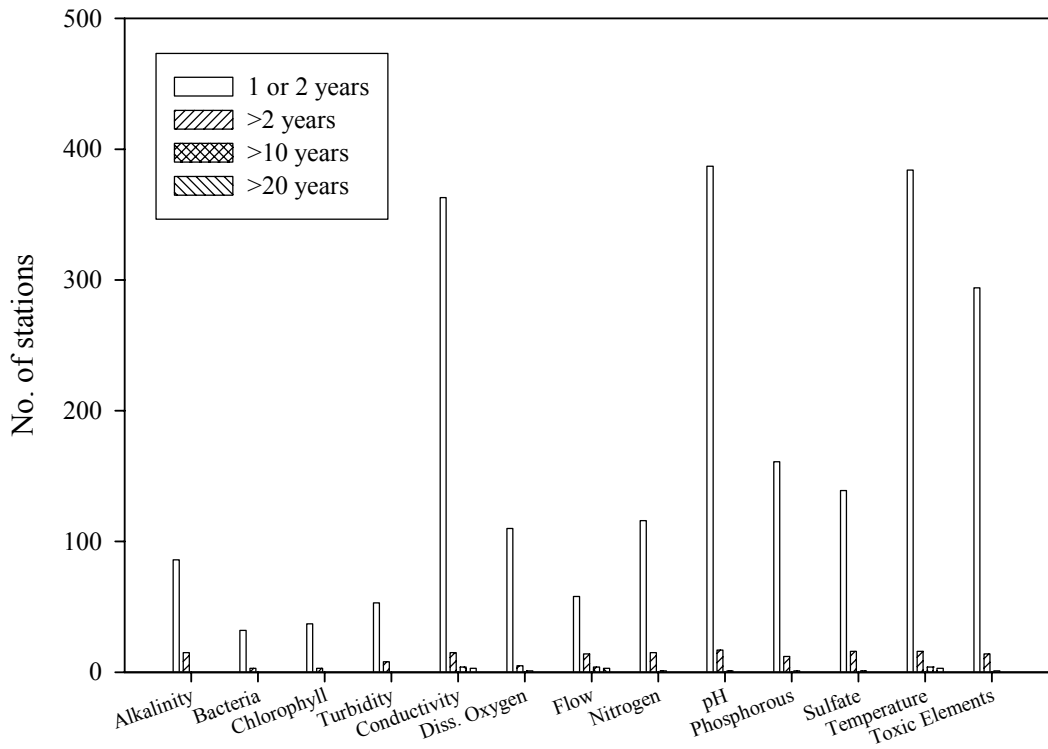
Water quality status and trends along the Snake River were assessed by collating data from sites above and below Jackson Lake, and from near the southern park boundary. The objective was to determine whether Snake River water quality changes through the Park.

Water quality status and trends in the Snake River above Jackson Lake were assessed by combining the data from stations GRTE0611, GRTE0612 and GRTE0624, which are all situated at Flagg Ranch, approximately five miles upstream from Jackson Lake (Figure 3). At this point, the Snake River has a drainage area of 486 square miles. The mean annual discharge is 900 cfs, and the mean annual peak flow is 8,400 cfs. The water quality data available for the Snake River at Flagg Ranch are summarized in Table 3.

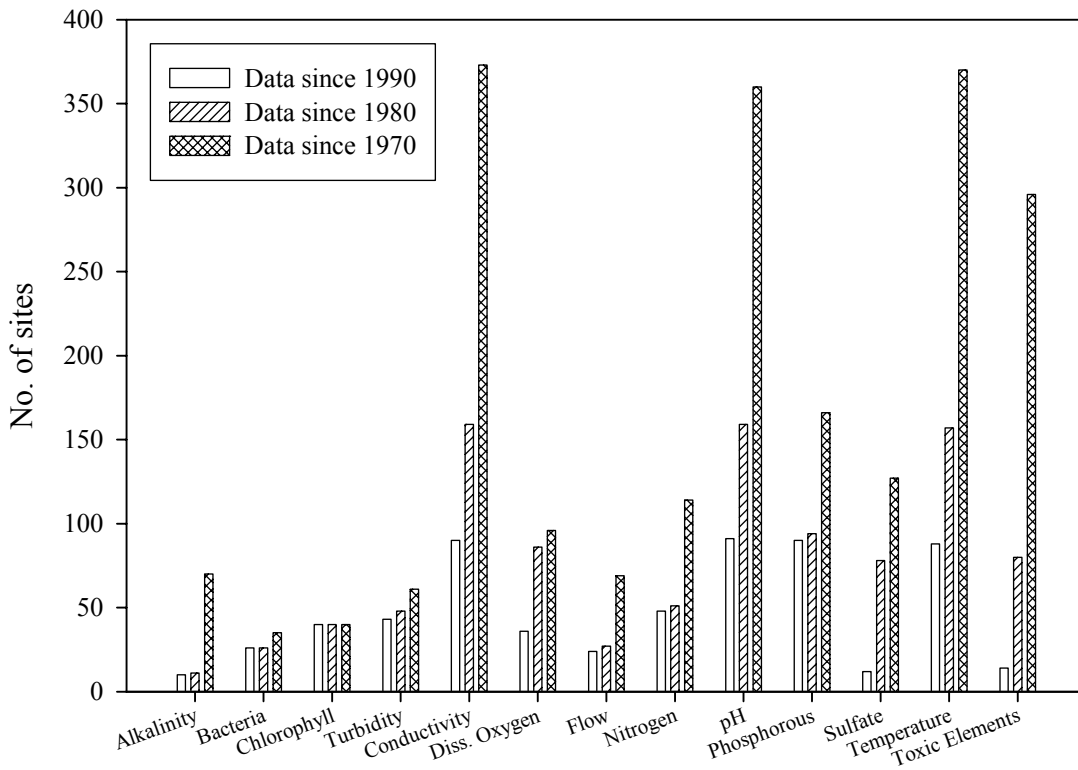
There were no long-term trends in any of the parameters measured in the Snake River at Flagg Ranch (Figures 6 and 7). However, several parameters vary seasonally (Figure 8). The pH has a weak seasonal trend; fall and winter pH values are generally lower than spring and summer values (Figure 8a). Conductivity and total sulfate decline markedly during the high flow months

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<sup>5</sup> Monitoring site names are as indicated in the STORET database. Typographical and other errors have not been corrected.

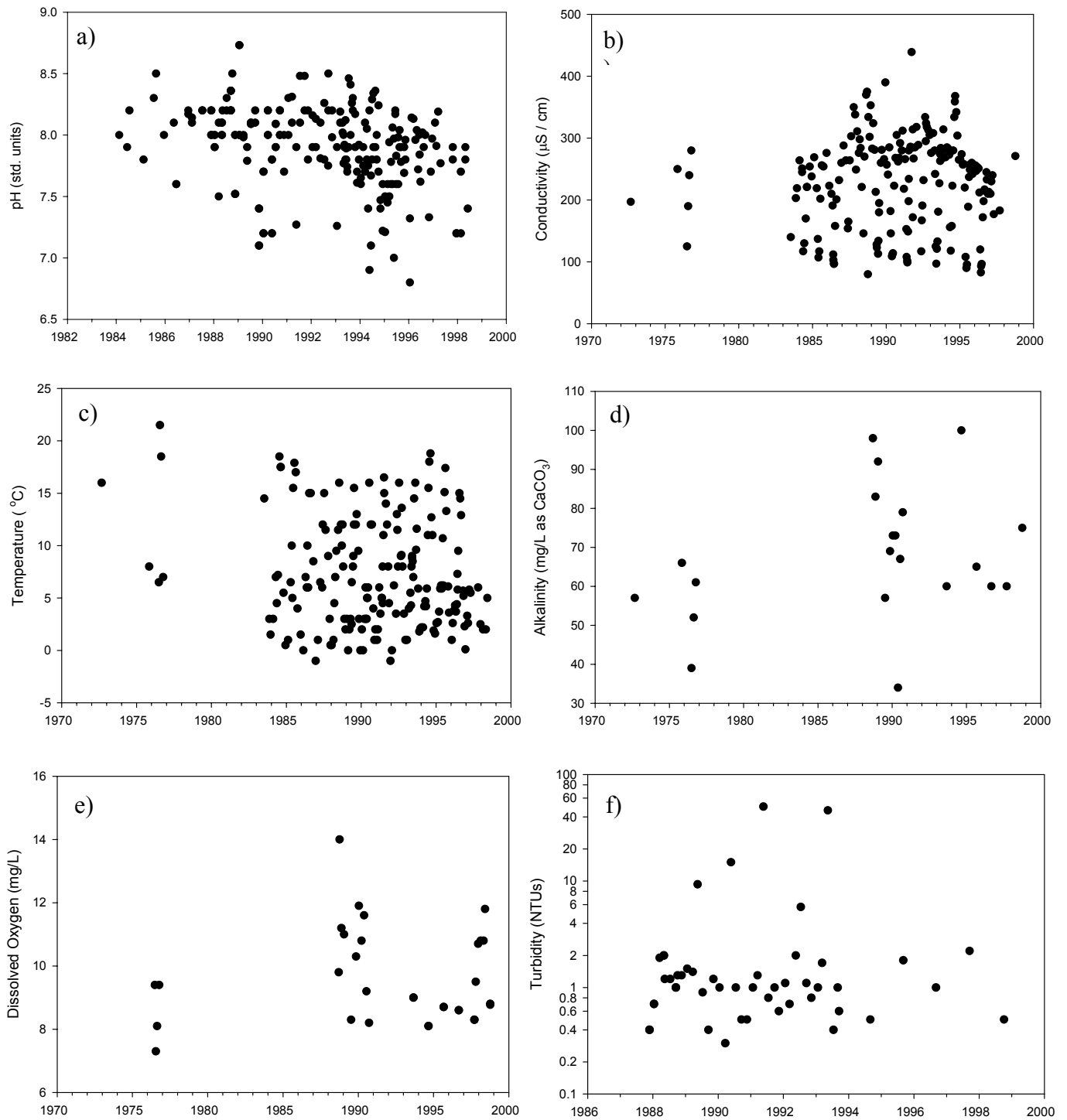


**Figure 4.** Number of sites with 1 or 2 years, more than 2 years, more than 10 years and more than 20 years with data in each parameter group in Snake Headwaters sub-basin. Note that years are not necessarily consecutive.

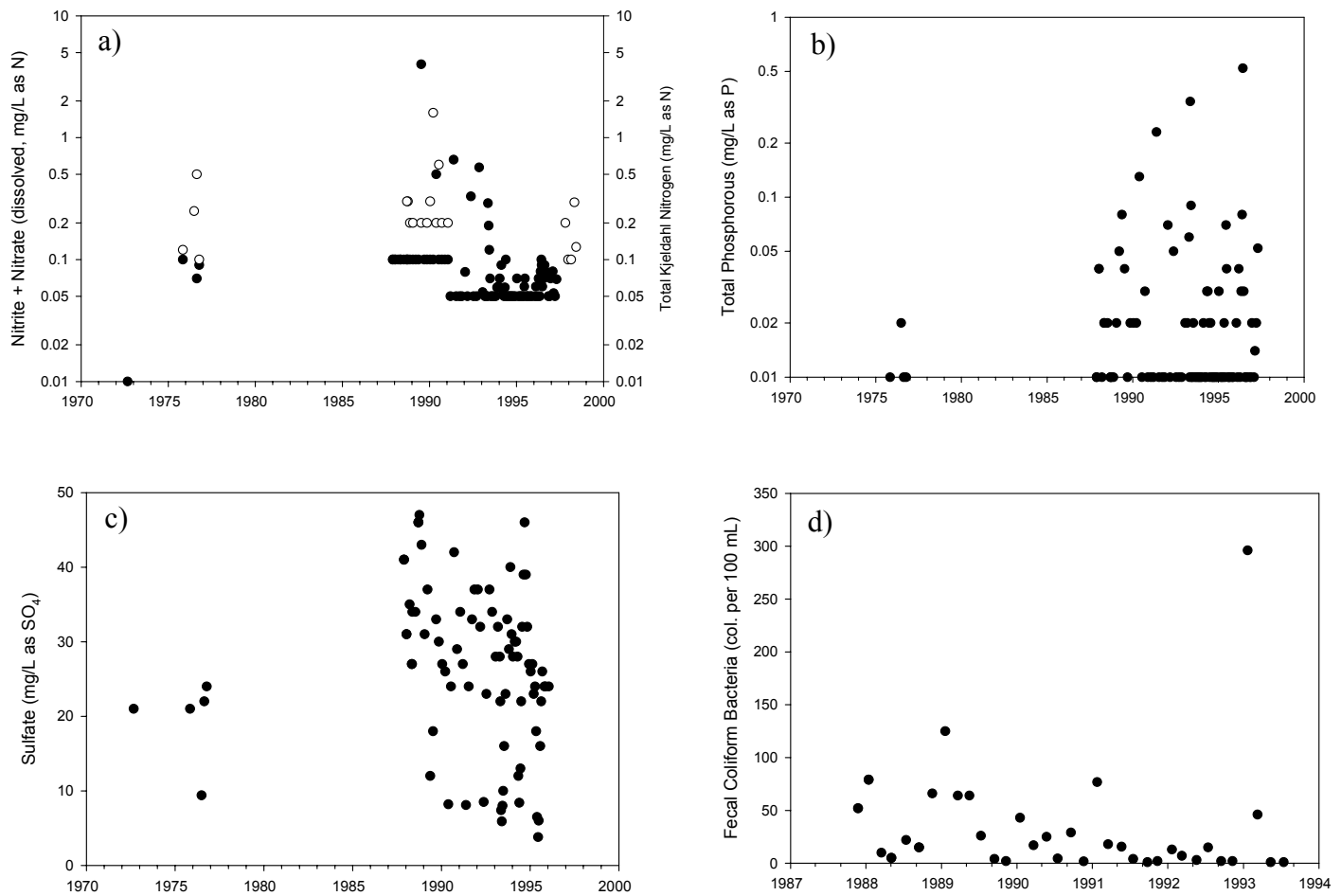


**Figure 5.** Number of sites with data since 1970, 1980 and 1990 in Snake Headwaters sub-basin.

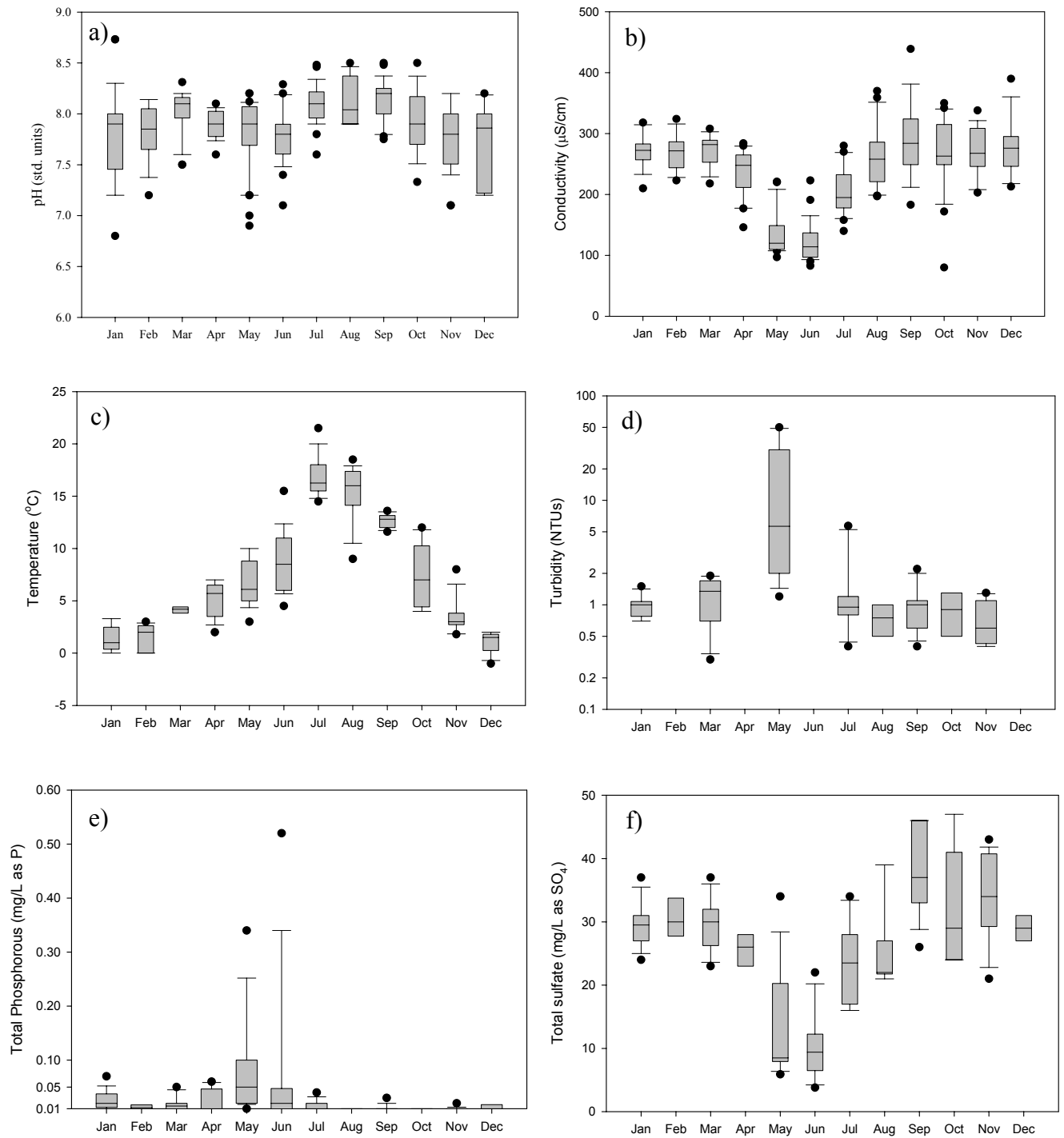




**Figure 6.** Time trend plots for a) pH, b) conductivity, c) temperature, d) alkalinity, e) dissolved oxygen, and f) turbidity in the Snake River at Flagg Ranch (monitoring sites GRTE0611, GRTE0612 and GRTE0624).



**Figure 7.** Time trend plots for a) nitrite plus nitrate (solid circles) and total Kjeldahl nitrogen (open circles), b) total phosphorous, c) total sulfate, and d) fecal coliform bacteria in the Snake River at Flagg Ranch (monitoring sites GRTE0611, GRTE0612 and GRTE0624).



**Figure 8.** Box and whiskers plots of monthly values for a) pH, b) conductivity, c) temperature, d) turbidity, e) total phosphorous, and g) total sulfate in the Snake River at Flag Ranch (monitoring sites GRTE0611, GRTE0612 and GRTE0624).

of May and June, reflecting the dilution effect of snowmelt (Figures 8b and 8f). Temperature has the strongest seasonal variability, and closely tracks the seasonal variation in air temperature (Figure 8c). The highest turbidity and total phosphorous values occur in May during the snowmelt runoff (Figures 8d and 8e), due to increased inputs of eroded soil.

**Table 3.** Summary of water quality data for the Snake River at Flagg Ranch (GRTE0611, GRTE0612, GRTE0624). ‘SD’ is the standard deviation and ‘n’ is the number of samples.

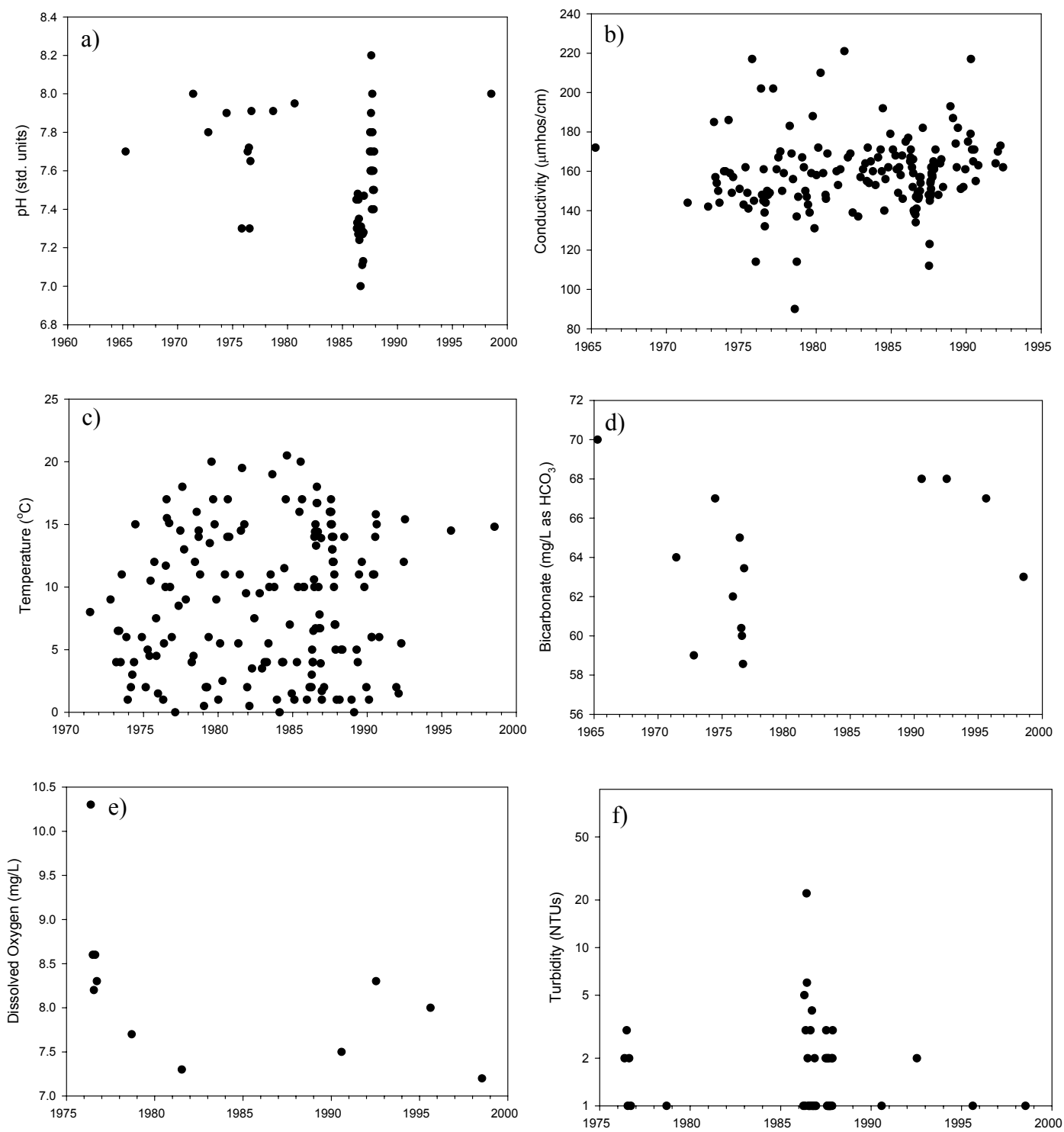
Parameter	Units	Years	Min	Max	Mean	Median	SD	n
pH	std. units	84-88	6.8	8.7	7.9	8.0	0.34	221
Specific conductivity	µmhos/cm	72-98	80	439	230	245	74	225
Temperature	degrees C	72-98	-1.0	21.5	7.2	6.2	5.1	270
Nitrite plus nitrate	mg/L as N	72-97	0.01	4	0.13	0.07	0.40	100
Total Kjeldahl nitrogen	mg/L as N	75-98	0.1	1.6	0.30	0.20	0.32	22
Total phosphorous	mg/L as P	75-97	0.01	0.52	0.03	0.01	0.07	99
Turbidity	NTUs	87-98	0.3	50	3.6	1.0	97	48
Fecal coliform	col./100 mL	87-93	1	296	34	15	52	39
Dissolved oxygen	mg/L	76-98	7.3	14	9.6	9.1	1.5	32
Alkalinity	mg/L as CaCO <sub>3</sub>	72-98	34	100	68	66	17	21
Total sulfate	mg/L as SO <sub>4</sub>	72-96	3.8	47	26.2	27.0	10.8	84

There have been water quality standard violations in the Snake River at Flagg Ranch for bacteria (1 sample) and toxic elements (95 samples). The sample that did not meet bacterial water quality standards was collected in January 1993, and had a fecal coliform count of 296 CFU/100 mL, about 1.5 times the water quality standard. The toxic element parameters for which there have been water quality violations are:

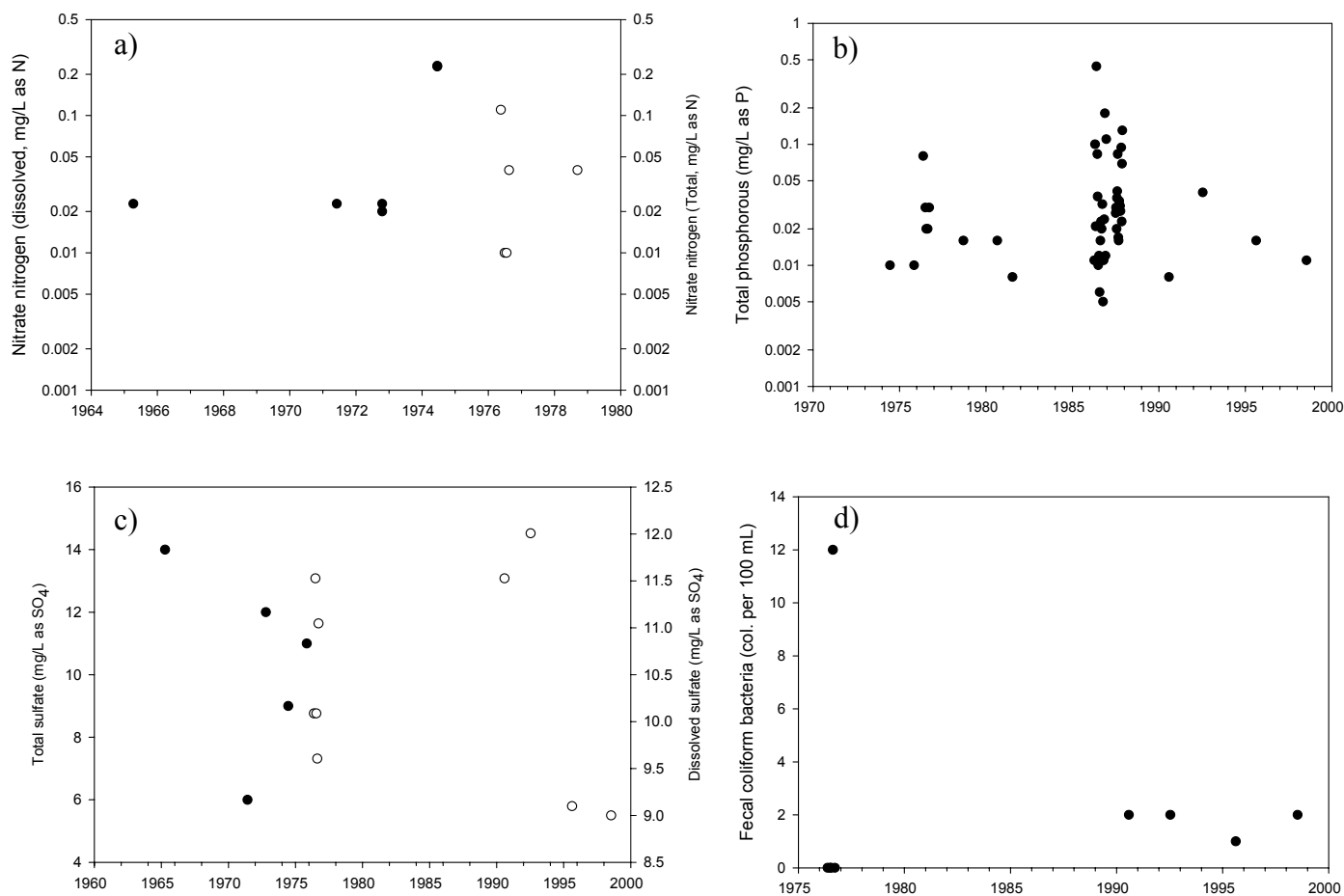
- P, P-DDE, dissolved;
- Dieldrin, dissolved;
- Arsenic, dissolved;
- Arsenic, total;
- Cadmium, dissolved;
- Mercury, dissolved;
- Silver, dissolved;
- Copper, dissolved;
- Lead, dissolved.

Water quality status and trends in the Snake River immediately downstream from Jackson Lake were assessed by combining the data from stations GRTE0388 and GRTE0390. GRTE0388 is near the town of Moran and GRTE0390 is immediately downstream from the Jackson Lake dam. These two stations have data for most of the major parameter groups from as early as 1965 until 1998. The Snake River has a drainage area of 807 square miles at the USGS gaging station at Moran. The mean annual discharge is 1450 cfs, and the mean annual peak flow is 7600 cfs. Water quality data for the Snake River near Moran are summarized in Table 4.

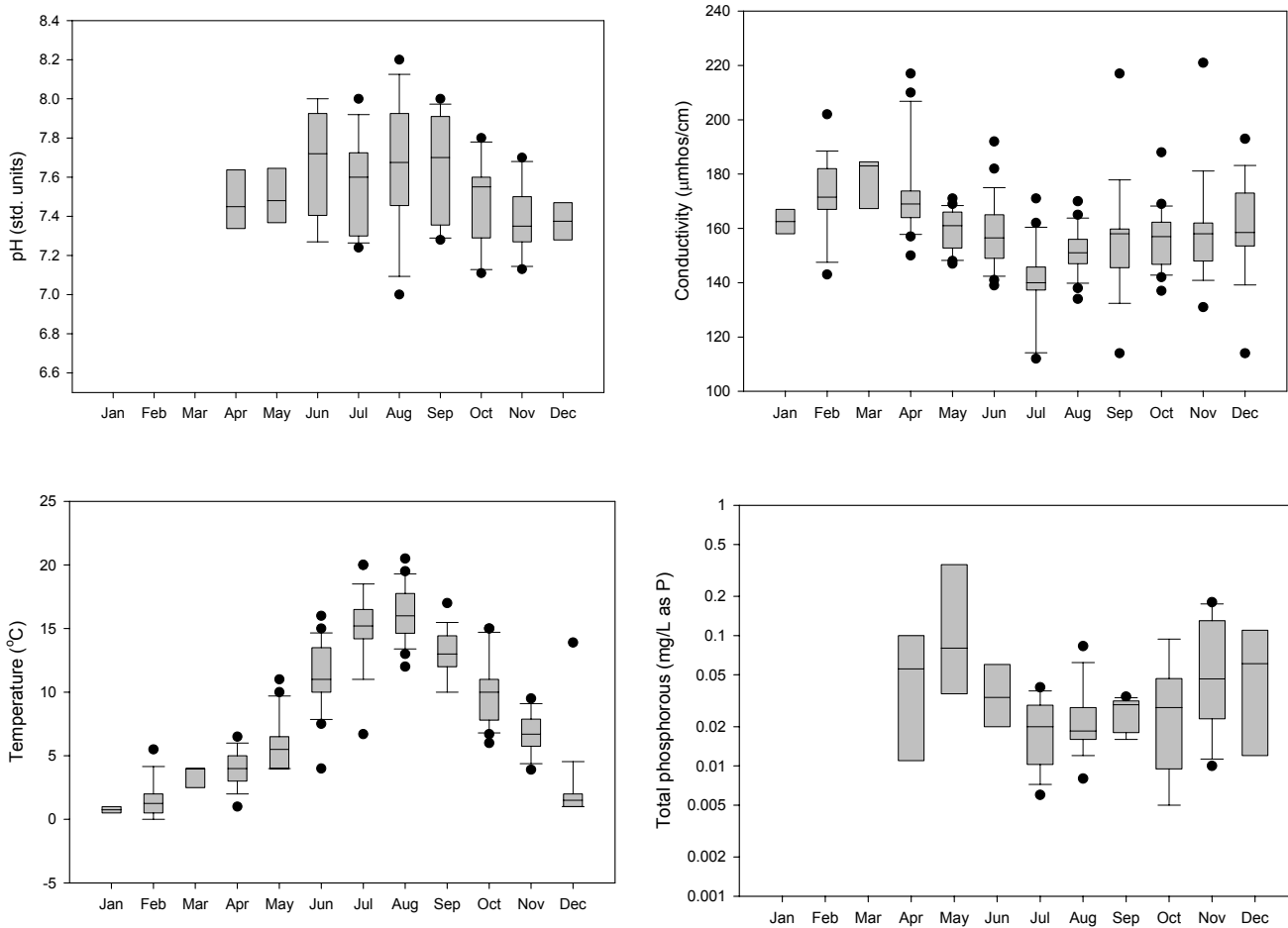
Comparison of the values in Table 4 with those in Table 3 indicates that there are no major differences in water quality between sites upstream and downstream of Jackson Lake. As at Flagg Ranch, there are no long-term trends in any of the parameters measured in the Snake River at Moran (Figures 9 and 10). Only four parameters (pH, conductivity, temperature and total phosphorous) had sufficient data to allow the seasonal variability to be assessed (Figure 11).



**Figure 9.** Time trend plots for a) pH, b) conductivity, c) temperature, d) bicarbonate, e) dissolved oxygen, and f) turbidity in the Snake River at Moran (monitoring sites GRTE0388 and GRTE0390).



**Figure 10.** Time trend plots for a) dissolved nitrate nitrogen (solid circles) and total nitrate nitrogen (open circles), b) total phosphorous, c) total sulfate (solid circles) and dissolved sulfate (open circles), and d) fecal coliform bacteria in the Snake River at Moran (monitoring sites GRTE0388 and GRTE0390).



**Figure 11.** Box and whiskers plots of monthly values for a) pH, b) conductivity, c) temperature, and d) total phosphorous, in the Snake River at Moran (monitoring sites GRTE0388 and GRTE0390).

The seasonal trends in pH and conductivity are considerably weaker than at Flagg Ranch (Figure 8). This is most likely because the annual hydrograph at Flagg Ranch has a distinct peak, whereas the dam-controlled hydrograph at Moran has a longer duration of high flows (Figure 12).

**Table 4.** Summary of water quality data for the Snake River at Moran (GRTE0388 and GRTE0390). ‘SD’ is the standard deviation and ‘n’ is the number of samples.

Parameter	Units	Years	Min	Max	Mean	Median	SD	n
pH	std. Units	65-98	7.0	8.2	7.6	7.6	0.28	50
Specific conductivity	µmhos/cm	76-92	90	221	159	159	18	166
Temperature	degrees C	76-92	0	20.5	8.9	9.0	5.5	173
Dissolved nitrate	mg/L as NO <sub>3</sub>	65-74	0.088	1.01	0.4	0.1	0.47	6
Total nitrate	mg/L as NO <sub>3</sub>	76-80	0	0.04	0.03	0.03	0.04	7
Total Kjeldahl nitrogen	mg/L as N	90-98	0.09	0.14	0.115	0.115	0.02	4
Total phosphorous	mg/L as P	74-98	0.005	0.44	0.044	0.024	0.067	51
Turbidity	NTUs	76-98	1	22	2.1	1	3.2	47
Fecal coliform	col./100 mL	76-98	0	12	2.1	1	3.8	9
Dissolved oxygen	mg/L	76-98	7.2	10.3	8.2	8.2	0.86	11
Alkalinity	mg/L as CaCO <sub>3</sub>	65-98	59	70	64	64	3.7	14
Total sulfate	mg/L as SO <sub>4</sub>	65-75	6	14	10.4	11.0	3.0	5
Dissolved sulfate	mg/L as SO <sub>4</sub>	76-98	9	12	10.4	10.1	1.1	9

The only parameters for which samples from the Snake River at Moran have failed to meet water quality standards are total arsenic and total mercury (Appendix C-5). The highest arsenic concentration was 12 µg/L in July 1992. The mercury concentrations that failed to meet the water quality standard occurred in 1990, 1992, 1995 and 1998. All four samples had a total mercury concentration of 0.2 µg/L. The exceedances for bacteria, pesticides, dissolved arsenic, total cadmium, dissolved mercury, silver, copper and lead recorded in the Snake River at Flagg Ranch were not observed at the Moran site.

Water quality status and trends in the Snake River at the southern boundary of the Park were assessed using the data from station GRTE0100 (Snake River at Moose, Wyoming). This station has the most complete data from along this section of the Snake River, but there are no data for turbidity or bacteria. The Snake River at the USGS gage at Moose has a drainage area of 1677 square miles. The mean annual discharge is 3500 cfs, and the mean annual peak flow is 15900 cfs. Water quality data for the Snake River at Moose are summarized in Table 5.

**Table 5.** Summary of water quality data for the Snake River at Moose (GRTE0100). ‘SD’ is the standard deviation and ‘n’ is the number of samples.

Parameter	Units	Years	Min	Max	Mean	Median	SD	n
pH	std. Units	71-98	7.6	8.7	8.2	8.2	0.25	35
Specific conductivity	µmhos/cm	71-99	113	228	167	174	30	48
Temperature	degrees C	71-98	-0.5	16	6.9	7.0	4.9	35
Nitrite plus nitrate	mg/L as N	71-98	0	0.1	0.056	0.05	0.019	33
Total Kjeldahl nitrogen	mg/L as N	95-98	0.1	0.56	0.22	0.20	0.09	31
Total phosphorous	mg/L as P	95-98	0.01	0.481	0.051	0.012	0.097	32
Turbidity	NTUs	NO DATA						
Fecal coliform	col./100 mL	NO DATA						
Dissolved oxygen	mg/L	95-99	8.0	12.2	10.0	10.1	1.2	45
Alkalinity	mg/L as CaCO <sub>3</sub>	71-73	23	75	57	74	30	3
Total sulfate	mg/L as SO <sub>4</sub>	71-98	5	12	8.8	9.5	2.2	34



Although GRTE0100 is one of the nineteen sites in GRTE with a relatively comprehensive data set, the data are still much more limited than those from the Snake River at Flagg Ranch and at Moran. There are no data at all for turbidity and bacteria, and none of the other parameters has more than 50 measurements (Table 5). This lack of data limits the extent to which trends can be identified and comparisons made with the upstream sites. From the available data, there do not appear to be any temporal trends in any of the parameters measured (Figure 13). There are insufficient data to determine seasonal trends in any parameters except pH, temperature and conductivity (Figure 14). As at the previous sites, the pH has a weak seasonal trend. Conductivity declines during the high flow period, but the decline is prolonged due to the long duration of high flows (Figure 12). Temperature follows the seasonal trend in air temperatures.

Several samples collected from the Snake River at Moose between 1996 and 1999 failed to meet water quality standards for pesticides. Eleven samples had concentrations of dissolved P, P-DDE that exceeded the standard, and twelve samples exceeded the standard for Dieldrin. These same two pesticides were detected at levels above water quality standards at Flagg Ranch, but the Flagg Ranch samples were collected between 1994 and 1997.

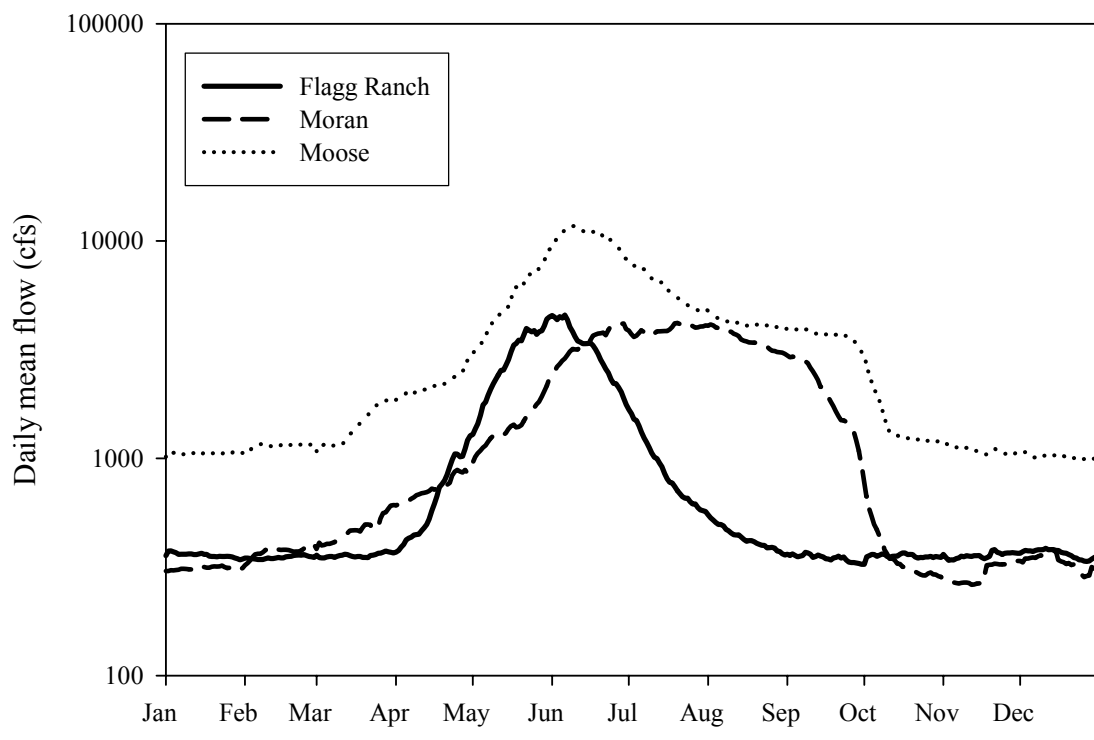
#### *Water quality status and trends - Jackson Lake*

Water quality status and trends in Jackson Lake were assessed using the data from monitoring site GRTE0373 (Jackson Lake 0.4 miles west of dam). This station has the most complete data set of all monitoring sites within the lake, with data from 1976 to 1992 for most major parameters (Table 6).

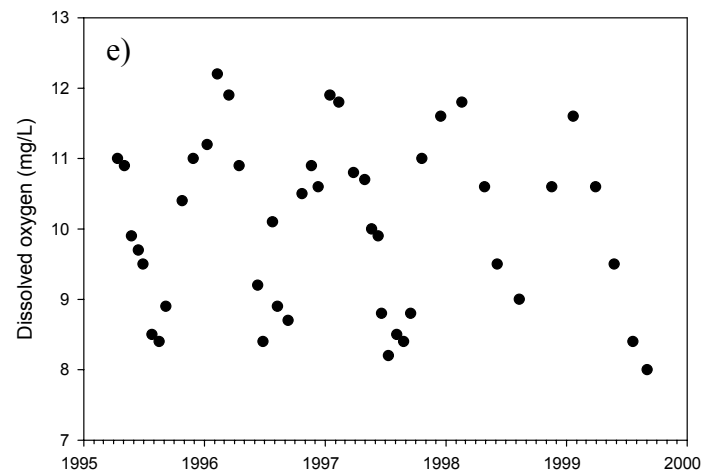
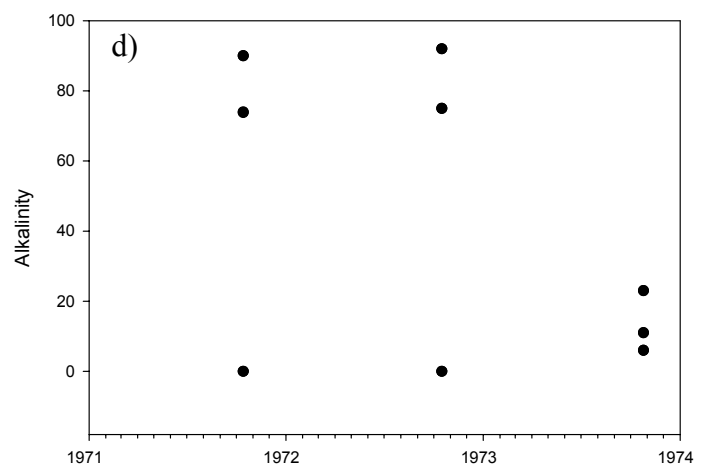
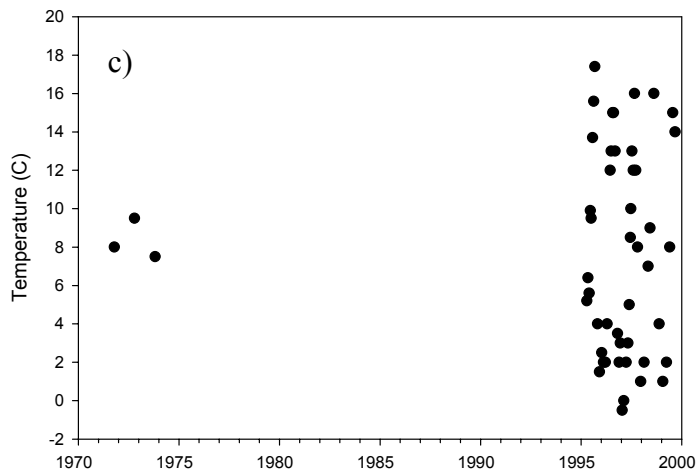
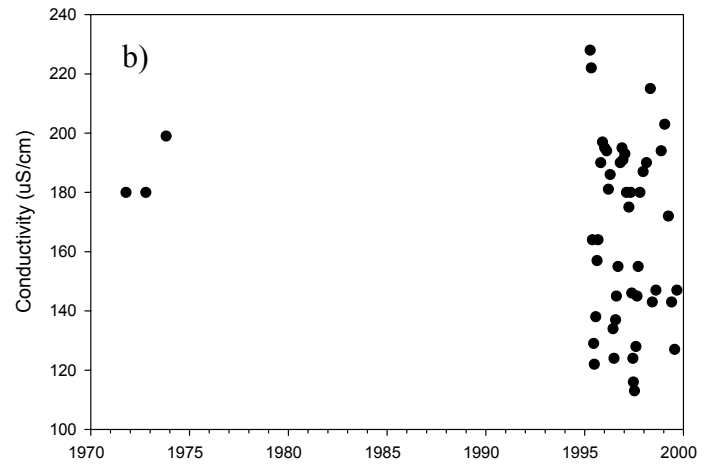
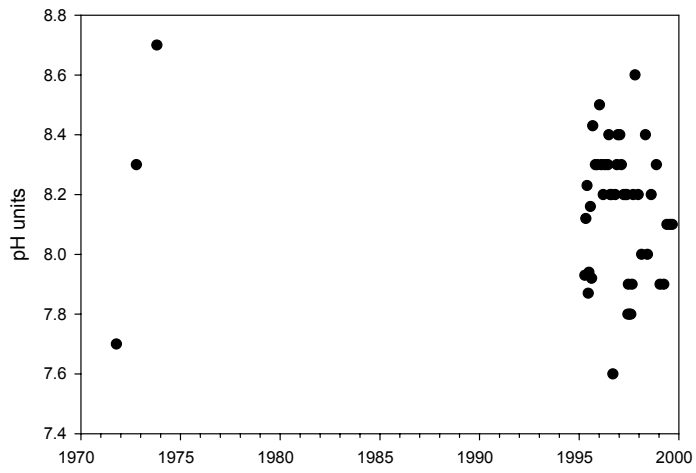
**Table 6.** Summary of water quality data for Jackson Lake 0.4 miles west of dam (GRTE0373). ‘SD’ is the standard deviation and ‘n’ is the number of samples.

Parameter	Units	Years	Min	Max	Mean	Median	SD	n
pH	std. units	76-92	9.1	8.7	7.8	7.8	0.4	104
Specific conductivity	µmhos/cm	76-80	137	156	146	143	7.3	28
Temperature	degrees C	76-92	6.1	21	12.4	13.6	4.3	51
Total Nitrate - N	mg/L as N	76-81	0	0.04	0.02	0.01	0.013	17
Total Kjeldahl nitrogen	mg/L as N	90-92	0.11	0.19	0.125	0.115	0.047	4
Total phosphorous	mg/L as P	76-92	0.007	0.12	0.024	0.012	0.027	21
Turbidity	FTUs	76-92	1	4	1.6	1	0.9	16
Secchi transparency	meters	78-92	4.5	8	6.2	5.8	1.8	5
Fecal coliform	col./100 mL	76-92	0	2	1	1	1.04	14
Dissolved oxygen	mg/L	76-92	6.1	9.7	7.6	7.5	0.6	51
Alkalinity	mg/L as CaCO <sub>3</sub>	76-92	57	70	62	61	4	28
Total sulfate	mg/L as SO <sub>4</sub>	76-92	9.6	13	10.8	11	1.1	14
Chlorophyll-A	mg/L	78-92	0.7	1.92	1.09	0.92	0.47	10

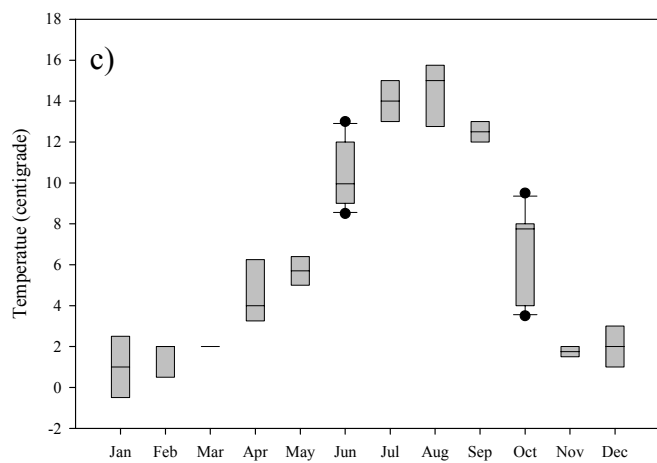
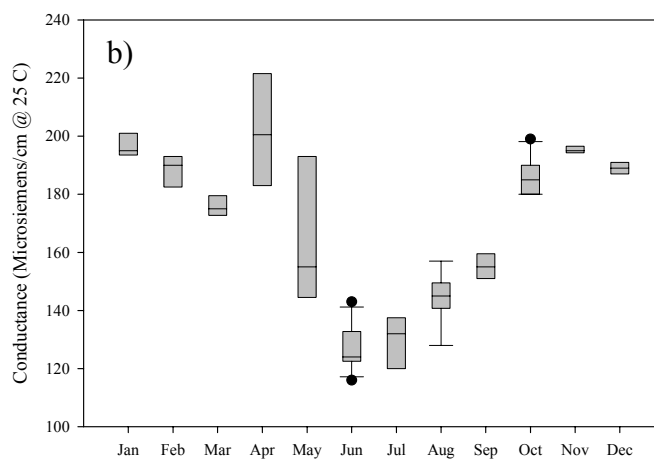
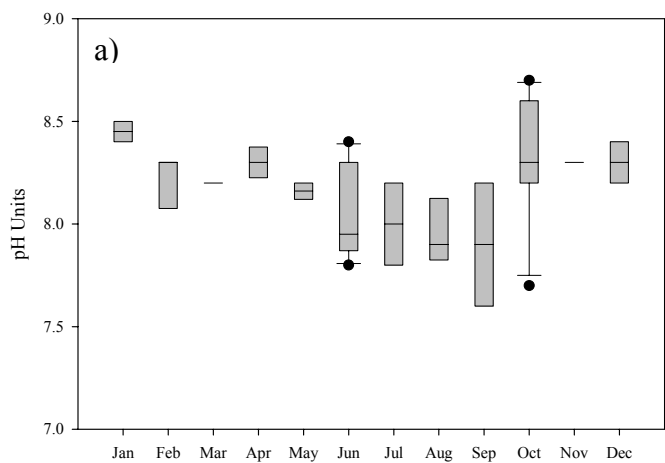
Several of the parameters measured at GRTE0373 have weak temporal trends (Figures 15 and 16). The pH values measured in the 1990s are approximately 0.5 units higher than the values measured during most of the 1970s and early 1980s (Figure 15a). The alkalinity, based on the bicarbonate concentration, increased by approximately 10 mg/L between the mid 1970s and the 1990s (Figure 15d). Secchi transparency declined from 8 meters in the late 1970s to just over 4 meters in the early 1990s (Figure 15f). Dissolved sulfate increased by approximately 2 mg/L between the 1970s and the early 1990s. With the exception of pH, these trends are based on a limited number of data points. Annual sampling over several years would be required to determine whether the trends are real.



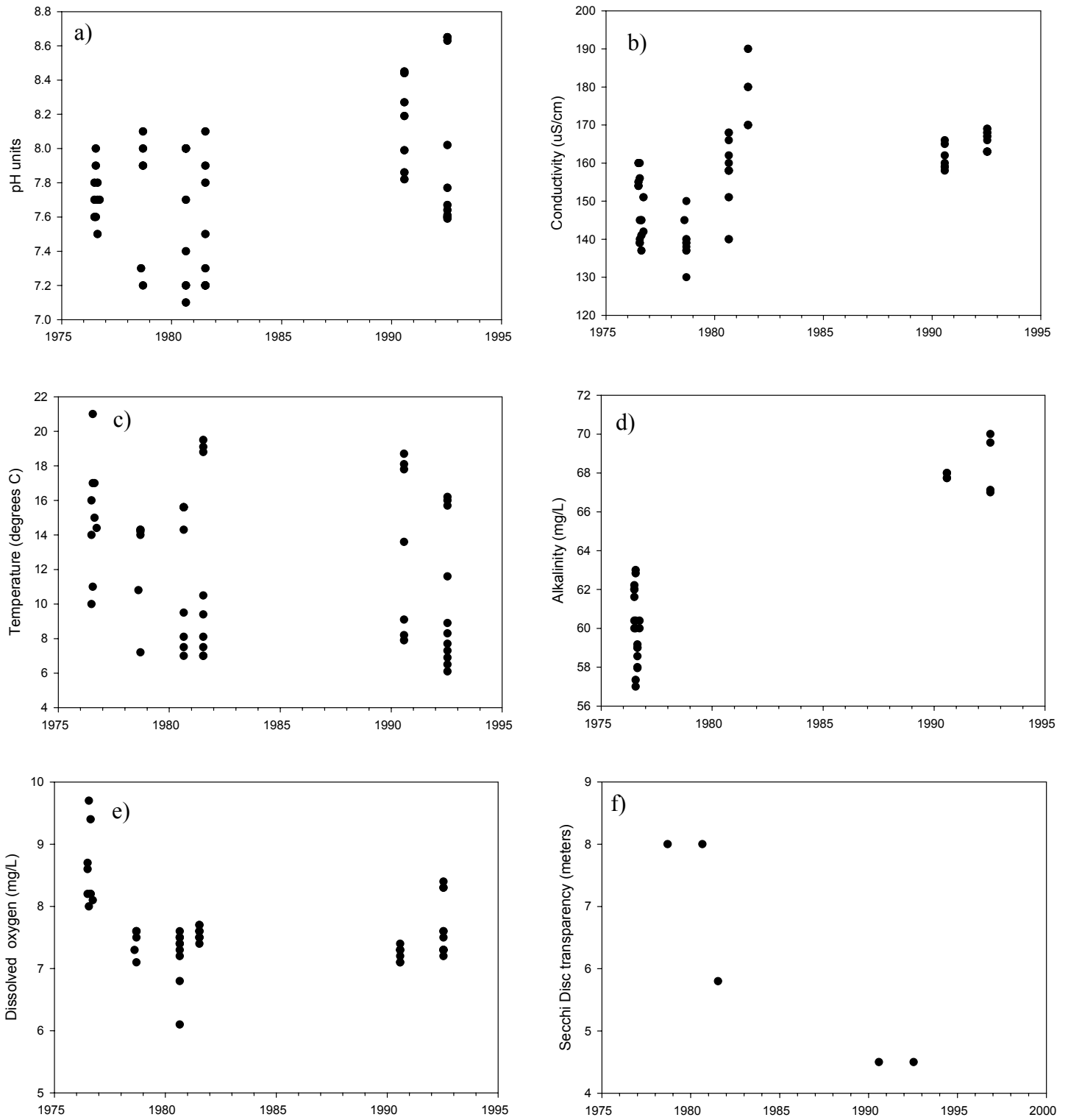
**Figure 12.** Mean annual hydrographs based on daily mean flows in the Snake River at Flag Ranch, Moran and Moose Wyoming.



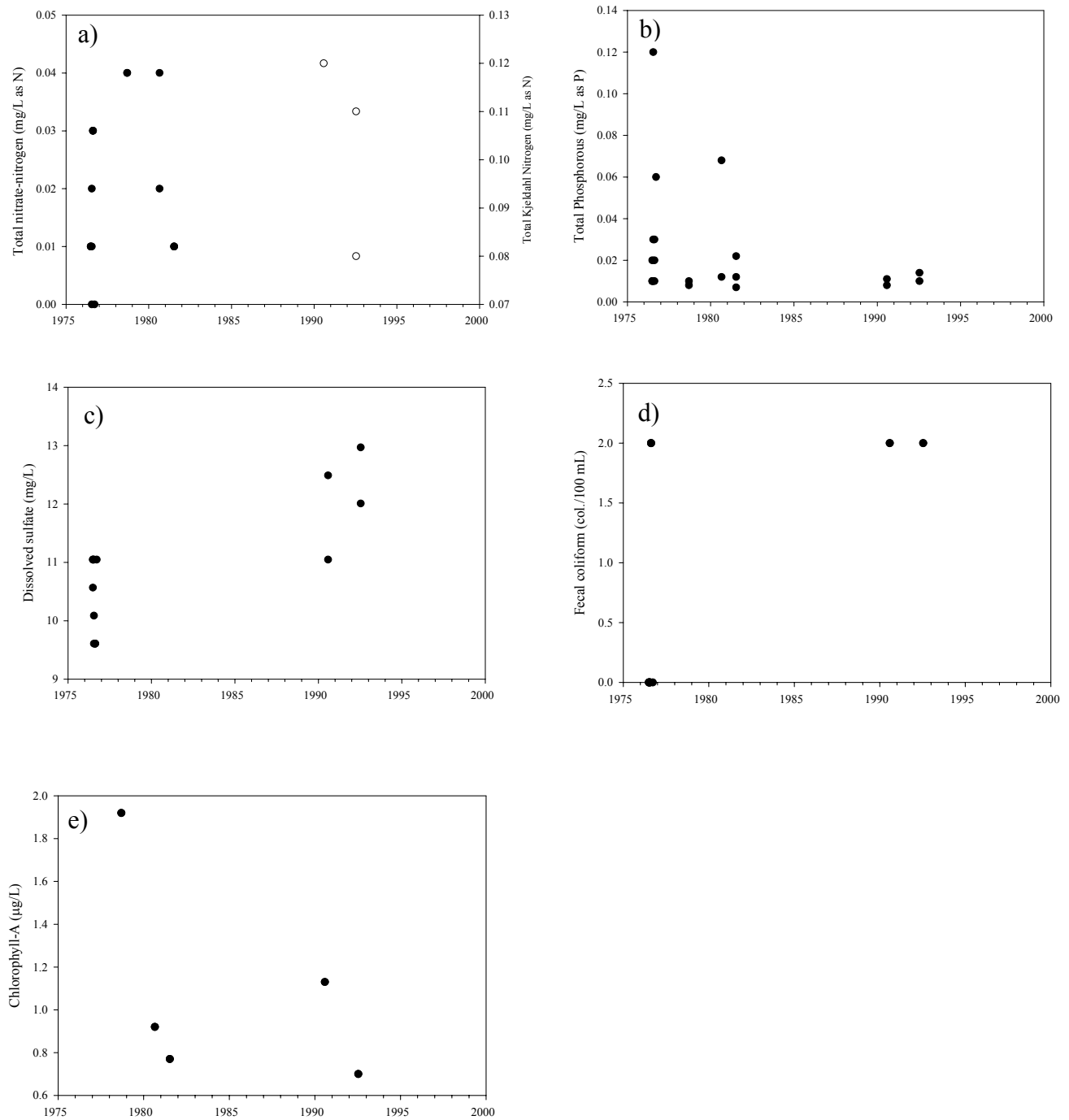
**Figure 13.** Time trend plots for a) pH, b) conductivity, c) temperature, d) alkalinity, and e) dissolved oxygen in the Snake River at Moose (monitoring site GRTE0100).



**Figure 14.** Box and whiskers plots of monthly values for a) pH, b) conductivity, and c) temperature, in the Snake River at Moose (monitoring site GRTE0100).



**Figure 15.** Time trend plots for a) pH, b) conductivity, c) temperature, d) alkalinity, e) dissolved oxygen, and f) Secchi Disc transparency in Jackson Lake 0.4 miles west of the dam (GRTE0373).



**Figure 16.** Time trend plots for a) total nitrate nitrogen (solid circles) and total Kjeldahl nitrogen (open circles), b) total phosphorous, c) dissolved sulfate, d) fecal coliform and e) chlorophyll-A in Jackson Lake 0.4 miles west of the dam (GRTE0373).

Two sets of samples collected from Jackson Lake at GRTE0373 failed to meet water quality standards for total arsenic and total mercury. The samples were collected in August 1990 and July 1992 (Appendix C-5).

#### *Basin-wide comparison with water quality standards*

There were 417 data records from 216 sites in the Snake Headwaters Sub-basin where the parameter value did not meet water quality standards (Table 2 and Appendix C-5). The parameter values that failed to meet water quality standards were in the bacteria (8 samples), turbidity (11 samples), dissolved oxygen (30 samples), nitrogen (1 sample), pH (205 samples), sulfate (3 samples) and toxic elements (159 samples) parameter groups.

Water quality standard violations for bacteria (fecal and/or total coliform) have occurred at the following six sites (Figure 17):

- GRTE0346 (Signal Mountain effluent at SM5, near 9a99);
- GRTE0436 (Inlet, Swan Lake);
- GRTE0439 (Swan Lake);
- GRTE0463 (Cygnet Pond);
- GRTE0612 (Snake River ab Jackson Lake at Flaggh9999);
- GRTE0681 (unnamed site).

The earliest recorded violation was at GRTE0681 in 1970, and the most recent violation was at GRTE0346 in 1998. The highest total coliform value recorded was 3000 MPN/100 mL at GRTE0346 in 1995. This site also had the highest recorded fecal coliform value of 380 MPN/100 mL. Given that there have been exceedances for bacteria for Swan Lake, and since Swan Lake lies in close proximity to the sewage disposal ponds at Colter Bay Village, sampling for bacteria at Swan Lake should be included in future monitoring efforts.

There are five sites in the Snake Headwaters sub-basin where one or more samples have exceeded water quality standards for clarity/turbidity (Figure 18):

- GRTE0298 (Spread Creek above US Hwy 187, near Elk, WY);
- GRTE0303 (Spread Creek nr Moran WY);
- GRTE0316 (Spread Ck. Below US Hwy 187, near Elk, WY);
- GRTE0384 (Jackson Lake, 700 ft U/S of dam, south bank);
- GRTE0681 (unnamed site).

The most recent violations were at the three sites along Spread Creek in June 1990. The highest recorded turbidity value was 650 FTUs at GRTE0298 along Spread Creek in June 1990. Based on these data, Spread Creek is the only water body in GRTE where clarity/turbidity could be an issue of concern.

There are twelve sites where one or more samples had dissolved oxygen levels below the designated standard of 4 mg/L. However, five of these sites are in wetlands, where low dissolved oxygen levels occur naturally, three are in small ponds, and one is at an effluent outlet (Figure 19):

- GRTE0168 (Bradley Lake, Lake #GR11);

- GRTE0241 (Hedrick Wetland);
- GRTE0336 (Snake River wetland);
- GRTE0346 (Signal Mountain effluent at SM5, near 9a99);
- GRTE0366 (Approx. 0.5 miles East of Signal Mountain Cg. Pond #Va60);
- GRTE0367 (Signal Mountain wetland);
- GRTE0375 (Tracy Lake Northeast of Jackson, WY);
- GRTE0391 (Lozier Wetland);
- GRTE0428 (Emma Matilda Lake Station #3 NE of Jackson WY);
- GRTE0483 (Approx. 2 miles Northwest of Talus Lake Pond #Wb10);
- GRTE0511 (Ak Ranch wetland);
- GRTE0518 (Approx 1/3 mile SE of Sargent Bay, Pond # Va10).

The most notable water quality violations for dissolved oxygen (DO) are from Bradley Lake in 1982, when DO values of 0 and 1.4 mg/L were recorded in June and July, respectively. A DO concentration of 3.3 mg/L in Tracy Lake is attributed in STORET to a sample collected 08/22/47. It is likely, however, that the date was erroneously entered into STORET, and that this sample was collected in 1974. Although there have only been a handful of exceedances for DO, it is critical that long-term declines in DO be identified. Sampling for dissolved oxygen in Bradley Lake, Tracy Lake and other potentially vulnerable lakes should be conducted as part of future monitoring efforts.

The only water quality violation for nitrogen in the Snake Headwaters sub-basin was a nitrate plus nitrite total of 24 mg/L at GRTE0687 in 1975 (Figure 20). Given the large number of sites that have been sampled for nitrogen compounds, nitrogen based compounds are likely not an issue of concern in the Snake Headwaters sub-basin now. However, since there are several potential nitrogen sources within the Park, including waste disposal facilities and grazing lands, monitoring for nitrogen-based compounds is an important element of future monitoring.

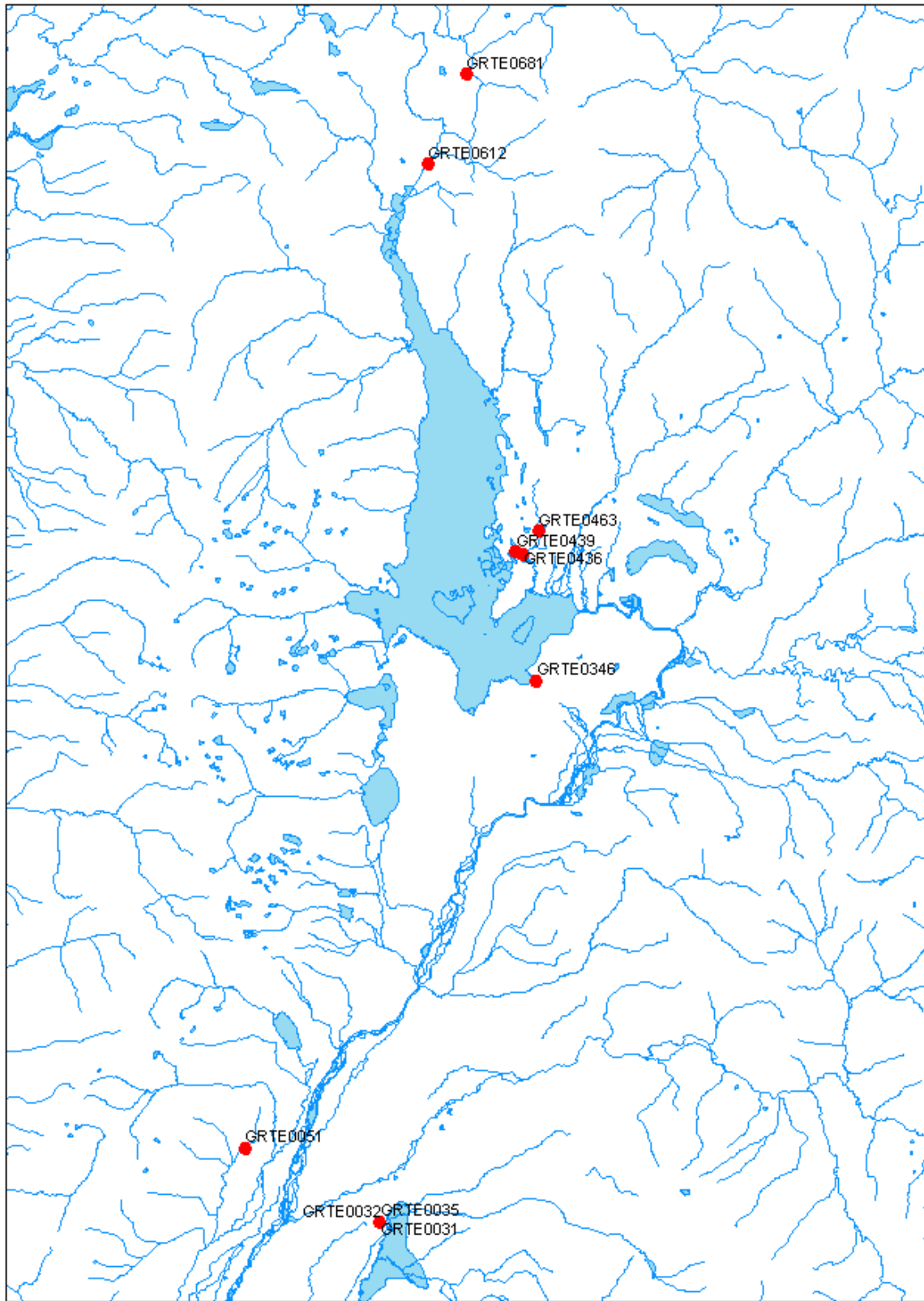
The pH has been outside the acceptable range on one or more occasions at 156 sites in the Snake Headwaters sub-basin (Figure 21 and Appendix C-5). Eight of the pH values recorded at these sites appear to be erroneous, because they are outside the range of pH that occurs in natural waters. For example, a pH of 27.8 was recorded for GRTE0337 on 08/16/96. The erroneous values are flagged in Appendix C-5. Of the remaining 197 values, 192 are below the screening criteria level of 6.5. Most values are in the range 6 to 6.5, but pH values as low as 4.5 have been recorded. Virtually all of the pH values below 6.5 are recorded in August or September. The highest non-erroneous pH value was 9.7, recorded at GRTE0406 in 1995. Given the widespread distribution of sites where pH has fallen outside of the specified range, it appears that low pH values are a natural characteristic of the waters of GRTE.

There have been three samples from three locations where water quality standards for total sulfate were not met (Figure 22). The sites were:

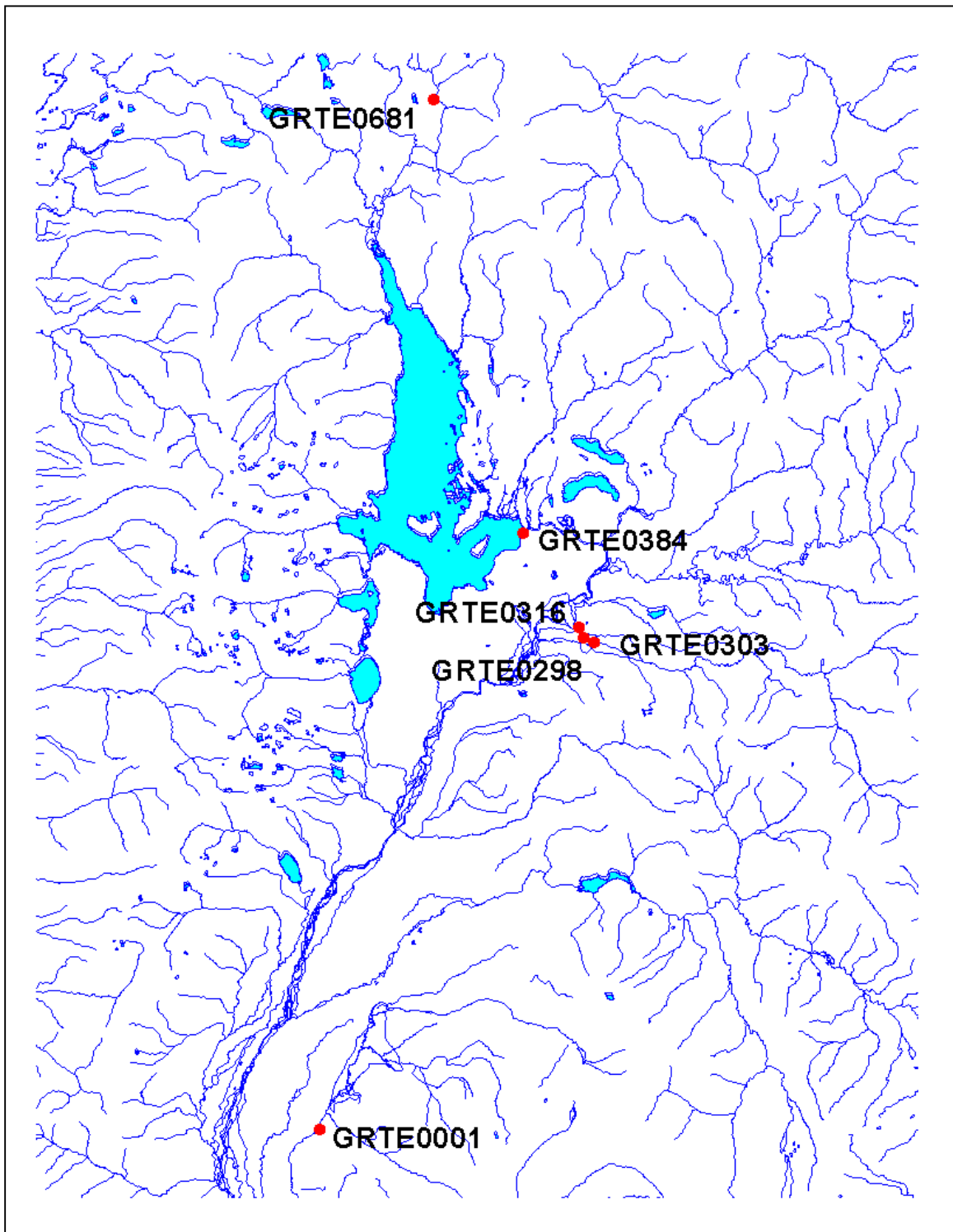
- GRTE0531 (T46NR115W17BBA1S)
- GRTE0533 (T46NR115W08CDC1S)
- GRTE0536 (T46NR115W08CCA1S)

These sites are identified as springs. The site names represent township and range coordinates for the sites. These were the only samples collected from the three sites, so it is not possible to determine whether or not these results are representative.

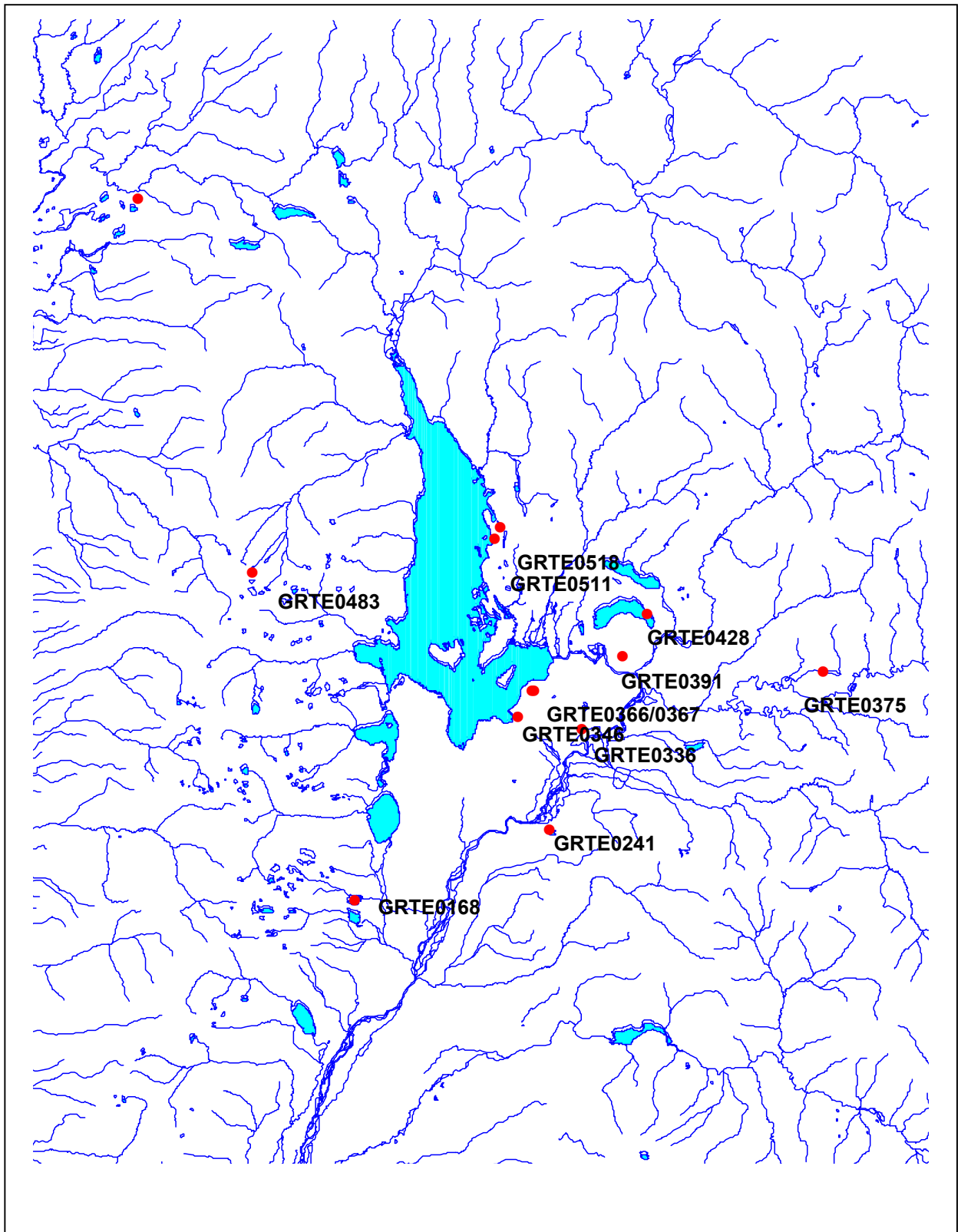




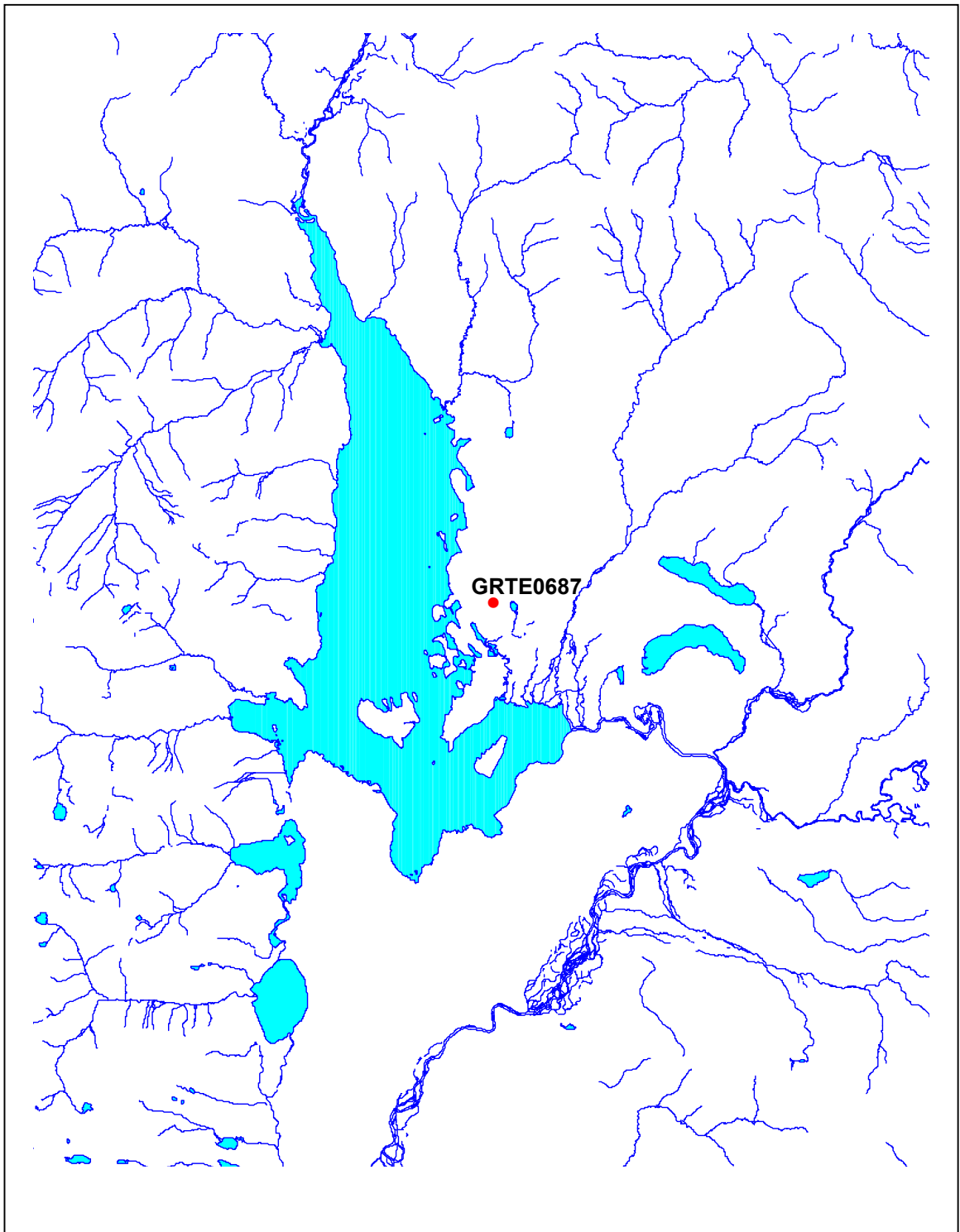
**Figure 17.** Location map for sampling sites at Grand Teton National Park with water quality exceedances for bacteria.



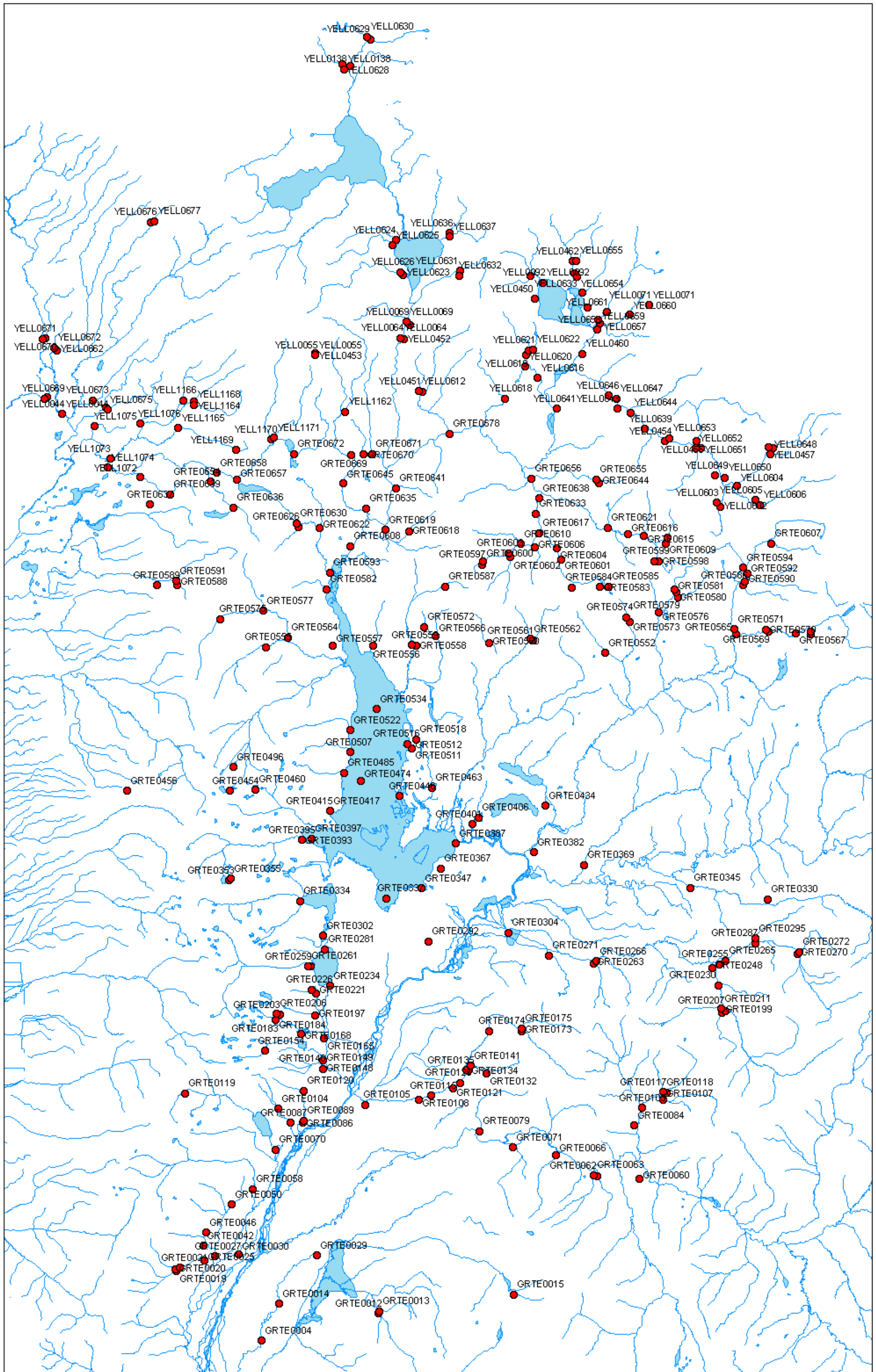
**Figure 18.** Location map for sampling sites at Grand Teton National Park with water quality exceedances for turbidity.



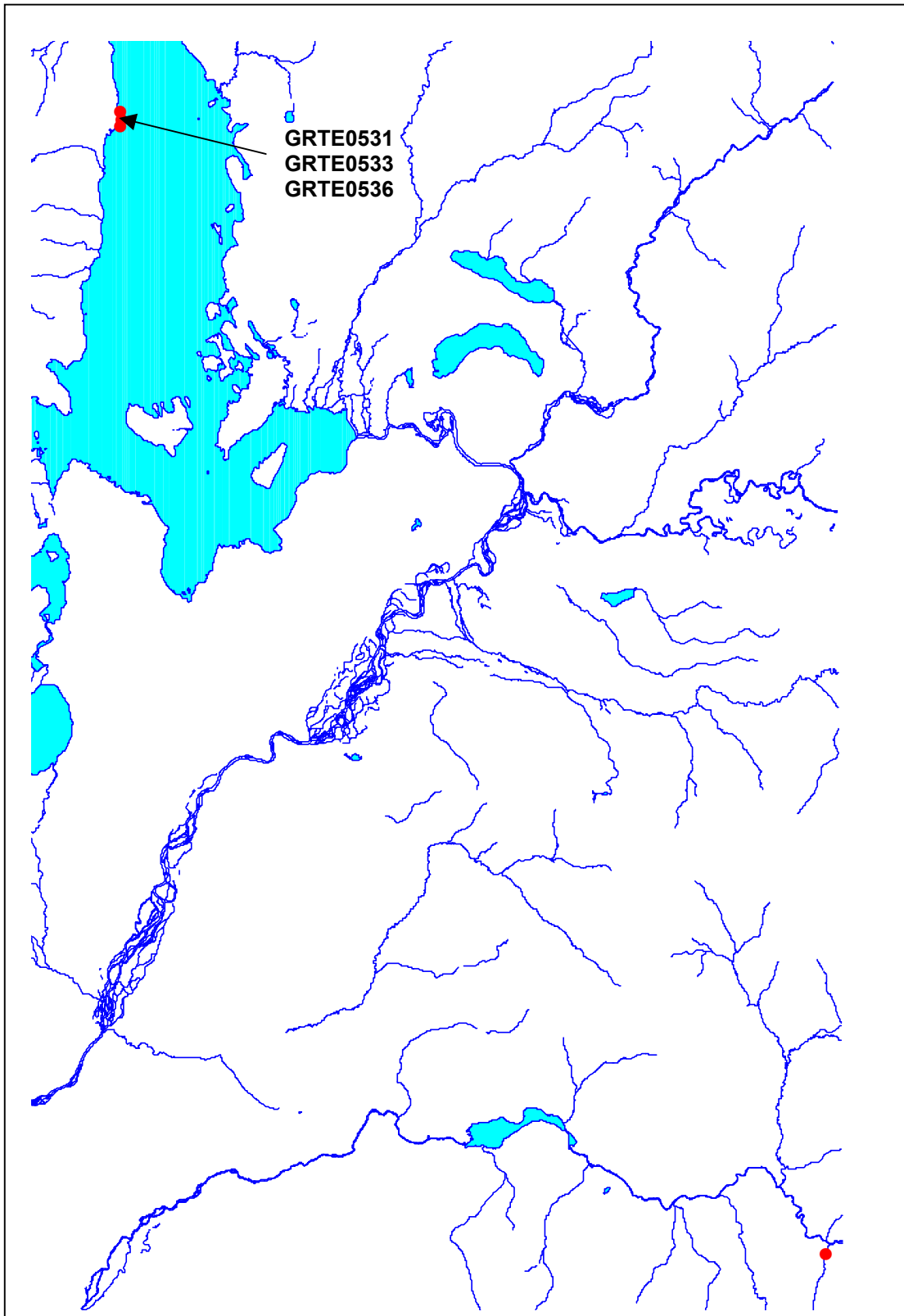
**Figure 19.** Location map for sampling sites at Grand Teton National Park with exceedances for dissolved oxygen.



**Figure 20.** Location map for sampling sites at Grand Teton National Park with exceedances for nitrogen based compounds.

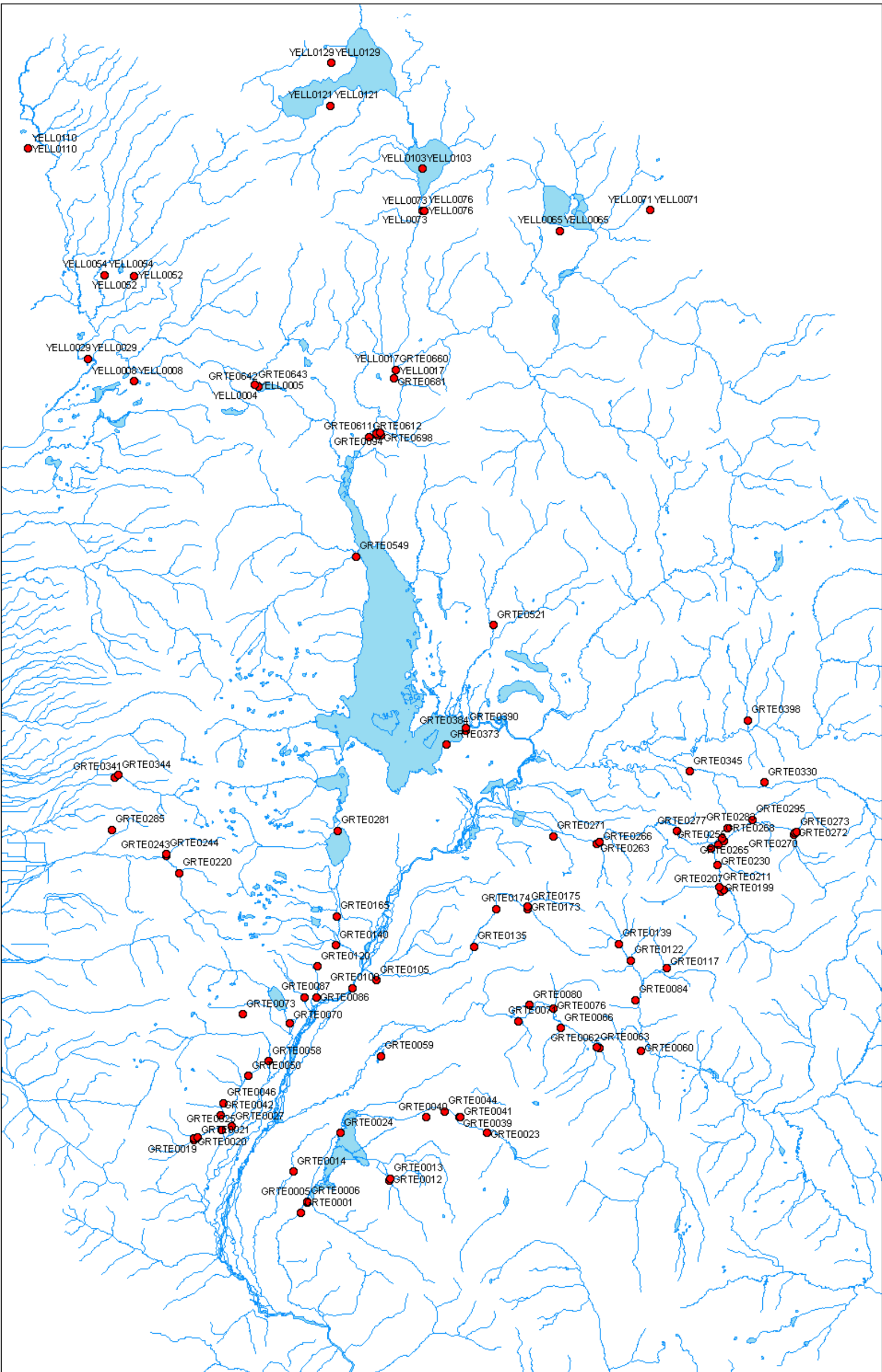


**Figure 21.** Location map for sampling sites at Grand Teton National Park with exceedances for pH. Sample location numbers are listed in the text.



**Figure 22.** Location map for sampling sites at Grand Teton National Park with exceedances for sulfate.





**Figure 21.** Location map for sampling sites at Grand Teton National Park with exceedances for toxic elements. Sample location numbers are listed in the text.

There have been water quality violations for the following pesticide parameters at three sites in the Snake Headwaters (Figure 23):

- P, P-DDE, dissolved (2 sites);
- Dieldrin, dissolved (2 sites);
- DDE, whole water (1 site);
- DDT, whole water (1 site).

The exceedances for P,P-DDE and Dieldrin were recorded from the Snake River at Flagg Ranch (GRTE0612) and at Moose (GRTE0100) in the late 1990s. The fact that these exceedances were noted at Flagg Ranch indicates that the source lies upstream from GRTE. Monitoring for pesticides should be considered an important element of future water quality monitoring in the Snake River at GRTE. The exceedances for DDE and DDT were from a single sample collected at GRTE0681 in July 1970.

Exceedances for the following metals have been recorded periodically from 21 sites in the Snake River headwaters (Figure 23 and Appendix C-5):

- Arsenic, dissolved (8 sites);
- Arsenic, total (4 sites);
- Cadmium, dissolved (5 sites);
- Mercury, dissolved (9 sites);
- Mercury, total (3 sites);
- Silver, dissolved (8 sites);
- Nickel, dissolved (1 site);
- Copper, dissolved (10 sites);
- Lead, dissolved (1 site);
- Zinc, dissolved (9 sites).

The most prolific metals exceedances are from the Snake River at Flagg Ranch (GRTE0611 and GRTE0612). There were periodic exceedances for dissolved and total arsenic, dissolved copper, dissolved lead and dissolved mercury at this location from the mid 1980s until the early 1990s. Future water quality monitoring should therefore include metals analysis for samples collected along the Snake River.

### **3.2 GROS VENTRE SUB-BASIN**

#### *Summary of available data*

Water quality data have been collected at 32 sites in the Gros Ventre Sub-basin (Figure 24). There are data for all of the major parameter groups except for bacteria, chlorophyll and turbidity (Table 7 and Appendix D-1). The number of records per parameter group ranges from thirteen for dissolved oxygen to 1207 for toxic elements. The number of sites with data ranges from two for dissolved oxygen data to thirty for pH and toxic elements data. There are just two monitoring sites in this sub-basin – GRTE0037 (Gros Ventre River near Zenith, WY) and GRTE0074 (Lower Slide Lake northeast of Jackson, WY) – with data for more than 2 years for



more than one parameter group ((Appendix D-2 and Figure 25). GRTE0037 has 11 years of temperature, conductivity and flow data, as well as one year of alkalinity, pH, nitrogen, phosphorous, sulfate and toxic elements data. GRTE0074 has three years of alkalinity, sulfate and toxic elements data, as well as two years of dissolved oxygen, nitrogen and phosphorous data. Neither of these data sets is sufficient to allow long-term trends to be identified.

**Table 7.** Summary statistics for data records in Gros Ventre Sub-basin. (See appendices D-1 through D-5 for detailed information).

		Alkalinity	Bacteriological	Chlorophyll	Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorus	Sulfates	Temperature	Toxic Elements
Total no. of data records		57	0	0	0	144	13	105	43	76	53	73	143	1207
No. of sites with data	Total	10	0	0	0	26	2	7	8	30	22	10	27	30
	from 1 or 2 years	9	0	0	0	25	2	6	8	29	22	9	26	29
	for > 2 years	1	0	0	0	1	0	1	0	1	0	1	1	1
	for >10 years	0	0	0	0	1	0	1	0	0	0	0	1	0
	For > 20 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Most recent year with data		1974	-	-	-	1996	1973	1997	1973	1976	1997	1974	1996	1976
Water quality violations	No. of sites	-	-	-	-	-	-	-	-	11	-	1	-	6
	No. of records	-	-	-	-	-	-	-	-	11	-	1	-	9

The most recent data for any parameter group are phosphorous and flow data from GRTE0047 (Gros Ventre River at Hwy. 89) in 1997. There are also conductivity, temperature and flow data from 1996 for GRTE0037. However the most recent data for the other parameter groups with data are from the mid 1970s (Figure 26 and Appendix D-3). Summary statistics for all site / water quality parameter combinations in the Gros Ventre Sub-basin are tabulated in Appendix D-4.

*Basin-wide comparison with water quality standards*

There were 21 data records from 13 sites in the Gros Ventre Sub-basin where the parameter value did not meet water quality standards (Table 7 and Appendix D-5). The parameter values that failed to meet water quality standards were in the pH (11 samples), sulfate (1 sample) and toxic elements (9 samples) parameter groups. The eleven samples that did not meet water quality standards for pH were all collected from different sites in September 1976. All except one of these samples had a pH between 6.1 and 6.4.

# Legend

- Sampling Sites
- Lakes
- Streams and Rivers

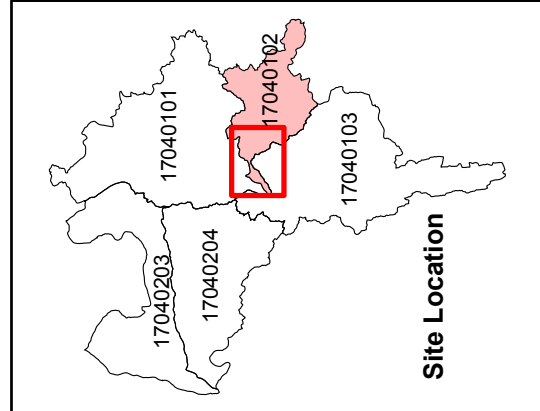
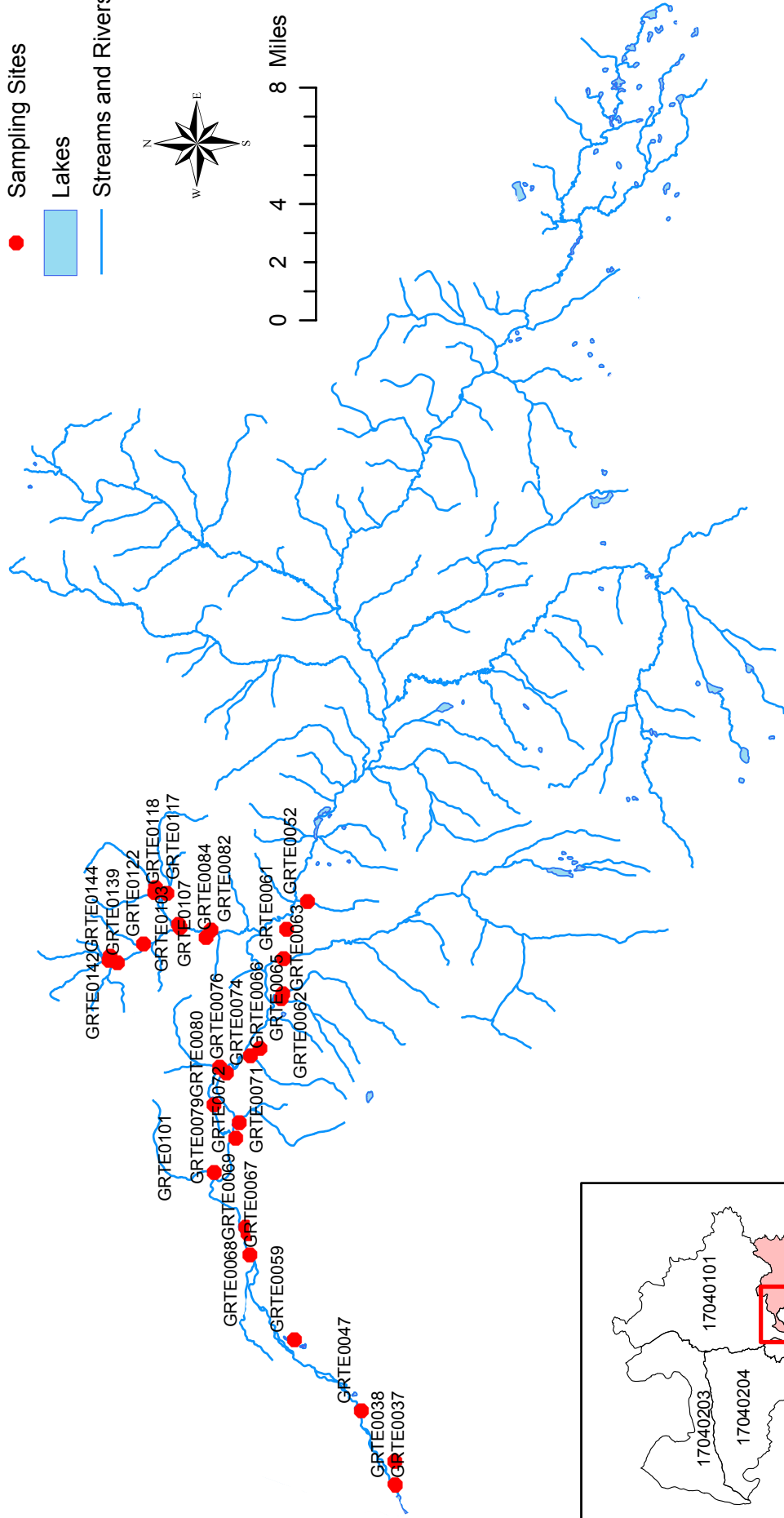
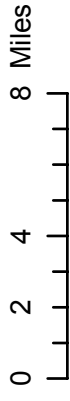
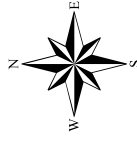
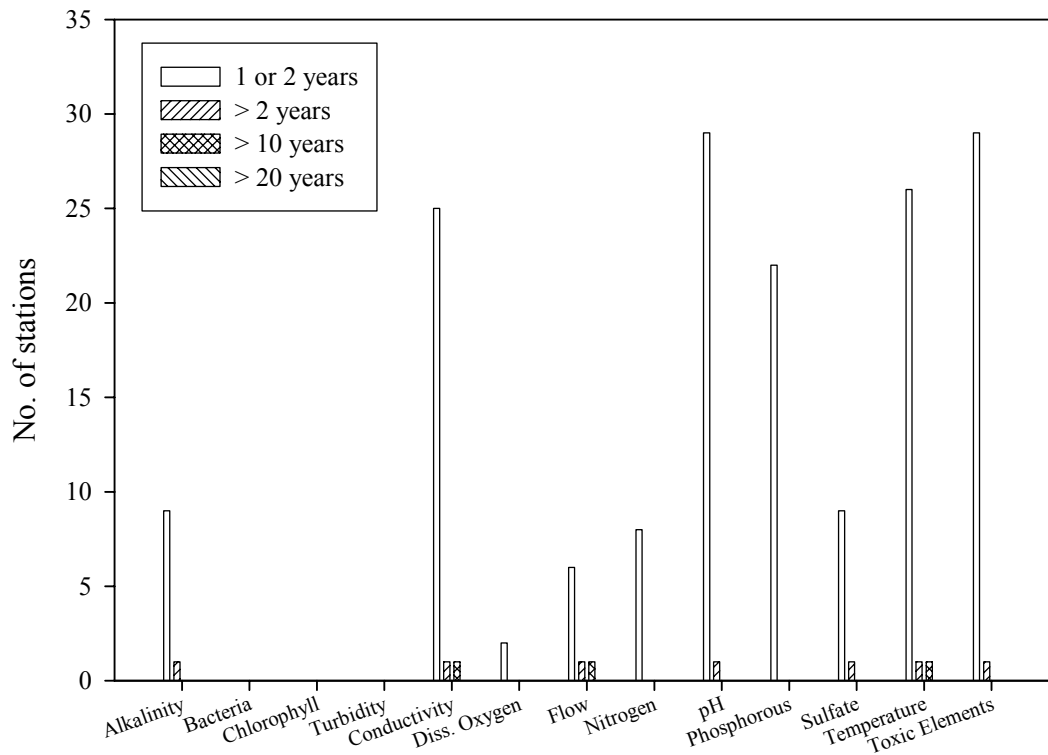
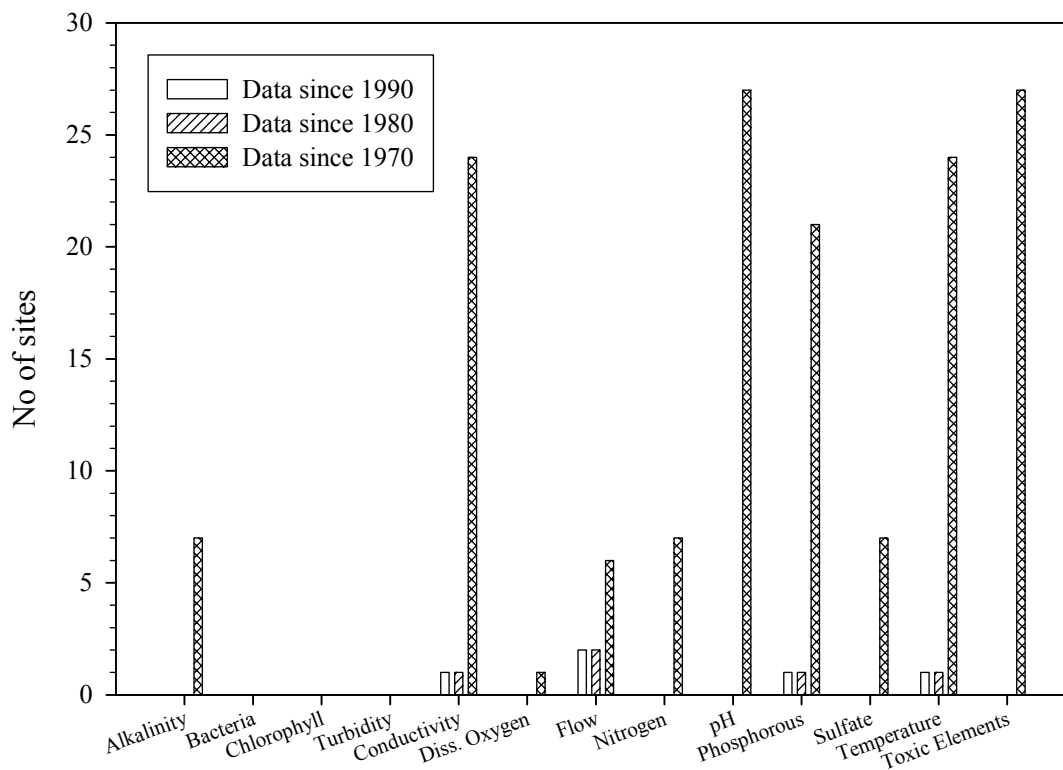


Figure 24 - Gros Ventre Sub-basin - (HUC no. 17040102)  
Water Quality Sampling Sites



**Figure 25.** Number of sites with 1 or 2 years, more than 2 years, more than 10 years and more than 20 years with data in each parameter group in Gros Ventre sub-basin. Note that years are not necessarily consecutive.



**Figure 26.** Number of sites with data since 1970, 1980 and 1990 in Gros Ventre sub-basin.

The sample that failed to meet water quality standards for sulfate was collected from GRTE0052 (Alkali Creek nr. Kelly, WY) in 1973. The toxic element parameters that were exceeded were dissolved copper, zinc and silver, and these samples were collected in 1976.

### 3.3 GRAYS HOBACK SUB-BASIN

#### *Summary of available data*

Water quality data have been collected at 74 sites in the Grays Hoback Sub-basin (Figure 27). There are data for all thirteen of the major parameter groups (Table 7 and Appendix E-1). The number of records per parameter group ranges from twelve for chlorophyll to 1781 for toxic elements. The number of sites with data ranges from three for chlorophyll data to sixty for pH data. There is only one site (GRTE0011, Snake River near Wilson, Wyoming) with data for more than 2 years for more than one parameter group (Figure 28). This site has four years of flow, conductivity and temperature data, as well as 2 years of alkalinity, pH, sulfate and toxic elements data (Appendix E-2). However, these data are not sufficient to allow water quality trends to be identified.

**Table 8.** Summary statistics for data records in Grays Hoback Sub-basin. (See appendices E-1 through E-5 for detailed information).

		Alkalinity	Bacteriological	Chlorophyll	Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorus	Sulfates	Temperature	Toxic Elements
Total no. of data records		367	314	12	324	246	324	62	879	300	495	573	293	1781
No. of sites with data	Total	23	14	3	21	55	21	11	32	60	47	33	57	57
	from 1 or 2 years	23	14	3	21	54	21	10	32	60	47	33	56	57
	for > 2 years	0	0	0	0	1	0	1	0	0	0	0	1	0
	for >10 years	0	0	0	0	0	0	0	0	0	0	0	0	0
	For > 20 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Most recent year with data		1976	1998	1996	1996	1995	1993	1992	1996	1995	1996	1992	1995	1992
Water quality violations	No. of sites	-	4	-	1	-	0	-	0	18	0	0	0	23
	No. of records	-	4	-	1	-	0	-	0	18	0	0	0	65

The most recent data for any parameter group are bacteriological data from GRTE0064 (Granite Canyon; first bridge on trail) in 1998. All parameter groups except for alkalinity have data from the 1990s (Figure 29 and Appendix E-3). Summary statistics for all site / water quality parameter combinations in the Grays Hoback Sub-basin are tabulated in Appendix E-4.

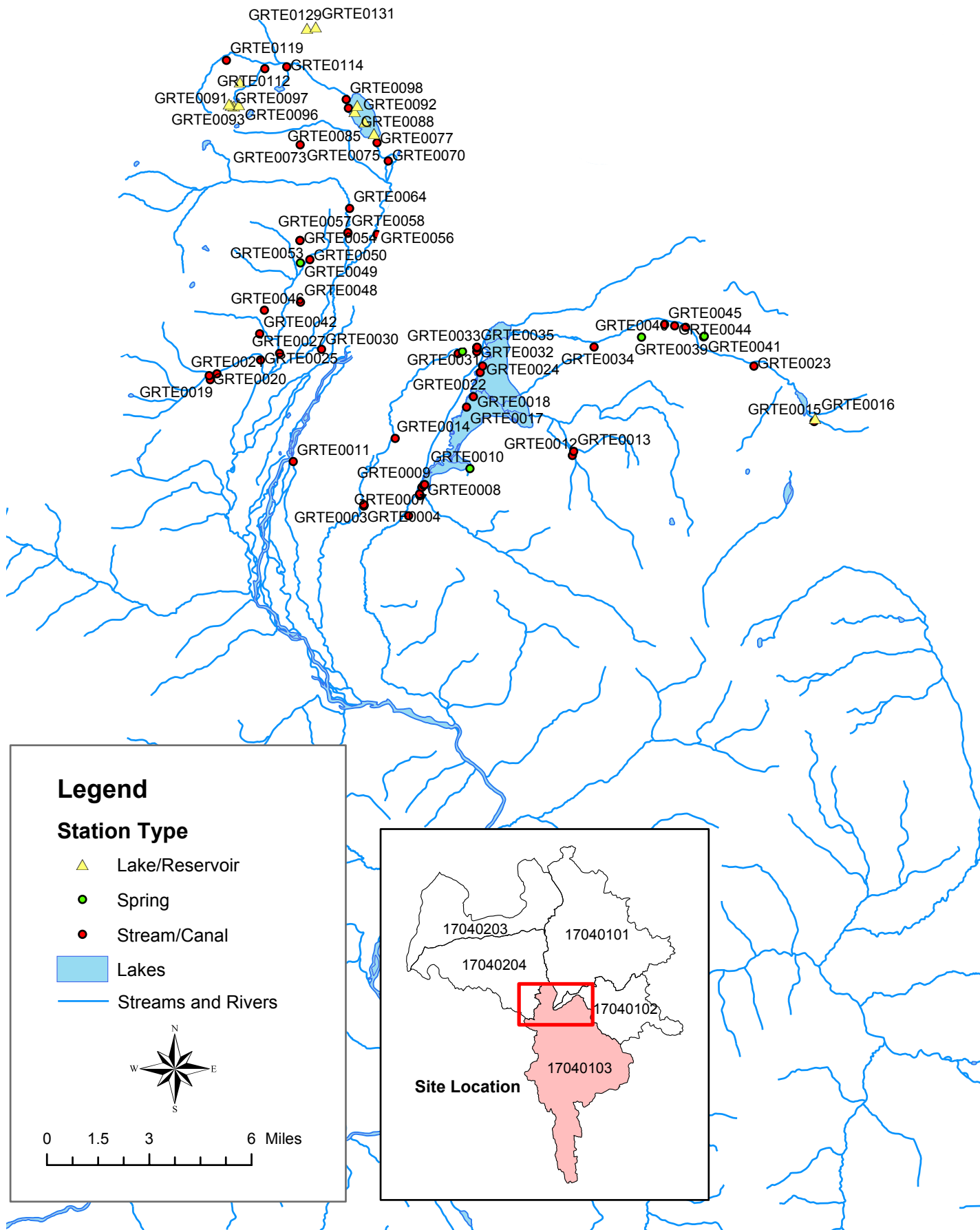
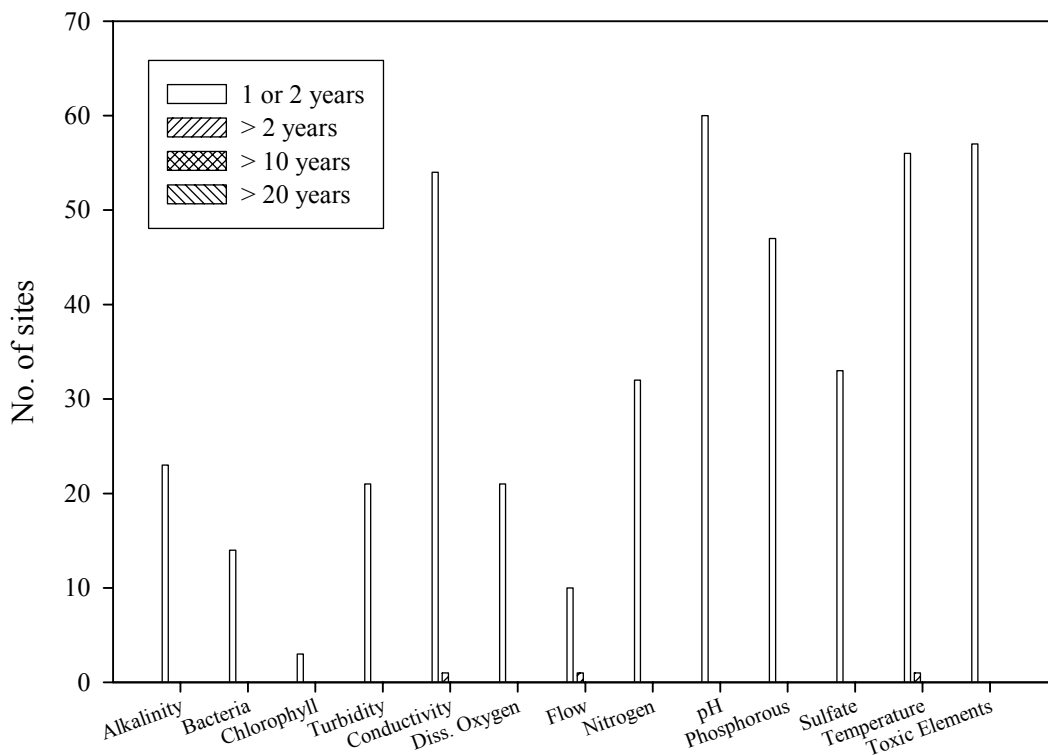
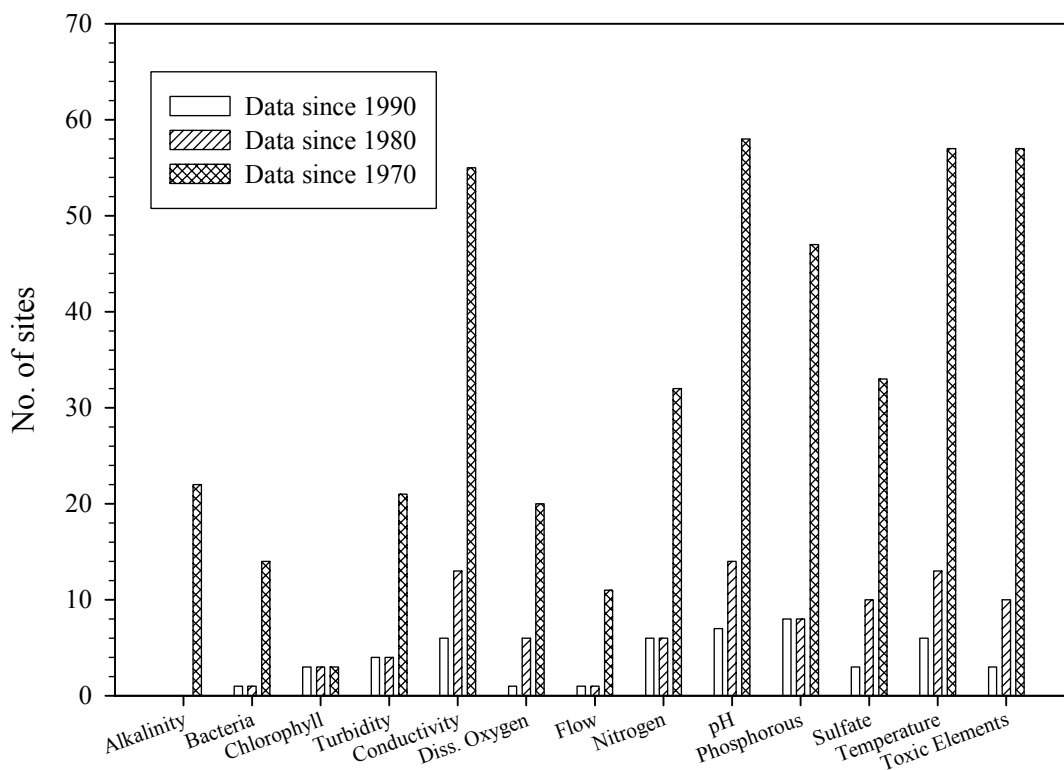


Figure 27 - Grays-Hoback Sub-basin - (HUC No. 17040103)  
Water Quality Sampling Sites



**Figure 28.** Number of sites with 1 or 2 years, more than 2 years, more than 10 years and more than 20 years with data in each parameter group in Grays Hoback sub-basin. Note that years are not necessarily consecutive.



**Figure 29.** Number of sites with data since 1970, 1980 and 1990 in Grays Hoback sub-basin.

### *Basin-wide comparison with water quality standards*

There were 89 data records from 32 sites in the Grays Hoback Sub-basin where the parameter value did not meet water quality standards (Table 8 and Appendix E-5). The parameter values that failed to meet water quality standards were in the bacteriological (5 samples), turbidity (1 sample), pH (18 samples) and toxic elements (65 samples) parameter groups. The five samples that did not meet water quality standards for bacteriological criteria were all collected in the early 1970s. One of these samples, collected at GRTE0051 (Jackson Hole Ski Corp, Teton Village), had a total coliform count of 24,000 MPN/100mL. The 18 samples that did not meet standards for pH were all collected in September 1976, the same period when pH values at eleven sites in the Gros Ventre sub-basin did not meet water quality standards. Samples that did not meet water quality standards for toxic elements, all of them metals, were also collected in 1976. The toxic element parameters for which water quality standards were not met were the dissolved and total forms of cadmium, chromium, copper, lead, mercury and zinc, dissolved nickel and dissolved silver.

### **3.4 LOWER HENRY'S SUB-BASIN**

#### *Summary of available data*

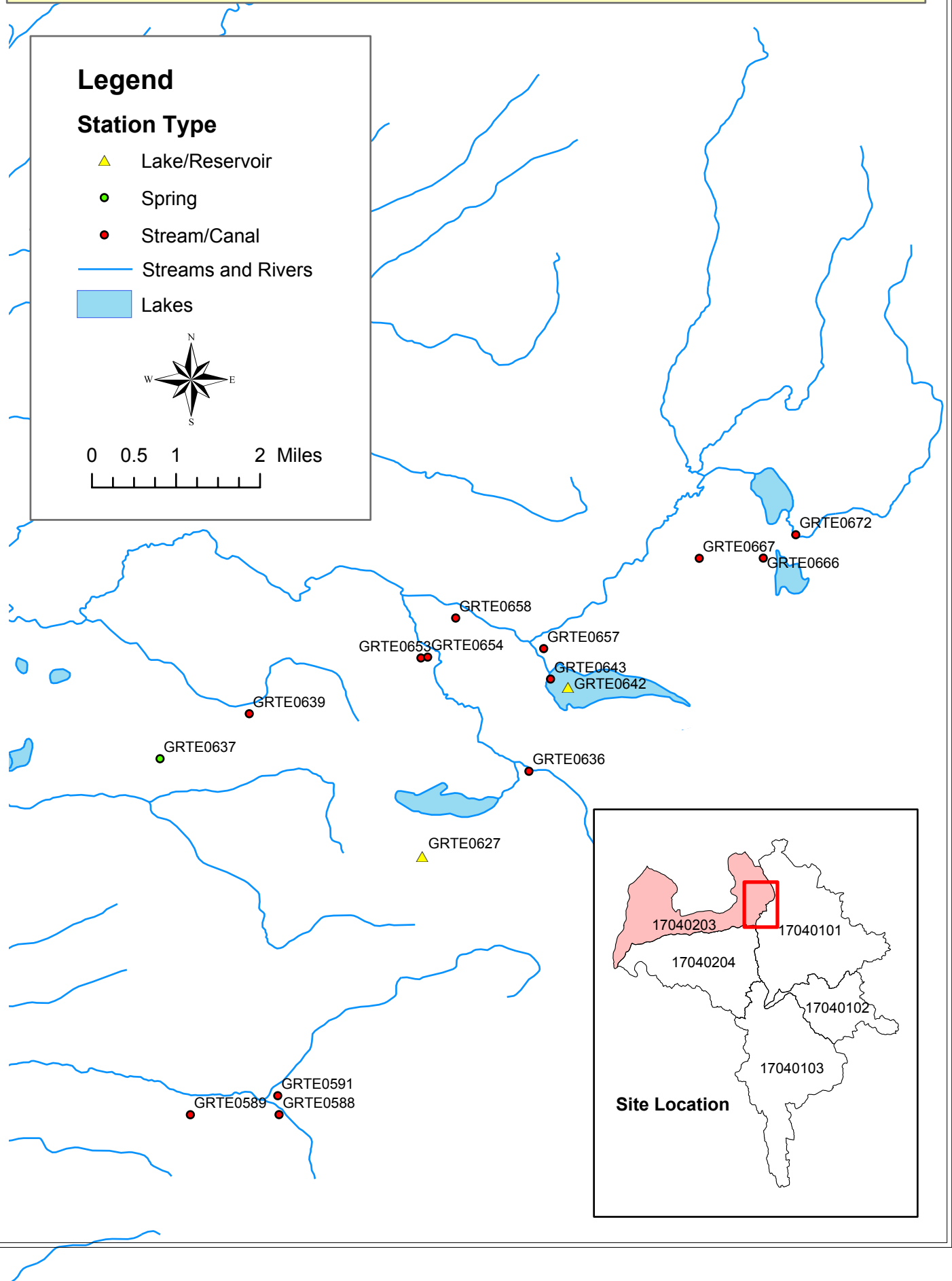
Water quality data have been collected at fifteen sites in the Lower Henry's Sub-basin (Figure 30). There are data for all thirteen major parameter groups (Appendix F-1 and Table 9). The number of records per parameter group ranges from two for chlorophyll to 232 for toxic elements. The number of sites with data ranges from one for chlorophyll data to fifteen for conductivity and pH data. There are no sites in the Lower Henry's sub-basin with data for more than 2 years for one or more parameter groups (Appendix F-2 and Figure 31).

All of the parameter groups have data from the 1990s (Figure 32 and Appendix F-3). The most recent data are from GRTE0642 (Grassy Lake Reservoir 100 M Above Dam) and GRTE0643 (Grassy Cr At Grassy Lake Outlet Works) in 1993. Summary statistics for all site / water quality parameter combinations in the Lower Henry's Sub-basin are tabulated in Appendix F-4.

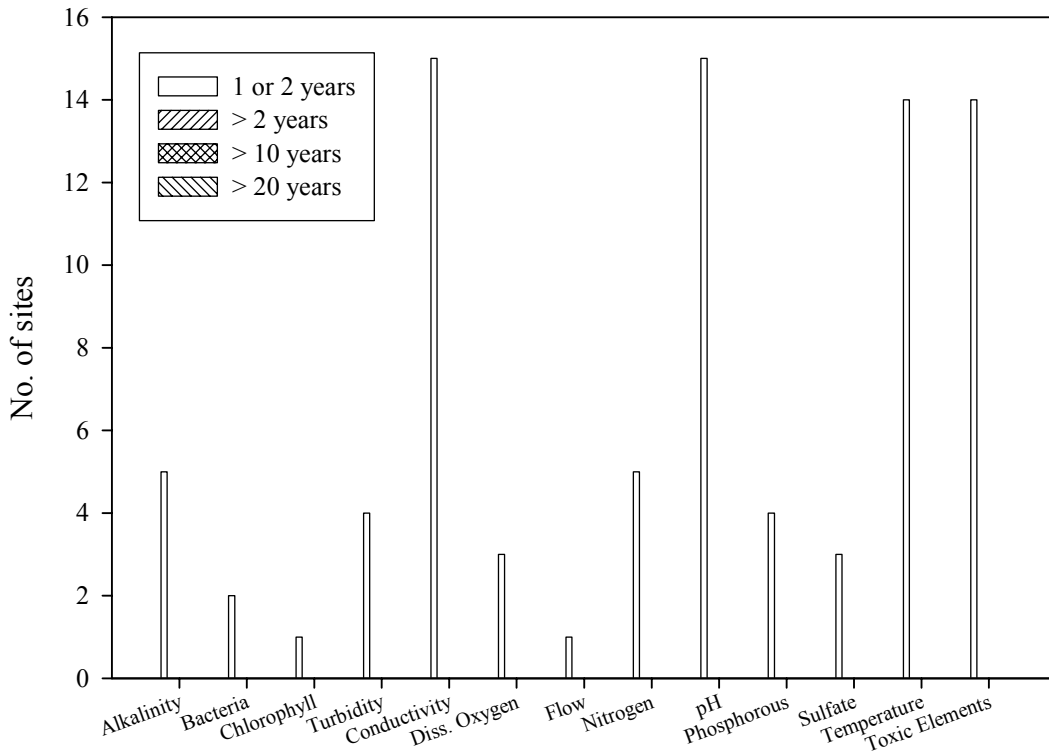
#### *Basin-wide comparison with water quality standards*

There were 15 data records from 12 sites in the Lower Henry's Sub-basin where the parameter value did not meet water quality standards (Table 9 and Appendix F-5). The parameter values that failed to meet water quality standards were in the pH (11 samples), and toxic elements (4 samples) parameter groups. The eleven samples that did not meet water quality standards for pH were collected from ten different sites in 1978 or 1992. The toxic element parameter that was exceeded was total mercury, and the samples were collected at GRTE0642 and GRTE0643 in 1991 and 1993.

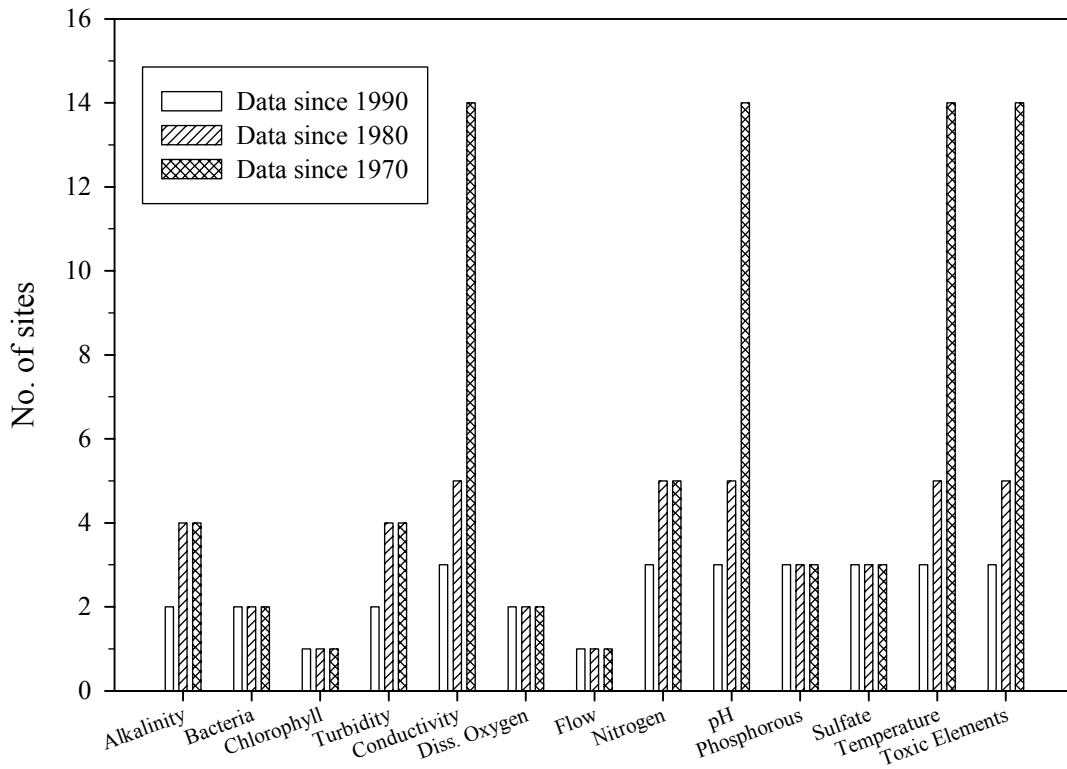
Figure 30 - Lower Henry's Fork sub-basin - (HUC No. 17040203)  
Water Quality Sampling Sites







**Figure 31.** Number of sites with 1 or 2 years, more than 2 years, more than 10 years and more than 20 years with data in each parameter group in Lower Henry's sub-basin. Note that years are not necessarily consecutive.



**Figure 32.** Number of sites with data since 1970, 1980 and 1990 in Lower Henry's sub-basin.

**Table 9.** Summary statistics for data records in Lower Henry's Sub-basin. (See appendices F-1 through F-5 for detailed information).

		Alkalinity	Bacteriological	Chlorophyll	Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorus	Sulfates	Temperature	Toxic Elements
Total no. of data records		29	5	2	32	60	38	3	43	64	24	12	58	232
No. of sites with data	Total	5	2	1	4	15	3	1	5	15	4	3	14	14
	from 1 or 2 years	5	2	1	4	15	3	1	5	15	4	3	14	14
	for > 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0
	for >10 years	0	0	0	0	0	0	0	0	0	0	0	0	0
	For > 20 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Most recent year with data		1993	1993	1993	1993	1993	1993	1991	1993	1993	1993	1993	1993	1993
Water quality violations	No. of sites	0	0	-	0	-	0	-	0	10	0	0	0	2
	No. of records	0	0	-	0	-	0	-	0	11	0	0	0	4

### 3.5 TETON SUB-BASIN

#### *Summary of available data*

Water quality data have been collected at 37 sites in the Teton Sub-basin (Figure 33). There are data for all of the major parameter groups except for chlorophyll and turbidity (Table 10 and Appendix G-1). The number of records per parameter group ranges from one for bacteriological data to 626 for toxic elements. The number of sites with data ranges from one for bacteriological data to 34 for conductivity, temperature and toxic elements data. There are no sites in the Teton sub-basin with data for more than 2 years for one or more parameter groups (Figure 34 and Appendix G-2).

The most recent data for any parameter group are conductivity, flow, nitrogen, pH, phosphorous, sulfate and toxic elements data from six sites in 1991. The most recent data for alkalinity and bacteriological parameters are from the 1970s, and the most recent dissolved oxygen data are from 1958. (Figure 35 and Appendix G-3). Summary statistics for all site / water quality parameter combinations in the Teton Sub-basin are tabulated in Appendix G-4.

#### *Basin-wide comparison with water quality standards*

There were 11 data records from seven sites in the Teton sub-basin where the parameter value did not meet water quality standards (Table 10 and Appendix G-5). The parameter values that failed to meet water quality standards were in the pH (1 sample), and toxic elements (10

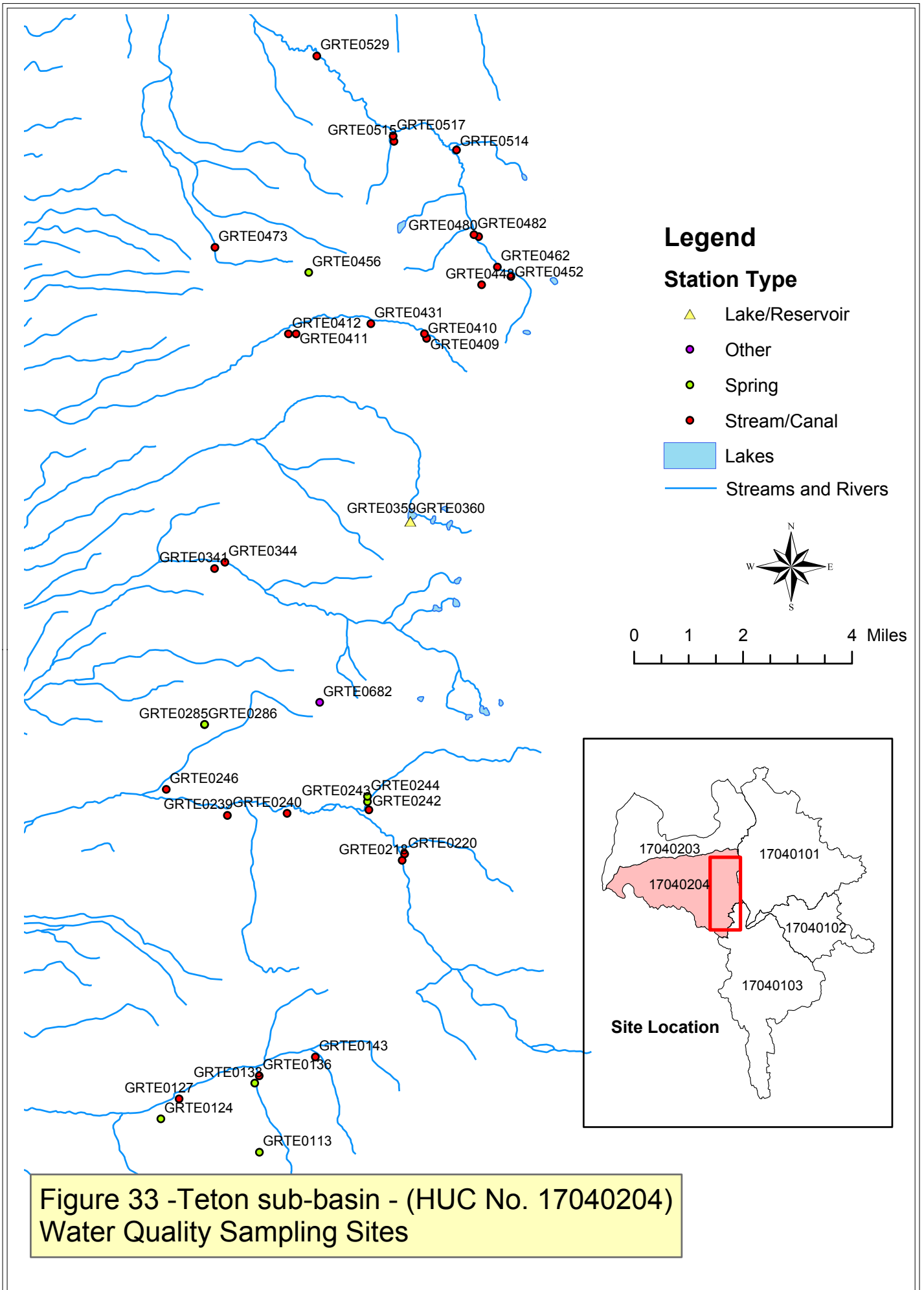
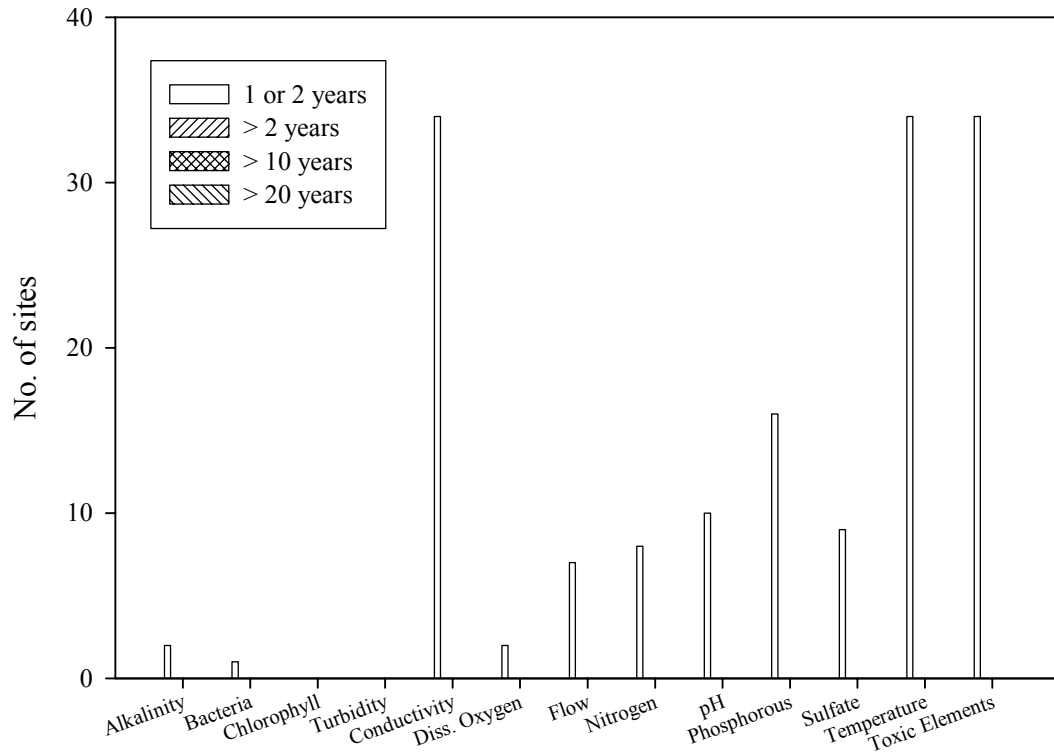
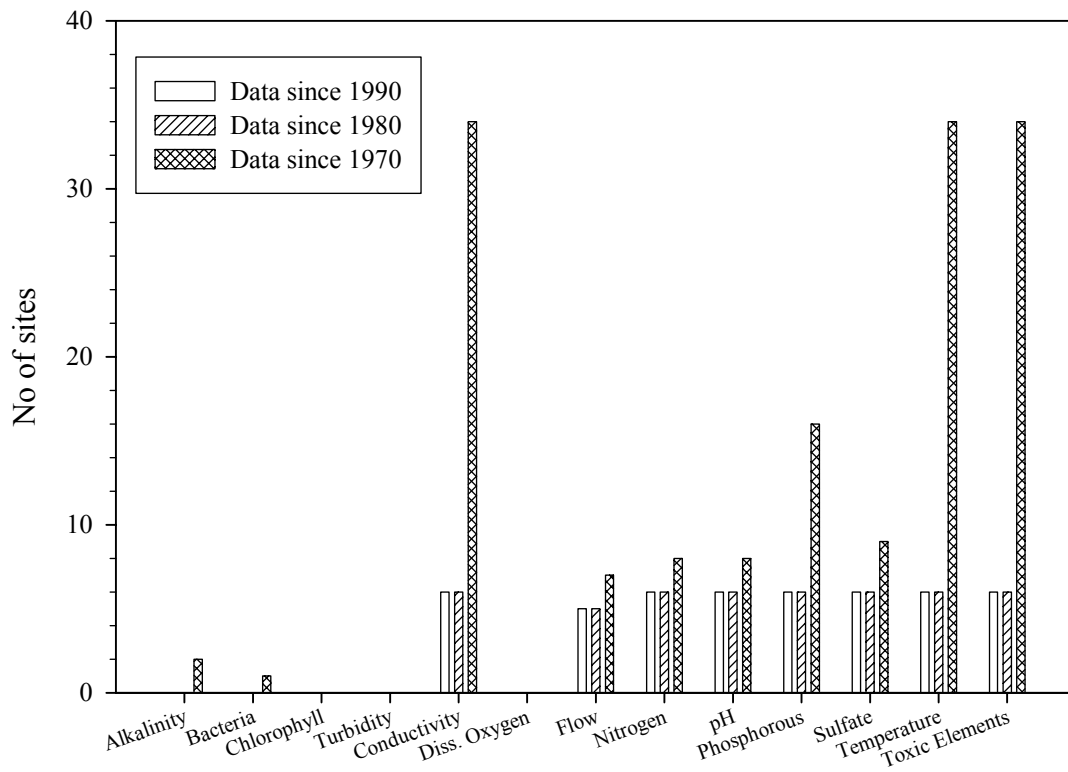


Figure 33 -Teton sub-basin - (HUC No. 17040204)  
Water Quality Sampling Sites



**Figure 34.** Number of sites with 1 or 2 years, more than 2 years, more than 10 years and more than 20 years with data in each parameter group in Teton sub-basin. Note that years are not necessarily consecutive.



**Figure 35.** Number of sites with data since 1970, 1980 and 1990 in Teton sub-basin.

samples) parameter groups. The sample that did not meet water quality standards for pH was collected at GRTE0456 (Lat-Long 4353581105614) in 1991. The toxic element parameters for which there were samples that did not meet water quality standards were dissolved copper, zinc, beryllium, mercury and silver. Nine of the samples were collected from six sites in 1977, and one sample was collected at GRTE0244 in 1991.

**Table 10.** Summary statistics for data records in Teton Sub-basin. (See appendices G-1 through G-5 for detailed information).

		Alkalinity	Bacteriological	Chlorophyll	Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorus	Sulfates	Temperature	Toxic Elements
Total no. of data records		6	1	0	0	66	4	12	27	30	43	20	66	626
No. of sites with data	Total	2	1	0	0	34	2	7	8	10	16	9	34	34
	from 1 or 2 years	2	1	0	0	34	2	7	8	10	16	9	34	2
	for > 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0
	for >10 years	0	0	0	0	0	0	0	0	0	0	0	0	0
	For > 20 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Most recent year with data		1977	1975	-	-	1991	1958	1991	1991	1991	1991	1991	1991	1991
Water quality violations	No. of sites	0	0	-	-	-	0	-	0	1	0	0	0	6
	No. of records	0	0	-	-	-	0	-	0	1	0	0	0	10

## 4.0 CONCLUSIONS and RECOMMENDATIONS

Grand Teton National Park (GRTE) has more recent and more comprehensive water quality data than either of the other two parks in the GRYE network (Bighorn Canyon NRA and Yellowstone NP). There are recent data for all thirteen of the major parameter groups, and most of the major water bodies, including the Snake River and Jackson Lake, have been sampled many times for water quality. However, the vast majority of sampling locations have only been sampled periodically, were sampled intensively for just one or two years, or were sampled only for basic parameters such as temperature, pH and conductivity. These sites are of limited value for determining the status and trends in park water quality. In fact, only the Snake Headwaters sub-basin has any sites with sufficient data to enable long-term trends to be analyzed. The most useful data are from sites that have several years of data for key parameters, such as nitrogen, phosphorous, bacteria, dissolved oxygen, metals and pesticides. The sites in GRTE that have the longest and most complete data sets are:

- GRTE0081 (Kelly Warm Spring nr. Kelly, GTNP, WY);
- GRTE0100 (Snake River at Moose, WY, H9493);
- GRTE0128 (Ditch C. bel S. Fr. nr. Kelly, WY);
- GRTE0234 (Ctnwd. C at Outlet of Jenny Lk nr. Moose GTNP, WY);
- GRTE0262 (Jenny Lake north of Jackson WY);
- GRTE0303 (Spread C. nr. Moran, WY);
- GRTE0363 (Buffalo Fork above Lava Creek near Moran, WY);
- GRTE0373 (Jackson Lake .4 Miles west of dam);
- GRTE0381 (Pacific Creek at Moran, WY);
- GRTE0384 (Jackson Lake, 700 Ft u/s of dam, south bank);
- GRTE0388 (Snake River near Moran, WY);
- GRTE0390 (Snake R b'low Jackson Lk Dam);
- GRTE0463 (Cygnet Pond);
- GRTE0472 (East End of Two Ocean Lake);
- GRTE0492 (Pilgrim Creek below abandoned ford);
- GRTE0499 (Pilgrim C at abandoned ford nr Moran, GTNP, Wyo);
- GRTE0611 (Wrong number for Snake R ab Jackson Lk @ Flagg R);
- GRTE0612 (Snake River ab Jackson Lake, at Flaggh9999);
- GRTE0624 (Snake River at Flagg Ranch);
- GRTE0037 (Gros Ventre River near Zenith, WY);
- GRTE0074 (Lower Slide Lake northeast of Jackson, WY);
- GRTE0011 (Snake River near Wilson, Wyoming).

Comparison of the available water quality data with state and federal water quality standards indicates that GRTE water quality is generally very high, and has been little impacted by human activity in the Park and in upstream watersheds. Nevertheless, given the increased public use of natural areas like Grand Teton National Park, and the overall population increase in the West, pressure on Park water resources is likely to continue to increase. The periodic water quality violations noted from the historical data provide a guide as to where to sample and what to sample in order to monitor for future human impacts. Based on our findings we provide the

following recommendations for development of a water quality monitoring plan for Vital Signs in Grand Teton National Park:

- Develop a monitoring strategy that is based on watershed boundaries, rather than park administrative boundaries. Assign monitoring for the Snake River Headwaters to GRTE and the Yellowstone River Headwaters to YELL to avoid overlap and confusion;
- Establish or maintain existing water quality monitoring stations along the Snake River at Flagg Ranch, Moran and Moose (GRTE0612, GRTE0390 and GRTE0100) and along the major tributaries of the Snake River - the Buffalo Fork, Gros Ventre River<sup>6</sup> and Pacific Creek. Monitor continuously for the four key parameters (pH, temperature, conductivity and D.O.) and for turbidity, using in-situ sensors. Collect simultaneous flow data (or obtain these data from USGS gages). Monitor all sites at least quarterly for major ions, nutrients, bacteria, and alkalinity. Monitor at least annually for selected toxic element parameters such as the pesticides Dieldrin and P,P-DDE and the metals arsenic, mercury, chromium, and cadmium that have previously been detected in the Snake River;
- Establish or maintain water quality monitoring stations in the seven morainal lakes on the valley floor (Jackson, Leigh, String, Jenny, Bradley, Taggart, and Phelps). Monitor for the four key parameters, and for turbidity and chlorophyll, using in-situ sensors. Monitor quarterly for major cations and anions, bacteria, nutrients and alkalinity. Measure and record the lake depth at each sampling location. Establish fixed sites and collect Secchi disc data on a quarterly basis;
- Monitor water bodies downgradient from wastewater treatment facilities, such as Swan Lake, for bacteria and nutrients on a quarterly basis;
- Establish or maintain water quality monitoring stations in high elevation lakes in the Teton range to determine effects due to atmospheric deposition. Identify specific sites based on thesis research being conducted by Jenni Corbin at the University of Montana. Lake sampling should be stratified according to watershed geology, as this is a key determinant of lake water chemistry. Monitor for the four key parameters, and for alkalinity, using in-situ sensors. Monitor at least annually, in late summer, for major anions and cations, nutrients (including total Nitrogen and total Phosphorous), total organic carbon (TOC), and ANC.

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<sup>6</sup> Flow in the Gros Ventre River is ephemeral due to an upstream diversion. Sampling may not be possible at certain periods of the year, particularly in late summer.

## **APPENDIX A – Water Quality Standards**



## Appendix A

## WATER QUALITY STANDARDS

**Sources:**

1. U.S. Environmental Protection Agency, 1995. Quality Criteria for Water, Final Draft.
2. U.S. Environmental Protection Agency, 1994. 40 CFR 141 (National Primary Drinking Water Regulations), and 40 CFR 143 (National Secondary Drinking Water Regulations).
3. State of Wyoming, 2001. Water Quality Rules and Regulations, Chapter 1: Wyoming Surface Water Quality Standards.
4. State of California, 1990. Water Quality Control Plan, Ocean Waters of California. California Ocean Plan. State Water Resources Control Board Resolution 90-27.
5. U.S. Environmental Protection Agency, 1986. Ambient water quality Criteria for Bacteria. EPA 440/5-84-002. National Technical Information Service, Springfield VA.
6. Rule of thumb criteria used by the NPS Air Quality Division for determining sensitivity to acid deposition.
7. State of Arizona, 1996. Arizona Administrative Code. Title 18: Environmental Quality. Chapter 11: Department of Environmental Quality, Water Quality Standards. Article 1, Section R18-11-108, Narrative Water Quality Standards.
8. U.S. Environmental Protection Agency, 1986. Ambient water quality Criteria for Dissolved Oxygen. EPA 440/5-86-003. National Technical Information Service, Springfield VA.

**Standard Types:**

1. Human health value (fish and drinking water);
2. Aquatic life (acute);
3. Bathing water;
4. All waters.

Parameter type	Parameter	Units	Source	Standard type	Min	Max
Bacteriological	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100M L	4	3		1000
	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100M L	4	3		1000
	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100M L	4	3		1000
	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100M L	4	3		1000
	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100M L	4	3		1000
	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100M L	4	3		1000
	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100M L	4	3		1000
	E. COLI, MTEC, MF	CFU/100M L	5	3		126
	ENTEROCOCCI, ME, MF	CFU/100M L	5	3		33
	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100M L	5	3		200
	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100M	5	3		200

Parameter type	Parameter	Units	Source	Standard type	Min	Max
		L				
	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100M L	5	3		200
	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100M L	5	3		200
	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100M L	5	3		200
	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100M L	5	3		200
Dissolved Oxygen	OXYGEN, DISSOLVED	MG/L	8	2	4	
	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	8	2	4	
General Inorganic	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	6	4	200	
	ASBESTOS, WHOLE SAMPLE	CNT/L	2,3	1		7.0E+06
	CHLORIDE DISSOLVED AS CL IN WATER	UG/L	3	1		2.3E+05
	CHLORIDE, DISSOLVED IN WATER	MG/L	3	1		230
	CHLORIDE, TOTAL IN WATER	MG/L	3	1		230
	CHLORINE DOSE	MG/L	1	2		0.019
	CHLORINE, COMBINED AVAILABLE	MG/L	1	2		0.019
	CHLORINE, FREE AVAILABLE	MG/L	1	2		0.019
	CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	1	2		0.019
	CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	1	2		0.019
	CHLORINE, TOTAL RESIDUAL	MG/L	1	2		0.019
	CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	1	2		0.019
	CHLORITE, WHOLE WATER	MG/L	1	2		0.019
	COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	3	2		0.018
	CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	1	2		22
	CYANIDE, DISSOLVED STD METHOD	UG/L	1	2		22
	CYANIDE, DISSOLVED, WATER	UG/L	1	2		22
	CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	1	2		22
	CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	1	2		0.022
	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG METHOD	UG/L	1,3	2		22
	CYANIDE, SUSPENDED	MG/L	1	2		0.022
	CYANIDE, TOTAL	MG/L	1	2		0.022
	CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	1	2		22
	CYANIDE, FREE (NOT AMENABLE TO CHLORINATION)	MG/L	1	2		0.022
	CYANIDE/CHLORINATION IN WATER	MG/L	1	2		0.022
	FLUORIDE, DISSOLVED AS F	MG/L	2,3	1		4
	FLUORIDE, TOTAL AS F	MG/L	2,3	1		4
	FLUORINE, TOTAL	UG/L	2,3	1		4000
	SULFATE (AS S) WHOLE WATER	MG/L	2	1		250
	SULFATE, DISSOLVED (AS SO4)	MG/L	2	1		250
	SULFATE, TOTAL (AS SO4)	MG/L	2	1		250
General Organic	1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	3	1		0.17
	1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	3	1		0.17
	1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	3	1		0.17
	1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	3	1		0.6
	1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	3	1		0.6
	1,1,2-TRICHLOROETHANE, TOTAL	UG/L	3	1		0.6
	1,2,4-TRICHLOROETHANE, DISSOLVED	UG/L	2,3	1		70

Parameter type	Parameter	Units	Source	Standard type	Min	Max
General Organic	1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	2,3	1		70
	1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	2,3	1		70
	2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	1	2		440
	ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	2	1		2
	ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	2	1		4
	BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	3	1		0.0044
	BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	3	1		300
	BROMODICHLOROMETHANE, WHOLE WATER	UG/L	3	1		0.56
	BROMOFORM, DISSOLVED	UG/L	3	1		4.3
	BROMOFORM, SUSPENDED	UG/L	3	1		4.3
	BROMOFORM, WHOLE WATER	UG/L	3	1		4.3
	CHLORODIBROMOMETHANE, DISSOLVED	UG/L	3	1		0.41
	CHLORODIBROMOMETHANE, SUSPENDED	UG/L	3	1		0.41
	CHLORODIBROMOMETHANE, TOTAL	UG/L	3	1		0.41
	DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	2	1		0.41
	DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	1	2		1120
	DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	1	2		1120
	DICHLOROBROMOMETHANE, DISSOLVED	UG/L	3	1		0.56
	DICHLOROBROMOMETHANE, SUSPENDED	UG/L	3	1		0.56
	DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	2	1		0.005
	HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	1	2		11
	HEXACHLOROBENZENE, DISSOLVED	UG/L	3	1		7.5E-04
	HEXACHLOROBENZENE, SUSPENDED	UG/L	3	1		7.5E-04
	INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	3	1		0.0044
	INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	3	1		0.0044
	INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	3	1		0.0044
	METHYLENE CHLORIDE, DISSOLVED	UG/L	3	1		4.7
	METHYLENE CHLORIDE, SUSPENDED	UG/L	3	1		4.7
	METHYLENE CHLORIDE, TOTAL	UG/L	3	1		4.7
	P-CHLOROPHENOL, WHOLE WATER	UG/L	1	2		3.0E+04
	PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	1	2		7240
	PHTHLATE ESTERS IN WATER	MG/L	1	2		0.94
	TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	3	1		0.17
	TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	3	1		200
	1,1,1-TRICHLOROETHANE	UG/L	2,3	1		200
	1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	2,3	1		200
	1,1,1-TRICHLOROETHANE, TOTAL	UG/L	2,3	1		200
	1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	3	1		0.057
	1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	3	1		0.057
	1,1-DICHLOROETHYLENE, TOTAL	UG/L	3	1		0.057
	1,2-DIBROMOETHANE, WHOLE WATER	UG/L	2	1		0.05
	1,2-DICHLOROBENZENE, DISSOLVED	UG/L	2,3	1		600
	1,2-DICHLOROBENZENE, SUSPENDED	UG/L	2,3	1		600
	1,2-DICHLOROBENZENE, TOTAL	UG/L	2,3	1		600
	1,2-DICHLOROETHANE, DISSOLVED	UG/L	3	1		0.38
	1,2-DICHLOROETHANE, SUSPENDED	UG/L	3	1		0.38
	1,2-DICHLOROETHANE, TOTAL	UG/L	3	1		0.38

Parameter type	Parameter	Units	Source	Standard type	Min	Max
General Organic	1,2-DICHLOROETHANE, WHOLE WATER	UG/L	3	1		0.38
	1,2-DICHLOROPROPANE, DISSOLVED	UG/L	3	1		0.52
	1,2-DICHLOROPROPANE, SUSPENDED	UG/L	3	1		0.52
	1,2-DICHLOROPROPANE, TOTAL	UG/L	3	1		0.52
	1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	3	1		0.04
	1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	3	1		0.04
	1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	3	1		0.04
	1,3-DICHLOROBENZENE, DISSOLVED	UG/L	3	1		400
	1,3-DICHLOROBENZENE, SUSPENDED	UG/L	3	1		400
	1,3-DICHLOROBENZENE, TOTAL	UG/L	3	1		400
	1,4-DICHLOROBENZENE, DISSOLVED	UG/L	2,3	1		75
	1,4-DICHLOROBENZENE, SUSPENDED	UG/L	2,3	1		75
	1,4-DICHLOROBENZENE, TOTAL	UG/L	2,3	1		75
	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	3	1		1.3E-08
	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	3	1		1.3E-08
	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	3	1		1.3E-08
	2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	3	2		1
	2,4-DICHLOROPHENOL, DISSOLVED	UG/L	3	1		0.3
	2,4-DICHLOROPHENOL, SUSPENDED	UG/L	3	1		0.3
	2,4-DICHLOROPHENOL, TOTAL	UG/L	3	1		0.3
	2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	3	1		400
	2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	3	1		400
	2,4-DIMETHYLPHENOL, TOTAL	UG/L	3	1		400
	2,4-DINITROTOLUENE, DISSOLVED	UG/L	3	1		0.11
	2,4-DINITROTOLUENE, SUSPENDED	UG/L	3	1		0.11
	2,4-DINITROTOLUENE, TOTAL	UG/L	3	1		0.11
	2-CHLOROPHENOL, DISSOLVED	UG/L	3	1		0.1
	2-CHLOROPHENOL, SUSPENDED	UG/L	3	1		0.1
	2-CHLOROPHENOL, TOTAL	UG/L	3	1		0.1
	ACENAPHTHENE, DISSOLVED	UG/L	3	1		20
	ACENAPHTHENE, SUSPENDED	UG/L	3	1		20
	ACENAPHTHENE, TOTAL	UG/L	3	1		20
	ACRYLONITRILE, DISSOLVED	UG/L	3	1		0.059
	ACRYLONITRILE, SUSPENDED	UG/L	3	1		0.059
	ACRYLONITRILE, TOTAL	UG/L	3	1		0.059
	BENZENE, DISSOLVED	UG/L	3	1		1.2
	BENZENE, SUSPENDED	UG/L	3	1		1.2
	BENZIDINE, DISSOLVED	UG/L	3	1		1.2E-04
	BENZIDINE, SUSPENDED	UG/L	3	1		1.2E-04
	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	3	1		1.8
BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	3	1		1.8	
BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	3	1		1.8	
CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS., TOTAL	UG/L	2	1		100	
CARBON CHLOROFORM EXTRACTABLES	UG/L	2	1		100	
CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	2	1		100	
CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	2	1		100	

Parameter type	Parameter	Units	Source	Standard type	Min	Max
General Organic	CARBON TETRACHLORIDE EXTRACTABLES	MG/L	3	1		0.025
	CARBON TETRACHLORIDE, DISSOLVED	UG/L	3	1		0.025
	CARBON TETRACHLORIDE, SUSPENDE	UG/L	3	1		0.025
	CARBON TETRACHLORIDE, WHOLE WATER	UG/L	3	1		0.025
	CHLORIDE, ORGANIC	MG/L	1	2		2.3E+05
	CHLORO BENZENE, DISSOLVED	UG/L	3	1		20
	CHLORO BENZENE, SUSPENDE	UG/L	3	1		20
	CHLORO BENZENE, TOTAL	UG/L	3	1		20
	CHLOROFORM EXTRACTABLES TOTAL	MG/L	3	1		5.7
	CHLOROFORM, DISSOLVED	UG/L	3	1		5.7
	CHLOROFORM, SUSPENDE	UG/L	3	1		5.7
	CHLOROFORM, WHOLE WATER	UG/L	3	1		5.7
	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	2	1		70
	ETHYLBENZENE, DISSOLVED	UG/L	2,3	1		700
	ETHYLBENZENE, SUSPENDE	UG/L	2,3	1		700
	ETHYLBENZENE, TOTAL	UG/L	2,3	1		700
	FLUORANTHENE, DISSOLVED	UG/L	3	1		300
	FLUORANTHENE, SUSPENDE	UG/L	3	1		300
	FLUORANTHENE, TOTAL	UG/L	3	1		300
	HEXACHLORO BENZENE IN WHOLE WATER SAMPLE	UG/L	3	1		7.5E-04
	HEXACHLORO BUTADIENE IN WHOLE WATER SAMPLE	UG/L	3	1		0.44
	HEXACHLORO BUTADIENE, DISSOLVED	UG/L	3	1		0.44
	HEXACHLORO BUTADIENE, SUSPENDE	UG/L	3	1		0.44
	HEXACHLORO BUTADIENE, TOTAL	UG/L	3	1		0.44
	HEXACHLORO CYCLOPENTADIENE, DISSOLVED	UG/L	3	1		1
	HEXACHLORO CYCLOPENTADIENE, SUSPENDE	UG/L	3	1		1
	HEXACHLORO CYCLOPENTADIENE, TOTAL	UG/L	3	1		1
	HEXACHLORO ETHANE, DISSOLVED	UG/L	3	1		1.9
	HEXACHLORO ETHANE, SUSPENDE	UG/L	3	1		1.9
	HEXACHLORO ETHANE, TOTAL	UG/L	3	1		1.9
	NAPHTHALENE, DISSOLVED	UG/L	1	2		2300
	NAPHTHALENE, SUSPENDE	UG/L	1	2		2300
	NAPHTHALENE, TOTAL	UG/L	1	2		2300
	NITRO BENZENE, DISSOLVED	UG/L	3	1		17
	NITRO BENZENE, SUSPENDE	UG/L	3	1		17
	NITRO BENZENE, TOTAL	UG/L	3	1		17
	PARACHLORO META CRESOL, DISSOLVED	UG/L	1	2		30
	PARACHLORO META CRESOL, SUSPENDE	UG/L	1	2		30
	PARACHLORO META CRESOL, TOTAL	UG/L	1	2		30
	PCBS, SUSPENDE, WATER	NG/L	2	1		500
	PCBS, TOTAL RECOVERABLE, WATER	NG/L	2	1		500
	PHENANTHRENE, DISSOLVED	UG/L	1	2		30
PHENANTHRENE, SUSPENDE	UG/L	1	2		30	
PHENANTHRENE, TOTAL	UG/L	1	2		30	
PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	3	1		300	
PHENOL, DISSOLVED	UG/L	3	1		300	
PHENOL, SUSPENDE	UG/L	3	1		300	

Parameter type	Parameter	Units	Source	Standard type	Min	Max
General Organic	STYRENE, WHOLE WATER	UG/L	2,3	1		100
	TETRACHLOROETHYLENE, DISSOLVED	UG/L	3	1		0.8
	TETRACHLOROETHYLENE, SUSPENDED	UG/L	3	1		0.8
	TETRACHLOROETHYLENE, TOTAL	UG/L	3	1		0.8
	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	2,3	1		1000
	TOLUENE, DISSOLVED	UG/L	2,3	1		1000
	TOLUENE, SUSPENDED	UG/L	2,3	1		1000
	TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	2	1		100
	TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	2	1		100
	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	2	1		100
	TRICHLOROETHYLENE, DISSOLVED	UG/L	3	1		2.7
	TRICHLOROETHYLENE, SUSPENDED	UG/L	3	1		2.7
	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	3	1		2.7
	VINYL CHLORIDE, DISSOLVED	UG/L	2,3	1		2
	VINYL CHLORIDE, SUSPENDED	UG/L	2,3	1		2
	VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	2,3	1		2
	XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	2	1		10000
	Metal	CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	3	2	
CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED		MG/L	3	2		16
CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE		UG/L	3	1		16
CHROMIUM, TRI-VAL		UG/L	2,3	1		100
CHROMIUM, TRIVALENT, DISSOLVED		UG/L	2,3	1		100
CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED		MG/L	2,3	1		100
SULFATE, WATER, DISSOLVED AS S		MG/L	2	1		250
URANIUM, NATURAL DISSOLVED		UG/L	2	1		20
URANIUM, NATURAL SUSPENDED		UG/L	2	1		20
URANIUM, POTENTIALLY DISSOLVED, WATER		MG/L	2	1		0.02
URANIUM, TOTAL AS U308		UG/L	2	1		20
ZINC, TOTAL RECOVERABLE IN WATER AS ZN		UG/L	3	1		117.2
ANTIMONY (SB), WATER, TOTAL RECOVERABLE		UG/L	2	1		6
ANTIMONY, DISSOLVED		UG/L	2	1		6
ANTIMONY, SUSPENDED		UG/L	2	1		6
ANTIMONY, TOTAL		UG/L	2	1		6
ARSENIC, DISSOLVED		UG/L	3	1		7
ARSENIC, DISSOLVED ORGANIC		UG/L	3	1		7
ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED		UG/L	3	1		7
ARSENIC, INORGANIC DISS		UG/L	3	1		7
ARSENIC, INORGANIC SUSP		UG/L	3	1		7
ARSENIC, INORGANIC TOT		UG/L	3	1		7
ARSENIC, PENTAVALENT, DISSOLVED		UG/L	2	1		50
ARSENIC, POTENTIALLY, DISSOLVED, WATER		MG/L	3	1		7
ARSENIC, SUSPENDED		UG/L	3	1		7
ARSENIC, TOTAL		UG/L	3	1		7
ARSENIC, TOTAL RECOVERABLE IN WATER AS AS		UG/L	3	1		7
ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC		UG/L	3	1		50
ARSENIC, TRIVALENT, DISSOLVED		UG/L	2	1		50
BARIUM, DISSOLVED		UG/L	2,3	1		2000

Parameter type	Parameter	Units	Source	Standard type	Min	Max
Metal	BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	2,3	1		2000
	BARIUM, POTENTIALLY, DISSOLVED, WATER	UG/L	2,3	1		2000
	BARIUM, SUSPENDED	UG/L	2,3	1		2000
	BARIUM, TOTAL	UG/L	2,3	1		2000
	BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	2,3	1		2000
	BERYLLIUM, DISSOLVED	UG/L	2,3	1		4
	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	2,3	1		4
	BERYLLIUM, SUSPENDED	UG/L	2,3	1		4
	BERYLLIUM, TOTAL	UG/L	2,3	1		4
	BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	2,3	1		4
	CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	3	1		4.3
	CADMIUM, DISSOLVED	UG/L	3	1		4.3
	CADMIUM, EXTRACTABLE	UG/L	3	1		4.3
	CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	2	1		0.005
	CADMIUM, SUSPENDED	UG/L	3	1		4.3
	CADMIUM, TOTAL	UG/L	3	1		4.3
	CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	3	1		4.3
	CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	3	1		4.3
	CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	2,3	1		100
	CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	2,3	1		100
	CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	2,3	1		100
	CHROMIUM, DISSOLVED	UG/L	2,3	1		100
	CHROMIUM, EXTRACTABLE	UG/L	2,3	1		100
	CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	2,3	1		100
	CHROMIUM, HEXAVALENT	UG/L	3	2		16
	CHROMIUM, SUSPENDED	UG/L	2,3	1		100
	CHROMIUM, TOTAL	UG/L	2,3	1		100
	COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	1	2		18
	COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	3	2		18
	COPPER, DISSOLVED	UG/L	3	2		13.4
	COPPER, EXTRACTABLE	UG/L	1	2		18
	COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	3	2		13.4
	COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	1	2		18
	COPPER, POTENTIALLY DISSOLVED WATER	MG/L	3	2		0.018
	COPPER, SUSPENDED	UG/L	3	2		13.4
	COPPER, TOTAL	UG/L	3	2		13.4
	COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	3	2		13.4
	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	1,3	2		22
	LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	2,3	1		15
	LEAD, DISSOLVED	UG/L	2,3	1		15
	LEAD, EXTRACTABLE	UG/L	2,3	1		15
	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	2,3	1		15
	LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	2	1		0.015
	LEAD, SUSPENDED	UG/L	2,3	1		15
	LEAD, TOTAL	UG/L	2,3	1		15
LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	2,3	1		15	
MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	3	1		0.05	

Parameter type	Parameter	Units	Source	Standard type	Min	Max
Metal	MERCURY, DISSOLVED	UG/L	3	1		0.05
	MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	2	1		0.002
	MERCURY, SUSPENDED	UG/L	3	1		0.05
	MERCURY, TOTAL	UG/L	3	1		0.05
	MERCURY, TOTAL RECOVERABLE IN WATER AS HG	UG/L	3	1		0.05
	NICKEL, DISSOLVED	UG/L	2,3	1		100
	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	2,3	1		100
	NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	2,3	1		0.1
	NICKEL, SUSPENDED	UG/L	2,3	1		100
	NICKEL, TOTAL	UG/L	2,3	1		100
	NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	2,3	1		100
	SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	1	2		20
	SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	1,3	2		20
	SELENIUM, DISSOLVED	UG/L	1,3	2		20
	SELENIUM, DISSOLVED ORGANIC	UG/L	1,3	2		20
	SELENIUM, HEXAVALENT, DISSOLVED	UG/L	1,3	2		20
	SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	1	2		0.02
	SELENIUM, SUSPENDED	UG/L	1,3	2		20
	SELENIUM, TETRAVALENT, DISSOLVED	UG/L	1,3	2		20
	SELENIUM, TOTAL	UG/L	1,3	2		20
	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE	UG/L	1,3	2		20
	SILVER, DISSOLVED	UG/L	3	2		3.4
	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	3	2		3.4
	SILVER, IONIC	UG/L	3	2		3.4
	SILVER, POTENTIALLY DISSOLVED WATER	MG/L	1	2		0.0041
	SILVER, SUSPENDED	UG/L	3	2		3.4
	SILVER, TOTAL	UG/L	3	2		3.4
	SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	3	2		3.4
	THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	3	1		1.7
	THALLIUM, DISSOLVED	UG/L	3	1		1.7
	THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	2	1		0.0017
	THALLIUM, SUSPENDED	UG/L	3	1		1.7
	THALLIUM, TOTAL	UG/L	3	1		1.7
	THALLIUM, TOTAL RECOVERABLE <95%	UG/L	3	1		1.7
	THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	3	1		1.7
	ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	3	1		117.2
	ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	3	1		117.2
	ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	3	1		117.2
	ZINC, DISSOLVED	UG/L	3	1		117.2
	ZINC, EXTRACTABLE	UG/L	3	1		117.2
	ZINC, EXTRACTABLE, FIELD ACID W/HNO3, LAB FILTR	UG/L	3	1		117.2
	ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	3	1		117.2
	ZINC, POTENTIALLY DISSOLVED WATER	MG/L	1	2		0.12
ZINC, SUSPENDED	UG/L	3	1		117.2	
ZINC, TOTAL	UG/L	3	1		117.2	
Nitrogen	NITRATE NITROGEN, DISSOLVED AS N	MG/L	2,3	1		10
	NITRATE NITROGEN, TOTAL AS N	MG/L	2,3	1		10



Parameter type	Parameter	Units	Source	Standard type	Min	Max
Nitrogen	NITRITE + NITRATE, SUSPENDED AS N	MG/L	2,3	1		10
	NITRITE NITROGEN, DISSOLVED AS N	MG/L	2,3	1		1
	NITRITE NITROGEN, TOTAL AS N	MG/L	2,3	1		1
	NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	2,3	1		10
	NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	2,3	1		10
	NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	2	1		44
	NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	2	1		44
	NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	2	1		3.3
	NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	2	1		3.3
Pesticide	2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	2	1		7
	ALDICARB IN WHOLE WATER	UG/L	2	1		3
	ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	2	1		3
	BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	3	1		7.5E-04
	DALAPON, WATER, DISSOLVED	UG/L	2	1		200
	DALAPON, WATER, SUSPENDED	UG/L	2	1		200
	DALAPON, WATER, TOTAL	UG/L	2	1		200
	DALAPON, WATER, WHOLE RECOVERABLE	UG/L	2	1		200
	DINOSEB, DISSOLVED	UG/L	2,3	1		7
	DINOSEB, SUSPENDED	UG/L	2,3	1		7
	DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	2,3	1		7
	DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	2,3	1		20
	DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	2	1		7
	ENDOTHALL, WHOLE WATER SAMPLE	UG/L	2,3	1		100
	MONOSODIUM METHANEARSONATE (MSMA)	UG/L	2	1		50
	OXAMYL, DISSOLVED	UG/L	2,3	1		200
	OXAMYL, SUSPENDED	UG/L	2,3	1		200
	OXAMYL, TOTAL	UG/L	2,3	1		200
	OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	2,3	1		200
	PICLORAM IN WHOLE WATER SAMPLE	UG/L	2,3	1		500
	ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	2,3	1		700
	SIMAZINE IN WHOLE WATER	UG/L	2,3	1		4
	SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	2,3	1		4
	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	2,3	1		4
	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	3	1		10
	2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	2,3	1		70
	2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	2,3	1		70
	2,4-D IN WHOLE WATER SAMPLE	UG/L	2,3	1		70
	ACROLEIN, DISSOLVED	UG/L	3	1		320
	ACROLEIN, SUSPENDED	UG/L	3	1		320
	ACROLEIN, TOTAL	UG/L	3	1		320
	ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	2,3	1		2
	ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	3	1		0.0013
	ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	3	1		0.0013
	ALDRIN IN WHOLE WATER SAMPLE	UG/L	3	1		0.0013
	ATRAZINE DISSOLVED IN WATER	PPB	2,3	1		3
	ATRAZINE IN WHOLE WATER SAMPLE	UG/L	2,3	1		3
	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	2,3	1		3

Parameter type	Parameter	Units	Source	Standard type	Min	Max
Pesticide	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	2,3	1		40
	CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	2,3	1		40
	CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	3	1		0.0021
	CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	3	1		0.0021
	CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	3	1		0.0021
	CHLORPYRIFOS, DISSOLVED	UG/L	1,3	2		0.083
	CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	1,3	2		0.083
	DBCP, WATER, DISSOLVED	UG/L	2	1		0.2
	DBCP, WATER, SUSPENDED	UG/L	2	1		0.2
	DBCP, WATER, TOTAL	UG/L	2	1		0.2
	DDD IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	1		5.9E-04
	DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	1		5.9E-04
	DDD IN WHOLE WATER SAMPLE	UG/L	3	1		5.9E-04
	DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	1		8.3E-04
	DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	1		8.3E-04
	DDE IN WHOLE WATER SAMPLE	UG/L	3	1		8.3E-04
	DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	1		5.9E-04
	DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	1		5.9E-04
	DDT IN WHOLE WATER SAMPLE	UG/L	3	1		5.9E-04
	DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	2	1		0.2
	DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	2	1		0.2
	DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	2	1		0.2
	DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	2	1		0.2
	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	1		1.4E-04
	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	1		1.4E-04
	DIELDRIN IN WHOLE WATER SAMPLE	UG/L	3	1		1.4E-04
	DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	1	2		0.083
	DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	1	2		0.083
	ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	3	2		0.11
	ENDOSULFAN, ALPHA, DISSOLVED	UG/L	3	2		0.11
	ENDOSULFAN, ALPHA, SUSPENDED	UG/L	3	2		0.11
	ENDOSULFAN, ALPHA, TOTAL	UG/L	3	2		0.11
	ENDOSULFAN, BETA, DISSOLVED	UG/L	3	2		0.11
	ENDOSULFAN, BETA, SUSPENDED	UG/L	3	2		0.11
	ENDOSULFAN, BETA, TOTAL	UG/L	3	2		0.11
	ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	3	2		0.11
	ENDOSULFAN, DISSOLVED IN WATER	UG/L	3	2		0.11
	ENDOSULFAN, SUSPENDED IN WATER	UG/L	3	2		0.11
	ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	2		0.086
	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	2		0.086
	ENDRIN IN WHOLE WATER SAMPLE	UG/L	3	2		0.086
	ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	2	1		0.05
	ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	1	2		0.065
ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	1	2		0.065	
GAMMA-BHC(LINDANE), DISSOLVED	UG/L	3	1		0.019	
GAMMA-BHC(LINDANE), SUSPENDED	UG/L	3	1		0.019	
GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	3	1		0.019	

Parameter type	Parameter	Units	Source	Standard type	Min	Max
	HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	3	1		2.1E-04
	HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	3	1		1.0E-04
	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	3	1		1.0E-04
	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	3	1		1.0E-04
	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	1		2.1E-04
	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	1		2.1E-04
	HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	3	1		2.1E-04
	HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	3	1		7.5E-04
	ISOPHORONE, DISSOLVED	UG/L	3	1		36
	ISOPHORONE, SUSPENDED	UG/L	3	1		36
	ISOPHORONE, TOTAL	UG/L	3	1		36
	LINDANE IN WHOLE WATER SAMPLE	UG/L	3	1		0.019
	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	3	1		0.019
	METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	2,3	1		40
	METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	2,3	1		40
	METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	2,3	1		40
	METHOXYCHLOR, DISSOLVED IN WATER	UG/L	2,3	1		40
	METHOXYCHLOR, SUSPENDED IN WATER	UG/L	2,3	1		40
	P,P' DDD IN WHOLE WATER SAMPLE	UG/L	1	2		0.6
	P,P' DDE IN WHOLE WATER SAMPLE	UG/L	1	2		1050
	P,P' DDT IN WHOLE WATER SAMPLE	UG/L	1	2		1.1
	P,P'-DDD, DISSOLVED	UG/L	1	2		0.6
	P,P'-DDD, SUSPENDED	UG/L	1	2		0.6
	P,P'-DDE, DISSOLVED	UG/L	1	2		1050
	P,P'-DDE, SUSPENDED	UG/L	1	2		1050
	P,P'-DDT, DISSOLVED	UG/L	1	2		1.1
	P,P'-DDT, SUSPENDED	UG/L	1	2		1.1
	PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	1,3	2		0.065
	PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	1,3	2		0.065
	PARATHION IN WHOLE WATER SAMPLE	UG/L	1,3	2		0.065
	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	3	1		0.28
	PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	3	1		0.28
	PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	3	1		0.28
	R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	3	1		0.019
	R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	3	1		0.019
	SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	2	1		50
	SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	2	1		50
	SILVEX IN WHOLE WATER SAMPLE	UG/L	2	1		50
	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	3	1		0.0073
	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	3	1		0.0073
	TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	3	1		0.0073
	UNKNOWN AS PARATHION IN WHOLE WATER SAMPLE	UG/L	1	2		0.065
Physical	TURBIDITY, FIELD	NTU	7	1		50
	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	7	1		50
	TURBIDITY, JACKSON CANDLE UNITS	JTU	7	1		50
	TURBIDITY, LAB	NTU	7	1		50
	PH	SU	3	4	6.5	9

Parameter type	Parameter	Units	Source	Standard type	Min	Max
	PH, FIELD	SU	3	4	6.5	9
	PH, LAB	SU	3	4	6.5	9
Radiological	RADIUM 226, DISSOLVED	PC/L	2	1		5
	RADIUM 226, SUSPENDED	PC/L	2	1		5
	RADIUM 226, TOTAL	PC/L	2	1		5
	RADIUM 228, TOTAL	PC/L	2	1		5
	STRONTIUM 90, DISSOLVED	PC/L	2	1		8
	STRONTIUM 90, SUSPENDED	PC/L	2	1		8
Radiological	STRONTIUM 90, TOTAL	PC/L	2	1		8
	TRITIUM, DISSOLVED	PC/L	2	1		2.0E+04
	TRITIUM, SUSPENDED	PC/L	2	1		2.0E+04
	TRITIUM, TOTAL	PC/L	2	1		2.0E+04
	TRITIUM, TOTAL, WATER	PC/ML	2	1		20
	URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	2	1		20
	URANIUM, NATURAL, TOTAL	UG/L	2	1		20
	URANIUM, NATURAL, TOTAL	MG/L	2	1		20
	RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	2	1		5
	RADIUM 226 + RADIUM 228, TOTAL	PC/L	2	1		5

**APPENDIX B – Water Quality Monitoring Sites**

## Appendix B

### STATION LOCATION NAMES

Notes:

1. Location descriptions for stations GRTE0001 through GRTE0679 are the same as those contained in Horizon Systems Corporation (1997). Typographical and other errors have not been corrected.
2. For stations with a location description of the form “M#####”, #####, or W#####, where # is a number between 0 and 9, the location description is the “LASLID” (Los Alamos Scientific Laboratory Sample Identification Number).

Station ID	Location / name
GRTE0001	KELLY AVENUE DIVERSION
GRTE0002	SPRING C NR JACKSON WYO
GRTE0003	SPRING CREEK AS IT FLOWS UNDER HIGHWAY 22
GRTE0004	L12241
GRTE0005	LOWER CACHE CREEK
GRTE0006	FLAT CREEK NORTH OF JACKSON
GRTE0007	FLAT CREEK; UPSTREAM OF MCBRIDE BRIDGE
GRTE0008	FLAT CREEK AT US HWY 26 CROSSING N OF JACKSON
GRTE0009	FLAT CREEK AS IT EXITS THE NATIONAL ELK REFUGE
GRTE0010	MILLER SPRINGS AT THE NATIONAL ELK REFUGE
GRTE0011	SNAKE RIVER NEAR WILSON WYOMING
GRTE0012	L12401
GRTE0013	L12402
GRTE0014	L12453
GRTE0015	L12413
GRTE0016	FLAT CREEK LAKE WEST OF JACKSON WY
GRTE0017	FLAT CR 1MI DOWNSTREAM OF NATIONAL FISH HATCHERY
GRTE0018	NOWLIN CREEK WHERE IT JOINS FLAT CREEK
GRTE0019	L12449
GRTE0020	L12448
GRTE0021	L12447
GRTE0022	FLAT CREEK ADJACENT TO NATIONAL FISH HATCHERY
GRTE0023	L12411
GRTE0024	L12399
GRTE0025	L12443
GRTE0026	WARM SP. AT WARM SPR RANCH
GRTE0027	L12444
GRTE0028	JACKSON NFH FLAT CREEK
GRTE0029	L12397
GRTE0030	L12450
GRTE0031	JACKSON NFH FLAT CREEK
GRTE0032	JACKSON NFH FLAT CREEK
GRTE0033	JACKSON NFH FLAT CREEK
GRTE0034	FLAT CREEK AT NATIONAL ELK REFUGE ACCESS ROAD
GRTE0035	JACKSON NFH FLAT CREEK
GRTE0036	GROS VENTRE R AT CNTY BRIDGE 5 MI N OF JACKSON
GRTE0037	GROS VENTRE RIVER AT ZENITH WY

GRTE0038 BAR B C SPRING 5 MILES NORTH OF JACKSON WY  
 GRTE0039 L12409  
 GRTE0040 L12414  
 GRTE0041 41-115-01BBA01  
 GRTE0042 L12445  
 GRTE0043 FLAT CREEK AS IT ENTERS NATIONAL ELK REFUGE  
 GRTE0044 L12408  
 GRTE0045 FLAT CREEK NEAR JACKSON, WY  
 GRTE0046 L12446  
 GRTE0047 GROS VENTRE RIVER AT HIGHWAY 89  
 GRTE0048 FISH CR 1 MILE BL HEADWATERS & SEEP FR TETON V.  
 GRTE0049 SPRING NORTHWEST OF JACKSON WY  
 GRTE0050 L12451  
 GRTE0051 JACKSON HOLE SKI CORP TETON VILL  
 GRTE0052 ALKALI C NR KELLY WYO  
 GRTE0053 SUPPLY SPRING NEAR TETON VILLAGE  
 GRTE0054 SUPPLY SPR TETON VILLAGE 42-117-24BAD  
 GRTE0055 L12454  
 GRTE0056 LAKE C NR TETON VILLAGE, GTNP, WYO  
 GRTE0057 GRANITE CR NR TETON VILLAGE, GTNP, WYO  
 GRTE0058 L12452  
 GRTE0059 GROS VENTRE RIVER BL KELLY WY  
 GRTE0060 L12376  
 GRTE0061 L12379  
 GRTE0062 L12380  
 GRTE0063 L12381  
 GRTE0064 GRANITE CANYON; FIRST BRIDGE ON TRAIL  
 GRTE0065 GRIZZLY LAKE EAST OF KELLY WY  
 GRTE0066 L12383  
 GRTE0067 GROS VENTRE RIVER AT KELLEY, WY  
 GRTE0068 WARM SPRING AT TETON VALLEY RANCH  
 GRTE0069 WARM SPRING AT TETON VALLEY RNCH  
 GRTE0070 L12205  
 GRTE0071 L12386  
 GRTE0072 GROS VENTRE AT OUTLET OF LOWER SLIDE LAKE, WYO  
 GRTE0073 TOWN OF TETON VILLAGE WY  
 GRTE0074 LOWER SLIDE LAKE NORTH EAST OF JACKSON WY  
 GRTE0075 OUTLET; PHELPS LAKE  
 GRTE0076 L12359  
 GRTE0077 EAST END OF PHELPS LAKE  
 GRTE0078 KELLY WARM SPRING; SPRING #VA90  
 GRTE0079 L12387  
 GRTE0080 L12385  
 GRTE0081 KELLY WARM SP NR KELLY, GTNP, WY.  
 GRTE0082 L12357  
 GRTE0083 STEWART DRAW NR MOOSE GTNP WYO  
 GRTE0084 L12356  
 GRTE0085 PHELPS LAKE  
 GRTE0086 L12202  
 GRTE0087 L12204  
 GRTE0088 WEST END OF PHELPS LAKE  
 GRTE0089 L12072  
 GRTE0090 INLET; PHELPS LAKE  
 GRTE0091 FORGET-ME-NOT LAKE; LAKE #SD11  
 GRTE0092 PHELPS LAKES NORTH OF JACKSON WY  
 GRTE0093 FORGET-ME-NOT LAKE; LAKE #SD12

GRTE0094 SNAKE R BEL MOOSE WYO  
 GRTE0095 SOUTH OF BRIDGE AT MOOSE  
 GRTE0096 FORGET-ME-NOT-LAKE; LAKE #SD10  
 GRTE0097 FORGET-ME-NOT LAKE; LAKE #SD13  
 GRTE0098 L12077  
 GRTE0099 SPR. NR MOOSE 43-116-35BBC  
 GRTE0100 SNAKE RIVER AT MOOSE, WY H9493  
 GRTE0101 SPRING AT HARDEMAN TRACT SITE  
 GRTE0102 L12351  
 GRTE0103 L12352  
 GRTE0104 L12089  
 GRTE0105 L12182  
 GRTE0106 NORTH OF FORGET-ME-NOT LAKE; POND #SD01  
 GRTE0107 L12354  
 GRTE0108 DITCH CREEK; ANTELOPE FLATS BRIDGE  
 GRTE0109 DITCH CR NR MOOSE  
 GRTE0110 L12087  
 GRTE0111 SNAKE R AB MOOSE WYO  
 GRTE0112 L12075  
 GRTE0113 LAT-LONG 4339571105720  
 GRTE0114 L12076  
 GRTE0115 DITCH CREEK; TETON SCIENCE SCHOOL SITE 3  
 GRTE0116 BLACKTAIL PONDS AT OUTLET NR MOOSE GTNP WY  
 GRTE0117 L12355  
 GRTE0118 L12353  
 GRTE0119 L12074  
 GRTE0120 L12203  
 GRTE0121 DITCH CREEK  
 GRTE0122 L12347  
 GRTE0123 L12181  
 GRTE0124 LAT-LONG 4340291105930  
 GRTE0125 DITCH CR GRTE/BRIDGER-TETON NF BOUNDARY  
 GRTE0126 COTTONWOOD CREEK NEAR MOOSE  
 GRTE0127 L12119  
 GRTE0128 DITCH C BEL S FR NR KELLY WYO  
 GRTE0129 APPROX. 1.5 KM WEST OF STATIC PEAK; POND #ND12  
 GRTE0130 L12090  
 GRTE0131 1 KILOMETER WEST OF STATIC PEAK; POND #ND11  
 GRTE0132 DITCH CREEK  
 GRTE0133 LAT-LONG 4341031105726  
 GRTE0134 L12390  
 GRTE0135 L12389  
 GRTE0136 L12118  
 GRTE0137 TIMBERLINE LAKE; LAKE #ND10  
 GRTE0138 BEAVER CREEK NEAR MOOSE  
 GRTE0139 L12348  
 GRTE0140 L12200  
 GRTE0141 DITCH CREEK; EAST OF USFS BOUNDARY  
 GRTE0142 L12350  
 GRTE0143 L12115  
 GRTE0144 L12349  
 GRTE0145 TAGGART CREEK AS IT PASSES UNDER TETON PARK RD  
 GRTE0146 TAGGART CREEK NR MOOSE GTNP WYO  
 GRTE0147 L12095  
 GRTE0148 L12071  
 GRTE0149 L12199



GRTE0150 SPRING AT SHADOW MOUNTAIN SITE  
 GRTE0151 COTTONWOOD CREEK ABOVE TAGGERT CREEK  
 GRTE0152 OUTLET; TAGGART LAKE  
 GRTE0153 HARDEMAN RESERVOIR #1 NORTHEAST OF JACKSON WY  
 GRTE0154 SOUTH FORK OF AVALANCHE CANYON  
 GRTE0155 APPROX. 4 MILES NORTH OF MOOSE; WY  
 GRTE0156 43-115-12CBD01  
 GRTE0157 ANTELOPE SPRING NR KELLY, WY  
 GRTE0158 TAGGART LAKE  
 GRTE0159 AVALANCHE CANYON; 20' UPSTREAM OF TAGGART LAKE  
 GRTE0160 INLET; TAGGART LAKE  
 GRTE0161 TAGGART LAKE; LAKE #AV10  
 GRTE0162 L12096  
 GRTE0163 TAMINAH LAKE; LAKE #AV11  
 GRTE0164 SNOWDRIFT LAKE; LAKE #AV12  
 GRTE0165 L12198  
 GRTE0166 EAST OF BRADLEY LAKE; POND #GR10  
 GRTE0167 BRADLEY LAKE  
 GRTE0168 BRADLEY LAKE; LAKE #GR11  
 GRTE0169 INLET; BRADLEY LAKE  
 GRTE0170 WEST OF BRADLEY LAKE; POND #GR12  
 GRTE0171 KIT LAKE; LAKE #AV13  
 GRTE0172 NORTH BRANCH OF BRADLEY LAKE INLET  
 GRTE0173 L12392  
 GRTE0174 L12391  
 GRTE0175 L12393  
 GRTE0176 GARNETT CANYON; MEADOWS CAMPING AREA  
 GRTE0177 L12097  
 GRTE0178 GARNET CANYON; SITE G-6  
 GRTE0179 COTTONWOOD CREEK BELOW GLACIER GULCH  
 GRTE0180 APPROX 1 MILE SE OF ICEFLOW LAKE; POND# SC01  
 GRTE0181 GARNETT CANYON; PLATFORMS CAMPING AREA  
 GRTE0182 1/3 MILE SOUTHWEST OF ICEFLOW LAKE; LAKE #SC11  
 GRTE0183 GARNETT CANYON CK; 1 1/3 MI WEST OF BRADLEY LK  
 GRTE0184 GARNETT CANYON CK; 1 1/3 MI WEST OF BRADLEY LK  
 GRTE0185 GARNET CANYON; SITE G-4  
 GRTE0186 GARNET CANYON; SITE G-3  
 GRTE0187 SCHOOLROOM LAKE; LAKE #SC20  
 GRTE0188 ICEFLOW LAKE; LAKE #SC10  
 GRTE0189 DOWNSTREAM OF SURPRISE LAKE; SITE G-5  
 GRTE0190 DOWNSTREAM OF SURPRISE LAKE; SITE 1  
 GRTE0191 DOWNSTREAM OF SURPRISE LAKE; SITE 2  
 GRTE0192 DOWNSTREAM OF SURPRISE LAKE; SITE 3  
 GRTE0193 DOWNSTREAM OF SURPRISE LAKE; SITE 4  
 GRTE0194 DOWNSTREAM OF SURPRISE LAKE; SITE 5  
 GRTE0195 DOWNSTREAM OF SURPRISE LAKE; SITE S-4  
 GRTE0196 DOWNSTREAM OF SURPRISE LAKE; SITE S-5  
 GRTE0197 L12098  
 GRTE0198 SURPRISE LAKE; LAKE #GR13  
 GRTE0199 L12171  
 GRTE0200 SURPRISE LAKE  
 GRTE0201 COTTONWOOD CREEK; SITE V-8  
 GRTE0202 OUTLET; SURPRISE LAKE  
 GRTE0203 INLET; SURPRISE LAKE  
 GRTE0204 OUTLET; AMPHITHEATER LAKE  
 GRTE0205 AMPHITHEATER LAKE; LAKE #GR14

GRTE0206 AMPHITHEATER LAKE  
 GRTE0207 L12172  
 GRTE0208 INLET; AMPHITHEATER LAKE  
 GRTE0209 COTTONWOOD C AB GLACIER GULCH NR MOOSE, GTNP  
 GRTE0210 GARNET CANYON; SITE G-2  
 GRTE0211 L12170  
 GRTE0212 INLET; DELTA LAKE  
 GRTE0213 DELTA LAKE  
 GRTE0214 DELTA LAKE; LAKE #GG10  
 GRTE0215 SNAKE R NR UPPER SCHWABACKER LANDING  
 GRTE0216 GARNET CANYON; SITE G-1  
 GRTE0217 COTTONWOOD CREEK; SITE 8  
 GRTE0218 L12123  
 GRTE0219 COTTONWOOD CREEK; SITE V-7  
 GRTE0220 L12122  
 GRTE0221 MOOSE POND; POND #MP10  
 GRTE0222 COTTONWOOD CREEK AT OUTLET TO JENNY LAKE  
 GRTE0223 COTTONWOOD CREEK; SITE 7  
 GRTE0224 COTTONWOOD CREEK; SITE 6  
 GRTE0225 COTTONWOOD CREEK; SITE 5  
 GRTE0226 L12099  
 GRTE0227 MOOSE POND; POND #MP12  
 GRTE0228 MOOSE POND; POND #MP11  
 GRTE0229 COTTONWOOD CREEK; SITE 4  
 GRTE0230 L12169  
 GRTE0231 COTTONWOOD CREEK; SITE 3  
 GRTE0232 L12057  
 GRTE0233 COTTONWOOD CREEK; SITE 2  
 GRTE0234 CTNWD. C AT OUTLET OF JENNY LK NR MOOSE GTNP WYO  
 GRTE0235 COTTONWOOD CREEK; SITE 1  
 GRTE0236 JENNY LAKE OUTLET; SITE V-6  
 GRTE0237 HEDRICK POND; POND #VA80  
 GRTE0238 SOUTH END OF JENNY LAKE  
 GRTE0239 TETON CK NR DRIGGS ID  
 GRTE0240 L12125  
 GRTE0241 HEDRICK WETLAND  
 GRTE0242 L12124  
 GRTE0243 44N 117W  
 GRTE0244 LAT-LONG 4345371105457  
 GRTE0245 L12049  
 GRTE0246 L12126  
 GRTE0247 CASCADE CANYON SOUTH SIDE OF STORM POINT  
 GRTE0248 L12168  
 GRTE0249 CASCADE CANYON; SITE C-3  
 GRTE0250 L12055  
 GRTE0251 CASCADE CANYON; SITE C-5  
 GRTE0252 EAST SIDE OF JENNY LAKE; SITE V-5  
 GRTE0253 CASCADE CREEK NR JENNY LAKE LODGE GTNP WYO  
 GRTE0254 DOWNSTREAM OF HIDDEN FALLS; CASCADE CANYON  
 GRTE0255 L12167  
 GRTE0256 CASCADE CANYON; SITE C-8  
 GRTE0257 NORTH BRANCH OF JENNY LAKE INLET  
 GRTE0258 CASCADE CANYON; SITE C-7  
 GRTE0259 CASCADE CANYON CREEK NEAR HIDDEN FALLS  
 GRTE0260 JENNY LAKE INLET FROM CASCADE CANYON CREEK  
 GRTE0261 CASCADE CANYON CREEK; 1/3 MI WEST OF JENNY LAKE

GRTE0262 JENNY LAKE NORTH OF JACKSON WY  
 GRTE0263 L12176  
 GRTE0264 L12054  
 GRTE0265 L12166  
 GRTE0266 L12175  
 GRTE0267 L12056  
 GRTE0268 L12165  
 GRTE0269 NORTH END OF JENNY LAKE  
 GRTE0270 L12161  
 GRTE0271 L12177  
 GRTE0272 L12160  
 GRTE0273 44-112-13DAD01  
 GRTE0274 CASCADE CANYON; SITE C-2  
 GRTE0275 LAKE OF THE CRAGS  
 GRTE0276 INLET; LAKE OF THE CRAGS  
 GRTE0277 L12173  
 GRTE0278 OUTLET; LAKE OF THE CRAGS  
 GRTE0279 SPREAD C AB SKULL C NR MORAN WYO  
 GRTE0280 JENNY LAKE INLET FROM STRING LAKE  
 GRTE0281 L12195  
 GRTE0282 L12051  
 GRTE0283 L12164  
 GRTE0284 L12053  
 GRTE0285 L12121  
 GRTE0286 LAT-LONG 4346461105832  
 GRTE0287 L12162  
 GRTE0288 LAUREL LAKE  
 GRTE0289 POTHOLE POND; POND #VA71  
 GRTE0290 STRING LAKE (BEAVERDICK LAKE) NRTH OF JACKSON WY  
 GRTE0291 MICA LAKE; LAKE #NC20  
 GRTE0292 POTHOLE POND; POND #VA70  
 GRTE0293 OUTLET; STRING LAKE  
 GRTE0294 STRING LAKE; SITE V-4  
 GRTE0295 L12163  
 GRTE0296 STRING LAKE  
 GRTE0297 UNNAMED SPRING NR MOOSE HEAD RANCH  
 GRTE0298 SPREAD CREEK ABOVE US HWY 187, NEAR ELK WY  
 GRTE0299 POTHOLE POND; POND #VA72  
 GRTE0300 L12052  
 GRTE0301 APPROX 1/3 OF A MI SW OF HOLLY LAKE; POND #PB20  
 GRTE0302 L12194  
 GRTE0303 SPREAD C NR MORAN WY  
 GRTE0304 L12184  
 GRTE0305 L12086  
 GRTE0306 OUTLET; LAKE SOLITUDE  
 GRTE0307 OUTLET; HOLLY LAKE  
 GRTE0308 LAKE SOLITUDE; LAKE #NC10  
 GRTE0309 LAKE SOLITUDE  
 GRTE0310 HOLLY LAKE  
 GRTE0311 HOLLY LAKE; LAKE #PB10  
 GRTE0312 INLET; HOLLY LAKE  
 GRTE0313 INLET; LAKE SOLITUDE  
 GRTE0314 LAKE SOLITUDE; SITE C-1  
 GRTE0315 0.5 MILES SW OF GRIZZLY BEAR LAKE; POND #LE22  
 GRTE0316 SPREAD CREEK BELOW US HWY 187, NEAR ELK, WY  
 GRTE0317 LEIGH LAKE OUTLET; SITE V-3

GRTE0318 INLET; STRING LAKE  
 GRTE0319 LEIGH LAKE OUTLET NR JENNY LAKE LODGE WYO  
 GRTE0320 OUTLET; LEIGH LAKE  
 GRTE0321 L12103  
 GRTE0322 0.25 MILES SW OF GRIZZLY BEAR LAKE; POND #LE21  
 GRTE0323 GRIZZLY BEAR LAKE; LAKE #LE20  
 GRTE0324 SOUTHEAST END OF LEIGH LAKE  
 GRTE0325 LEIGH CANYON NEAR MINK LAKE; SITE L-1  
 GRTE0326 LEIGH CANYON; SITE L-2  
 GRTE0327 PAINTBRUSH CANYON; 100' UPSTREAM OF LEIGH LAKE  
 GRTE0328 PAINTBRUSH CANYON INLET; LEIGH LAKE  
 GRTE0329 SNAKE RIVER AB SPREAD CREEK NR MORAN WYO  
 GRTE0330 L12154  
 GRTE0331 LEIGH CANYON; 120' UPSTREAM OF LEIGH LAKE  
 GRTE0332 LEIGH CANYON; SITE L-3  
 GRTE0333 WEST END OF LEIGH LAKE  
 GRTE0334 L12104  
 GRTE0335 LEIGH CANYON INLET; LEIGH LAKE  
 GRTE0336 SNAKE RIVER WETLAND  
 GRTE0337 WEST SPAULDING BAY; JACKSON LAKE  
 GRTE0338 2.75 MILES SOUTHEAST OF CIRQUE LAKE; POND #LE11  
 GRTE0339 2.75 MILES SOUTHEAST OF CIRQUE LAKE; POND #LE10  
 GRTE0340 L12105  
 GRTE0341 L12128  
 GRTE0342 STANDING WATER NEAR S. LANDING OF JACKSON LAKE  
 GRTE0343 OFF SHORE OF SOUTH LANDING; JACKSON LAKE  
 GRTE0344 L12127  
 GRTE0345 L12179  
 GRTE0346 Signal Mountain Effluent at SM5, nearA9A99  
 GRTE0347 EAST SPAULDING BAY; JACKSON LAKE  
 GRTE0348 LEIGH LAKE; SITE V-2  
 GRTE0349 DOWNSTREAM OF BEAR PAW LAKE; SITE V-1  
 GRTE0350 CIRQUE LAKE; LAKE #MO10  
 GRTE0351 BEARPAW LAKE; LAKE #BP11  
 GRTE0352 TRAPPER LAKE  
 GRTE0353 APPROX 0.25 MI EAST OF CIRQUE LAKE; POND #MO23  
 GRTE0354 NORTHEAST OF BEARPAW LAKE; POND #BP10  
 GRTE0355 APPROX 1/3 MILE EAST OF CIRQUE LAKE; POND #MO24  
 GRTE0356 TRAPPER LAKE; LAKE #BP12  
 GRTE0357 TRAPPER LAKE NORTH OF JACKSON WY  
 GRTE0358 BEAR PAW LAKE NORTH OF JACKSON WY  
 GRTE0359 LOWER GREEN LAKE NORTHWEST OF JACKSON WY  
 GRTE0360 MID GREEN LAKE NORTHWEST OF JACKSON WY  
 GRTE0361 APPROX 1/10 MI NORTH OF CIRQUE LAKE; POND #MO01  
 GRTE0362 BUFFALO FORK NEAR MORAN, WY  
 GRTE0363 BUFFALO FORK ABOVE LAVA CREEK NEAR MORAN, WY  
 GRTE0364 APPROX 0.5 MILES NE OF CIRQUE LAKE; POND #MO22  
 GRTE0365 BEARPAW CREEK AT JACKSON LAKE  
 GRTE0366 APPROX 0.5 MI EAST OF SIGNAL MTN CG; POND #VA60  
 GRTE0367 SIGNAL MOUNT WETLAND  
 GRTE0368 APPROX 0.75 MILES NE OF CIRQUE LAKE; POND #MO21  
 GRTE0369 L12186  
 GRTE0370 LAVA CR AB U.S. HWY 26-287  
 GRTE0371 SOUTH OF MARIE ISLAND; JACKSON LAKE  
 GRTE0372 JACKSON LAKE; SOUTH OF ELK ISLAND  
 GRTE0373 JACKSON LAKE .4 MILES WEST OF DAM

GRTE0374 SNAKE R BELOW JACKSON DAM,1500 FT U/S PACIFIC CK  
 GRTE0375 TRACY LAKE NORTHEAST OF JACKSON WY  
 GRTE0376 JACKSON LAKE AT COULTER BAY WY  
 GRTE0377 JACKSON LAKE AT ELK ISLAND NORTH OF JACKSON WY  
 GRTE0378 CATHOLIC BAY; JACKSON LAKE  
 GRTE0379 PACIFIC CREEK AT HIGHWAY 89 BRIDGE  
 GRTE0380 L12085  
 GRTE0381 PACIFIC CREEK AT MORAN, WY  
 GRTE0382 L12191  
 GRTE0383 JACKSON LAKE NEAR DAM  
 GRTE0384 JACKSON LAKE,700 FT U/S OF DAM,SOUTH BANK  
 GRTE0385 SNAKE RIVER 2000 FT U/S OXBOW BEND AT CAT BRIDGE  
 GRTE0386 SNAKE RIVER BELOW JACKSON LAKE DAM  
 GRTE0387 JACKSON LAKE NEAR DAM  
 GRTE0388 SNAKE RIVER NEAR MORAN, WY  
 GRTE0389 SPRING CR NR JACKSON LAKE DAM  
 GRTE0390 SNAKE R B'LOW JACKSON LK DAM  
 GRTE0391 LOZIER WETLAND  
 GRTE0392 1 MILE DOWNSTREAM FROM DAM  
 GRTE0393 MORAN CREEK; 100' UPSTREAM OF JACKSON LAKE  
 GRTE0394 MORAN CREEK; 100' UPSTREAM OF JACKSON LAKE  
 GRTE0395 MORAN CREEK; 100' UPSTREAM OF JACKSON LAKE  
 GRTE0396 L12094  
 GRTE0397 MORAN BAY; JACKSON LAKE  
 GRTE0398 L12156  
 GRTE0399 PILGRIM CREEK AT JACKSON LAKE  
 GRTE0400 THIRD CREEK AT JACKSON LAKE  
 GRTE0401 L12193  
 GRTE0402 L12026  
 GRTE0403 OUTLET; EMMA MATILDA LAKE  
 GRTE0404 EMMA MATILDA LAKE NR MORAN GTNP WYO  
 GRTE0405 CHRISTIAN POND; POND #VA40  
 GRTE0406 OUTLET; CHRISTIAN POND  
 GRTE0407 INLET; CHRISTIAN POND  
 GRTE0408 DUDLEY LAKE; LAKE #SS10  
 GRTE0409 L12108  
 GRTE0410 L12062  
 GRTE0411 L12106  
 GRTE0412 L12060  
 GRTE0413 JACKSON LAKE AT HALF MOON BAY NORTH OF JACKSON  
 GRTE0414 WEST END OF EMMA MATILDA LAKE  
 GRTE0415 N MORAN CREEK; 1/4 MI UPSTREAM OF JACKSON LAKE  
 GRTE0416 N MORAN CREEK; 1/4 MI UPSTREAM OF JACKSON LAKE  
 GRTE0417 NORTH MORAN CR; 1/4 MI UPSTREAM OF JACKSON LK  
 GRTE0418 LOWER THIRD CREEK; SWAN LAKE OUTLET  
 GRTE0419 OUTLET; SWAN LAKE  
 GRTE0420 EAST END OF EMMA MATILDA LAKE  
 GRTE0421 EAST END OF SWAN LAKE  
 GRTE0422 LOWER SWAN LAKE  
 GRTE0423 PILGRIM CREEK BELOW OLD HIGHWAY (ROUTE 89)  
 GRTE0424 HERON POND  
 GRTE0425 EMMA MATILDA LK (NEAR WEST END) NE OF JACKSON  
 GRTE0426 EMMA MATILDA LAKE NORTHEAST OF JACKSON WY  
 GRTE0427 EMMA MATILDA LK (.5 MILE VP LAKE) NE OF JACKSON  
 GRTE0428 EMMA MATILDA LAKE STATION #3 NE OF JACKSON WY  
 GRTE0429 EMMA MATILDA LK (NEAR EAST END) NE OF JACKSON

GRTE0430 HERON POND; POND #VA30  
 GRTE0431 L12107  
 GRTE0432 L12048  
 GRTE0433 JUNCTION OF UPPER AND LOWER SWAN LAKE  
 GRTE0434 MOOSE WETLAND  
 GRTE0435 UPPER THIRD CREEK; SWAN LAKE INLET  
 GRTE0436 INLET; SWAN LAKE  
 GRTE0437 PLANTAIN WETLAND  
 GRTE0438 TRIB TO SWAN LAKE GTNP  
 GRTE0439 SWAN LAKE  
 GRTE0440 MIDDLE OF UPPER SWAN LAKE  
 GRTE0441 L12047  
 GRTE0442 OFF OF COLTER BAY; JACKSON LAKE  
 GRTE0443 WEST END OF SWAN LAKE  
 GRTE0444 INLET; EMMA MATILDA LAKE  
 GRTE0445 NORTHWESTERN UPPER SWAN LAKE  
 GRTE0446 COLTER BAY; JACKSON LAKE  
 GRTE0447 APPROX 1/3 OF A MILE S OF TALUS LAKE; POND #NS21  
 GRTE0448 L12063  
 GRTE0449 APPROX 0.5 MILES SW OF TALUS LAKE; POND #NS14  
 GRTE0450 APPROX 1/3 OF A MI SW OF TALUS LAKE; POND #NS13  
 GRTE0451 APPROX 0.25 MI SOUTH OF TALUS LAKE; POND #NS20  
 GRTE0452 L12064  
 GRTE0453 APPROX 1 MILE SE OF TWO OCEAN LAKE; POND #VA50  
 GRTE0454 APPROX 1.5 MILES WEST OF TALUS LAKE; POND #WB30  
 GRTE0455 APPROX 0.5 MILES EAST OF TALUS LAKE; POND #NS10  
 GRTE0456 LAT-LONG 4353581105614  
 GRTE0457 L12046  
 GRTE0458 JACKSON LAKE NORTH OF JACKSON WY  
 GRTE0459 PILGRIM CREEK BELOW NEW HIGHWAY (ROUTE 89)  
 GRTE0460 TALUS LAKE; LAKE #NS12  
 GRTE0461 APPROX 1.75 MILES WEST OF TALUS LAKE; WB02  
 GRTE0462 L12065  
 GRTE0463 CYGNET POND  
 GRTE0464 OUTLET; TWO OCEAN LAKE  
 GRTE0465 INLET; CYGNET POND  
 GRTE0466 APPROX 0.25 MILES NE OF TALUS LAKE; POND #NS11  
 GRTE0467 TWO OCEAN LAKE NR MORAN GTNP WYO  
 GRTE0468 PILGRIM CREEK AT HIGHWAY 89 BRIDGE  
 GRTE0469 1.5 MILES NW OF ROLLING THUNDER MTN; POND #WB01  
 GRTE0470 L12082  
 GRTE0471 1.75 MILES NW OF ROLLING THUNDER MTN; POND #WB11  
 GRTE0472 EAST END OF TWO OCEAN LAKE  
 GRTE0473 L12058  
 GRTE0474 EAST OF WATERFALLS CANYON; JACKSON LAKE  
 GRTE0475 EAST INLET; TWO OCEAN LAKE  
 GRTE0476 APPROX 1.5 MILES NW OF TALUS LAKE; POND #WB22  
 GRTE0477 L12022  
 GRTE0478 JACKSON LAKE; EAST OF WATERFALLS CANYON  
 GRTE0479 APPROX 1.75 MILES NW OF TALUS LAKE; POND #WB21  
 GRTE0480 L12066  
 GRTE0481 L12025  
 GRTE0482 L12109  
 GRTE0483 APPROX 2 MI NORTHWEST OF TALUS LAKE; POND #WB10  
 GRTE0484 TWO OCEAN LAKE  
 GRTE0485 WATERFALLS CANYON CREEK AT JACKSON LAKE

GRTE0486 WATERFALLS CANYON CREEK AT JACKSON LAKE  
 GRTE0487 WATERFALLS CANYON CREEK AT JACKSON LAKE  
 GRTE0488 TRAIL CROSSING AT E. INLET OF TWO OCEAN LAKE  
 GRTE0489 L12093  
 GRTE0490 WEST INLET OF TWO OCEAN LAKE  
 GRTE0491 WEST END OF TWO OCEAN LAKE  
 GRTE0492 PILGRIM CREEK BELOW ABANDONED FORD  
 GRTE0493 TWO OCEAN LAKE AT OUTLET NORTH OF JACKSON WY  
 GRTE0494 TWO OCEAN LK NR CMPG AT ROAD END NE OF JACKSON  
 GRTE0495 TWO OCEAN LAKE WEST END OF LAKE NE OF JACKSON WY  
 GRTE0496 APPROX 1.75 MILES SW OF TALUS LAKE; POND #WB20  
 GRTE0497 BURN CREEK AT JACKSON LAKE  
 GRTE0498 BURN CREEK AT JACKSON LAKE  
 GRTE0499 PILGRIM C AT ABANDONED FORD NR MORAN, GTNP, WYO  
 GRTE0500 L12021  
 GRTE0501 TWO OCEAN LAKE INLET BELOW WHITE CANYON  
 GRTE0502 TWO OCEAN LAKE INLET; N TRIB ABOVE BEAVER POND  
 GRTE0503 L12084  
 GRTE0504 EAST FORK PILGRIM CREEK  
 GRTE0505 L12083  
 GRTE0506 L12092  
 GRTE0507 FALCON CREEK AT JACKSON LAKE  
 GRTE0508 FALCON CREEK AT JACKSON LAKE  
 GRTE0509 FALCON CREEK AT JACKSON LAKE  
 GRTE0510 L12024  
 GRTE0511 AK RANCH WETLAND  
 GRTE0512 APPROX 0.75 MI SOUTH OF SARGENT BAY; POND #VA20  
 GRTE0513 PILGRIM C AB PK B NR MORAN, GTNP, WYO  
 GRTE0514 L12067  
 GRTE0515 L12068  
 GRTE0516 LEEK'S MARINA; JACKSON LAKE  
 GRTE0517 L12110  
 GRTE0518 APPROX 1/3 MILE SE OF SARGENT BAY; POND #VA10  
 GRTE0519 OFF AMK RANCH BOAT DOCK; JACKSON LAKE  
 GRTE0520 L12041  
 GRTE0521 46-114-20ADA01  
 GRTE0522 COLTER CANYON CREEK AT JACKSON LAKE  
 GRTE0523 COLTER CANYON CREEK AT JACKSON LAKE  
 GRTE0524 COLTER CANYON CREEK AT JACKSON LAKE  
 GRTE0525 L12091  
 GRTE0526 L12027  
 GRTE0527 L12028  
 GRTE0528 NORTH OF SARGENT BAY; JACKSON LAKE  
 GRTE0529 L12069  
 GRTE0530 T46NR115W17BBB1S  
 GRTE0531 T46NR115W17BBA1S  
 GRTE0532 L12029  
 GRTE0533 T46NR115W08CDC1S  
 GRTE0534 NORTH END OF JACKSON LAKE  
 GRTE0535 ARIZONA LAKE NORTH OF JACKSON WY  
 GRTE0536 T46NR115W08CCA1S  
 GRTE0537 L12031  
 GRTE0538 ARIZONA CREEK AT JACKSON LAKE  
 GRTE0539 ARIZONA C NR COLTER BAY VILLAGE, GTNP, WYO  
 GRTE0540 ARIZONA CREEK AT HIGHWAY 89 BRIDGE  
 GRTE0541 L12032

GRTE0542	NORTH END OF JACKSON LAKE
GRTE0543	L12079
GRTE0544	L12078
GRTE0545	L12037
GRTE0546	L12033
GRTE0547	L12036
GRTE0548	MOOSE CREEK AT JACKSON LAKE
GRTE0549	BERRY CREEK; 50 YDS ABOVE JACKSON LAKE
GRTE0550	L12034
GRTE0551	LIZARD CREEK AT JACKSON LAKE
GRTE0552	M44610
GRTE0553	HIDDEN LAKE
GRTE0554	LIZARD C NR LIZARD PT CPGD, GTNP, WYO
GRTE0555	M44599
GRTE0556	M44536
GRTE0557	M44606
GRTE0558	M45177
GRTE0559	M45176
GRTE0560	M44609
GRTE0561	M44611
GRTE0562	M44612
GRTE0563	M45118
GRTE0564	M44600
GRTE0565	M45122
GRTE0566	M45178
GRTE0567	M45119
GRTE0568	M45117
GRTE0569	M45120
GRTE0570	M45121
GRTE0571	M45127
GRTE0572	M45179
GRTE0573	M45128
GRTE0574	M45129
GRTE0575	M44604
GRTE0576	M45175
GRTE0577	M44602
GRTE0578	SNAKE RIVER AT JACKSON LAKE
GRTE0579	M45174
GRTE0580	M45173
GRTE0581	M45172
GRTE0582	M44607
GRTE0583	M45131
GRTE0584	M45132
GRTE0585	M45130
GRTE0586	M45126
GRTE0587	M45180
GRTE0588	M44596
GRTE0589	M44598
GRTE0590	M45125
GRTE0591	M44597
GRTE0592	M45124
GRTE0593	M44608
GRTE0594	M45123
GRTE0595	COULTER CREEK NE OF JACKSON WY
GRTE0596	WOLVERINE CREEK NORTH OF JACKSON WY
GRTE0597	M45181



GRTE0598	M45139
GRTE0599	M45140
GRTE0600	M45182
GRTE0601	M45133
GRTE0602	M45183
GRTE0603	M45184
GRTE0604	M45134
GRTE0605	RODENT CR .25 MILE AB MOUTH NORTH OF JACKSON WY
GRTE0606	M45186
GRTE0607	M45148
GRTE0608	M44541
GRTE0609	M45142
GRTE0610	M45185
GRTE0611	WRONG NUMBER FOR SNAKE R AB JACKSON LK @ FLAGG R
GRTE0612	SNAKE RIVER AB JACKSON LAKE, AT FLAGGH9999
GRTE0613	SNAKE RIVER 3.5 MILES ABOVE JACKSON LAKE
GRTE0614	M45141
GRTE0615	M45138
GRTE0616	M45137
GRTE0617	M45187
GRTE0618	M44566
GRTE0619	M44539
GRTE0620	SHEFFIELD C AT FLAGG RANCH WYO
GRTE0621	M45135
GRTE0622	M44542
GRTE0623	SNAKE RIVER AT FLAGG RANCH BRIDGE
GRTE0624	SNAKE RIVER AT FLAGG RANCH
GRTE0625	SNAKE RIVER AT FLAGG RANCH
GRTE0626	M44545
GRTE0627	LAKE IN THE WOODS NORTHEAST OF JACKSON WY
GRTE0628	LAT-LONG 4406011103552
GRTE0629	BELOW BRIDGE AT FLAGG RANCH
GRTE0630	M44544
GRTE0631	48N 115W 20DDA01
GRTE0632	POLECAT C NR FLAGG RANCH WY
GRTE0633	M45188
GRTE0634	POLECAT CR NR HUCKELBERRY HOT SPRINGS
GRTE0635	M44567
GRTE0636	M44546
GRTE0637	48-117-16CCC01
GRTE0638	M45189
GRTE0639	M44580
GRTE0640	GRASSY LAKE RESERVOIR
GRTE0641	M44565
GRTE0642	GRASSY LAKE RESERVOIR 100 M ABOVE DAM
GRTE0643	GRASSY CR AT GRASSY LAKE OUTLET WORKS
GRTE0644	M45192
GRTE0645	M44562
GRTE0646	SNAKE RIVER AT YELLOWSTONE PARK BOUNDARY
GRTE0647	SNAKE R AT S BOUNDARY OF Y N PARK
GRTE0648	HAREBELL CR. AT CONFLUENCE
GRTE0649	M45190
GRTE0650	COULTER CR. AT CONFLUENCE
GRTE0651	SNAKE RIVER BELOW LEWIS RIVER
GRTE0652	LEWIS RIVER JUST ABOVE SNAKE RIVER
GRTE0653	CASCADE CR. AT CONFLUENCE TO FALLS RIVER

GRTE0654	M44581
GRTE0655	M45193
GRTE0656	M45191
GRTE0657	M44550
GRTE0658	M44549
GRTE0659	LEWIS RIVER ABOVE CONFLUENCE WITH SNAKE RIVER
GRTE0660	LEWIS RIVER AT MOUTH, NEAR SOUTH ENTRANCE, YNP
GRTE0661	SUPPLY SPRING AT SOUTH ENTRANCE, YNP, WYO.
GRTE0662	SNAKE R AB LEWIS R. SOUTH ENTRANCE, YNP, WYO.
GRTE0663	SNAKE R TR AB SUPPLY SP AT S. ENTRANCE, YNP,
GRTE0664	SNAKE RIVER ABOVE CONFLUENCE WITH LEWIS RIVER
GRTE0665	LEWIS RIVER NR MOUTH NR SOUTH BOUNDARY YNP WY
GRTE0666	FALLS RIVER @ CONFLUENCE BELOW BEULA LAKE
GRTE0667	4022 AT MOUTH (LEFT FORK)
GRTE0668	M45209
GRTE0669	M44557
GRTE0670	M44558
GRTE0671	M44559
GRTE0672	M44554
GRTE0673	M45194
GRTE0674	M45211
GRTE0675	M45208
GRTE0676	FOREST CREEK 45 M ABOVE MOUTH
GRTE0677	RED CREEK AT MOUTH
GRTE0678	M45210
GRTE0679	M45207

**APPENDIX C-1** No. Of Data Records In Each Parameter Group For Each Site In  
Snake Headwaters Sub-basin

**Appendix C-1.** No. of data records in each parameter group for each site in the Snake Headwaters sub-basin.

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0055					2				2			2	2
GRTE0078					2				2		2	2	4
GRTE0081	42				14		14	14	14		40	14	110
GRTE0083	3				1		1	1	1		2	1	8
GRTE0086					2				2	2		2	56
GRTE0087					2				2	2		2	56
GRTE0089					2				2			2	2
GRTE0094	22	8		6	10	8	10	18	10	24	20	10	70
GRTE0095	8					12			10			15	
GRTE0099	6				2		2	4	2		6	2	16
GRTE0100	18				83	85	85	275	159	187	166	83	1483
GRTE0101	4				2			2	2		6	2	12
GRTE0104					2				2			2	2
GRTE0105					2				2	2		2	56
GRTE0108									6				
GRTE0109	6				2		2	3	2		5	2	16
GRTE0110					2				2			2	2
GRTE0111	22	8		8	10	8	10	18	10	26	20	10	70
GRTE0115									2				
GRTE0116	6				2		2	2	2		4	2	16
GRTE0120					2				2	2		2	56
GRTE0121				6		6		6	12	6			
GRTE0123					2				2	2		2	56
GRTE0125									8				
GRTE0126							4					4	
GRTE0128	42				14		14	14	14		40	14	110
GRTE0130					2				2			2	2
GRTE0132									2				
GRTE0134					2				2	2		2	56
GRTE0135					2				2	2		2	56
GRTE0137					2				2		2	2	4
GRTE0138							2					2	
GRTE0140					2				2	2		2	56
GRTE0141									2				
GRTE0145		2											
GRTE0146	6				2		2	2	2		4	2	16
GRTE0147					2				2			2	2
GRTE0148					2				2			2	2
GRTE0149					2				2			2	2
GRTE0150	4				2			2	2		6	2	12
GRTE0151							4					4	
GRTE0153	2					2							
GRTE0154		22			22	30		54	22	18	8	22	
GRTE0155	2					12			10			15	
GRTE0156					2			4	4	2	2	2	8
GRTE0157	6				2		2	2	2		4	2	16
GRTE0158			4	4	4				4	4		4	
GRTE0159		24											
GRTE0160					4				2	4		4	
GRTE0161					20	40			16		20	20	40
GRTE0162					2				2			2	2
GRTE0163					4	8			4		4	4	8
GRTE0164					4	8			4		4	4	8
GRTE0165					2				2	2		2	56

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0166					2	4			2		2	2	4
GRTE0167			6	6	6				6	6		6	
GRTE0168					16	32			16		16	16	32
GRTE0169					4				2	4		4	
GRTE0170					2	4			2		2	2	4
GRTE0171					2				2		2	2	4
GRTE0172		40											
GRTE0173					2				2	2		2	56
GRTE0174					2				2	2		2	56
GRTE0175					2				2	2		2	56
GRTE0176		34											
GRTE0177					2				2			2	2
GRTE0179							2					2	
GRTE0180					2	4			2		2	2	4
GRTE0181		32											
GRTE0182					2	4			2		2	2	4
GRTE0183		32			30	33		54	30	18	8	32	
GRTE0184		10			10				10			10	
GRTE0187					2				2		2	2	4
GRTE0188					2				2		2	2	4
GRTE0197					2				2				2
GRTE0198					6	12			6		6	6	12
GRTE0199					2				2	2		2	56
GRTE0200			4	4	4				2	4		4	
GRTE0203					4				2	4		4	
GRTE0205					6	8			6		6	6	12
GRTE0206			4	4	4				2	4		4	
GRTE0207					2				2	2		2	56
GRTE0208					4				2	4		4	
GRTE0209	6				2		2	2	2		6	2	16
GRTE0211					2				2	2		2	56
GRTE0212					4					4		2	
GRTE0213			4	4	4				2	4		4	
GRTE0214					4	8			4		4	4	8
GRTE0215	6				2		2	4	2		6	2	16
GRTE0221					2	4			2		2	2	4
GRTE0222		34											
GRTE0226					2				2			2	2
GRTE0227					4	8			4		4	4	8
GRTE0228					2	4			2		2	2	4
GRTE0230					2				2	2		2	56
GRTE0232					2							2	2
GRTE0234	30				10		10	10	10		28	10	79
GRTE0237					2	4			2		2	2	4
GRTE0238			4	4	4				2	4		4	
GRTE0241	14				14	21		27	14	20		14	
GRTE0245					2							2	2
GRTE0247		32											
GRTE0248					2				2	2		2	56
GRTE0250					2							2	2
GRTE0253	6				2		2	2	2		4	2	16
GRTE0254		34											
GRTE0255					2				2	2		2	56
GRTE0257		34											
GRTE0259		26			14				10			24	
GRTE0260					4				2	4		4	
GRTE0261		26			14				10			24	
GRTE0262	14					8		20	12	12	16		140

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements	
GRTE0263					2			2	2		2	56	
GRTE0264					2						2	2	
GRTE0265					2			2	2		2	56	
GRTE0266					2			2	2		2	56	
GRTE0267					2						2	2	
GRTE0268					2			2	2		2	56	
GRTE0269			4	4	4			2	4		4		
GRTE0270					2			2	2		2	56	
GRTE0271					2			2	2		2	56	
GRTE0272					2			2	2		2	56	
GRTE0273					2		4	4	2	2	2	32	
GRTE0275			4	4	4			4	4		4		
GRTE0276					2			2	2		2		
GRTE0277					2			2	2		2	56	
GRTE0279	6				2	2	4	2		6	2	16	
GRTE0280					4			2	4		4		
GRTE0281					2			2	2		2	56	
GRTE0282					2						2	2	
GRTE0283					2			2	2		2	56	
GRTE0284					2						2	2	
GRTE0287					2			2	2		2	56	
GRTE0288			2	2									
GRTE0289					2	4		2		2	2	4	
GRTE0290					2			2					
GRTE0291					2			2		2	2	4	
GRTE0292					4	8		4		4	4	8	
GRTE0295					2			2	2		2	56	
GRTE0296			4	4	4			4	4		4		
GRTE0297	6				2	2	4	2		6	2	16	
GRTE0298				16	22	28		22			28		
GRTE0299					2	4		2		2	2	4	
GRTE0300					2						2	2	
GRTE0301					4	8		4		4	4	8	
GRTE0302					2			2	2		2	56	
GRTE0303	17	4		12	19	4	21	11	19	12	16	21	52
GRTE0304					2			2	2		2	56	
GRTE0305					2			2			2	2	
GRTE0308					2	4		2		2	2	4	
GRTE0309			4	4	4			4	4		4		
GRTE0310			4	4	4			4	4		4		
GRTE0311					4	8		4		4	4	8	
GRTE0312					4			4	4		4		
GRTE0313					4			4	4		4		
GRTE0315					2	4		2		2	2	4	
GRTE0316				16	22	28		22			28		
GRTE0318					4			4	4		4		
GRTE0319	6				2	2	2	2		4	2	16	
GRTE0321					2			2			2	2	
GRTE0322					2	4		2		2	2	4	
GRTE0323					4	6		4		4	4	8	
GRTE0324			4	4	4			4	4		4		
GRTE0327		20											
GRTE0328					4			4	4		2		
GRTE0329	6				2	2	4	2	2	4	2	12	
GRTE0330					2			2	2		2	56	
GRTE0331		18											
GRTE0333			4	4	4			2	4		4		
GRTE0334					2			2			2	2	

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity		Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements	
GRTE0335						4			4	4		4		
GRTE0336	14					14		27	14	20		14		
GRTE0337			20	10		28		10	24	20		52		
GRTE0338						4			4		4	4	8	
GRTE0339						2			2		2	2	4	
GRTE0340						2						2	2	
GRTE0342										2				
GRTE0343										2				
GRTE0345						2			2	2			56	
GRTE0346		2				3		8	3	3		3		
GRTE0347			36	14		36		26	24	34		28		
GRTE0350						4			4		4	4	8	
GRTE0351						4			4		4	4	8	
GRTE0352	2			4		2		2	2			2	16	
GRTE0353						2			2		2	2	4	
GRTE0354						2			2		2	2	4	
GRTE0355						4			4		4	4	8	
GRTE0356						4			4		4	4	8	
GRTE0357									2					
GRTE0358									2					
GRTE0361						2			2		2	2	4	
GRTE0362	2					1		1	1		3		7	
GRTE0363	17	4		4		224		12	7	13	16	224	51	
GRTE0364						2			2		2	2	4	
GRTE0365	4								2		2			
GRTE0366						2			2		2	2	4	
GRTE0367	14					14		27	14	20		14		
GRTE0368						4			4		4	4	8	
GRTE0369						2			2	2		2	56	
GRTE0370	12					4		4	6	4	10	4	32	
GRTE0371			12	4		22		4	4	22	12	22		
GRTE0372	6								6		12			
GRTE0373	56	40	10	74		126		112	132	84	28	102	228	
GRTE0374				40		20			20	20		20		
GRTE0375									2			2		
GRTE0376	8					6		20	12	10	4	4	32	
GRTE0377	4					6		4	4	4	4	4	32	
GRTE0378			2					2		2				
GRTE0379								4		6				
GRTE0380						2			2			2	2	
GRTE0381	8	1				262		277	4	3		9	269	24
GRTE0382						2			2	2		2	56	
GRTE0383	12								6		18			
GRTE0384	16	8	4	168		124		28	128	90	44	124	130	
GRTE0385				88		44			44	44	32	44		
GRTE0386								6	2	8				
GRTE0387			20	8		24		33	12	12	20	26		
GRTE0388	15					213		222	8	5	2	13	215	36
GRTE0389	12					4		4	6	4	10	4	32	
GRTE0390	36	24		188		108		36	16	66	108	54	96	178
GRTE0391	8					8		12	20	8	16	8		
GRTE0392								15		12		18		
GRTE0393	4					2			20	18	22			
GRTE0394	4								2		4	3		
GRTE0395				4				18	28	56				
GRTE0396						2			2			2	2	
GRTE0397			12	6		38		45	12	30	12	30		
GRTE0398						2			2	2		2	56	

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0399	4							2		4		
GRTE0400	4							2		4		
GRTE0401				2				2			2	2
GRTE0402				2							2	2
GRTE0404	6			2			2	2		4	2	16
GRTE0405				2	4			2		2	2	4
GRTE0406			4	4				4	4		4	
GRTE0407				4				4	4		4	
GRTE0408				4	8					4	4	8
GRTE0413	4						16	8	8		2	
GRTE0414			4	4	4			4	4		4	
GRTE0415	4				2		20	18	14			
GRTE0416	4							2		4	3	
GRTE0417				4			18	28	54			
GRTE0418							2		2			
GRTE0419		8					6		4			
GRTE0420			4	4	4			4	4		4	
GRTE0421			8	8			4		8			
GRTE0422							2		2			
GRTE0423						2					2	
GRTE0424			2	2			4		2			
GRTE0425								2			2	
GRTE0426	2				3			2			2	
GRTE0427					2			2			6	
GRTE0428	6				9			6			6	
GRTE0429								2			2	
GRTE0430					2	4		2		2	2	4
GRTE0432					2						2	2
GRTE0433							2		2			
GRTE0434					2			2			2	
GRTE0435							2		2			
GRTE0436		12			12	4	6	8	22		12	
GRTE0437					2			2			2	
GRTE0438	6				2	2	4	2	2	4	2	14
GRTE0439		20	12	12	12		4	8	14		12	
GRTE0440								2		2		
GRTE0441					2						2	2
GRTE0442			4	2					4			
GRTE0443			8	8		2	4		10			
GRTE0444					4			4	4		4	
GRTE0445							2		2			
GRTE0446			18	8	22	36	16	10	16		28	
GRTE0447					4	8		4		4	4	8
GRTE0449					2			2		2	2	4
GRTE0450					2			2		2	2	4
GRTE0451					2	4		2		2	2	4
GRTE0453					2			2		2	2	4
GRTE0454					2			2		2	2	4
GRTE0455					4	8		4		4	4	8
GRTE0457					2						2	2
GRTE0458	8				5		16	8	6	16	2	80
GRTE0459						2					2	
GRTE0460					4	8		4		4	4	8
GRTE0461					2			2		2	2	4
GRTE0463		4	20	20	12		6	10	20		12	
GRTE0464						6	8		10			
GRTE0465					6			2	6		6	
GRTE0466					4	8		4		4	4	8



Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0467	6				2			2	2		4	2	16
GRTE0468							4			6			
GRTE0469					2				2		2	2	4
GRTE0470					2				2			2	2
GRTE0471					4	8			4		4	4	8
GRTE0472			18	18	6			14	6	18		6	
GRTE0474			16	8	36	93		16	24	16		66	
GRTE0475					6		4	8	4	14		4	
GRTE0476					2	4			2		2	2	4
GRTE0477					2							2	2
GRTE0478	12								6		18		
GRTE0479					2				2		2	2	4
GRTE0481					2							2	2
GRTE0483					4	8			4		4	4	8
GRTE0484			4	2				8		4			
GRTE0485	4				2			20	18	22			
GRTE0486	4							2	2		4	3	4
GRTE0487				4				18	28	54			
GRTE0488							4	4		4			
GRTE0489					2				2			2	2
GRTE0490							2	4		4			
GRTE0491			14	14	6			8	6	14		6	
GRTE0492							12					12	
GRTE0493	2					3			2			2	
GRTE0494									2			2	
GRTE0495									2			2	
GRTE0496					4	8			4		4	4	8
GRTE0497	4				2			14	14	14			
GRTE0498								12	12	22			
GRTE0499	27				8		9	10	9		24	9	71
GRTE0500					2							2	2
GRTE0501							2			2			
GRTE0502							2			2			
GRTE0503					2				2			2	2
GRTE0504							2					2	
GRTE0505					2				2			2	2
GRTE0506					2				2			2	2
GRTE0507	4				2			20	18	22			
GRTE0508	4							2	2		4	3	6
GRTE0509				4				18	28	54			
GRTE0510					2							2	2
GRTE0511	8				8	12		12	8	8		8	
GRTE0512					2	4			2		2	2	4
GRTE0513	12				4		4	4	4		12	4	32
GRTE0516			4	2	18	27		4	18	4		18	
GRTE0518					12	24			12		12	12	24
GRTE0519								2		2			
GRTE0520					2							2	2
GRTE0521					2			4	4	2	2	2	32
GRTE0522	4				2			20	18	14			
GRTE0523	4							2	2		4	3	6
GRTE0524				4				18	28	52			
GRTE0525					2				2			2	2
GRTE0526					2							2	2
GRTE0527					2							2	2
GRTE0528			2					2		2			
GRTE0530	3				1		1	1	1	1	2	1	7
GRTE0531	3				1		1	1	1	1	2	1	11

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0532					2							2	2
GRTE0533	3				1		1	1	1	1	2	1	11
GRTE0534			18	8	22	27		16	10	16		22	
GRTE0535	4					2			2			2	
GRTE0536	3				1		1	1	1	1	2	1	11
GRTE0537					2							2	2
GRTE0538	4								2		4		
GRTE0539	12				4		4	4	4		10	4	32
GRTE0540										2			
GRTE0541					2							2	2
GRTE0542	4								4		8		
GRTE0543					2				2			2	2
GRTE0544					2				2			2	2
GRTE0545					2							2	2
GRTE0546					2							2	2
GRTE0547					2								2
GRTE0548	4							2	2		4	3	6
GRTE0549	4							2	2		4	3	6
GRTE0550					2							2	2
GRTE0551	4								2		4		
GRTE0552					2				2			2	2
GRTE0554	12				4		4	4	4		10	4	32
GRTE0555					2				2			2	2
GRTE0556					2				2			2	2
GRTE0557					2				2			2	2
GRTE0558					2				2			2	2
GRTE0559					2				2			2	2
GRTE0560					2				2			2	2
GRTE0561					2				2			2	2
GRTE0562					2				2			2	2
GRTE0563					2				2			2	2
GRTE0564					2				2			2	2
GRTE0565					2				2			2	2
GRTE0566					2				2			2	2
GRTE0567					2				2			2	2
GRTE0568					2				2			2	2
GRTE0569					2				2			2	2
GRTE0570					2				2			2	2
GRTE0571					2				2			2	2
GRTE0572					2				2			2	2
GRTE0573					3				3			3	3
GRTE0574					3				3			3	3
GRTE0575					2				2			2	2
GRTE0576					3				3			3	3
GRTE0577					2				2			2	2
GRTE0578	4								2		4		
GRTE0579					3				3			3	3
GRTE0580					3				3			3	3
GRTE0581					3				3			3	3
GRTE0582					2				2			2	2
GRTE0583					3				3			3	3
GRTE0584					3				3			3	3
GRTE0585					3				3			3	3
GRTE0586					2				2			2	2
GRTE0587					2				2			2	2
GRTE0590					2				2			2	2
GRTE0592					2				2			2	2
GRTE0593					2				2			2	2

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0594					2				2			2	2
GRTE0595						3			3		3		
GRTE0596						3			3		3		
GRTE0597					3				3				3
GRTE0598					3				3			3	3
GRTE0599					3				3			3	3
GRTE0600					3				3			3	3
GRTE0601					3				3			3	3
GRTE0602					3				3			3	3
GRTE0603					3				3			3	3
GRTE0604					3				3			3	3
GRTE0605						5			3		3	3	
GRTE0606					3				3				3
GRTE0607					2				2			2	2
GRTE0608					2				2			2	2
GRTE0609					3				3			3	3
GRTE0610					3				3			3	3
GRTE0611	24	8		12	83	11	123	28	35	28	22	83	97
GRTE0612	120	97		51	209	205	241	434	209	324	183	223	2135
GRTE0613	2				1			2	1		2	1	6
GRTE0614					3				3			3	3
GRTE0615					3				3			3	3
GRTE0616					3				3			3	3
GRTE0617					3				3			3	3
GRTE0618					2				2			2	2
GRTE0619					2				2			2	2
GRTE0620	6				2		2	4	2		6	2	16
GRTE0621					3				3			3	3
GRTE0622					2				2			2	2
GRTE0623	22	8		6	10	8	10	18	10	26	20	10	70
GRTE0624	12			24	12	18	12	15	12	12	24	12	
GRTE0625							8	2		10			
GRTE0626					2				2			2	2
GRTE0628					2			4	4	2	2		8
GRTE0629	2					15			12			18	
GRTE0630					2				2			2	2
GRTE0631	4							4		2	4	2	14
GRTE0632	11	4		4	5	4	5	9	5	13	10	5	35
GRTE0633					3				3			3	3
GRTE0634	8	4		4	4	4	4	8	4	12	8	4	28
GRTE0635					2				2			2	2
GRTE0638					3				3			3	3
GRTE0641					3				3			3	3
GRTE0644					3				3			3	3
GRTE0645					3				3			3	3
GRTE0646						5			3		3	3	
GRTE0647					4		4		2			4	
GRTE0649					3				3			3	3
GRTE0655					3				3			3	3
GRTE0656					3				3			3	3
GRTE0659										6			
GRTE0660				6	3	3	3	18	6	12	3	3	35
GRTE0661	9				3		3	3	3		6	3	24
GRTE0662	3				1		1	1	1		3	1	8
GRTE0663	3				1		1	1	1		3	1	8
GRTE0664							3			3			
GRTE0665	3				5		5	1	1		3	5	8
GRTE0668					3				3			3	3

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0669					3				3			3	3
GRTE0670					3				3			3	3
GRTE0671					3				3			3	3
GRTE0673					3				3			3	3
GRTE0674					3				3			3	3
GRTE0675					3				3			3	3
GRTE0678					3				3			3	3
GRTE0679					3				3			3	3
GRTE0680	3			3	3	2		9	4	6	3	1	20
GRTE0681	6	20		6	4	8		16	13	8	4	14	53
GRTE0685	2							2		3	2	1	7
GRTE0686					1			3	1	1			
GRTE0687	3				1			2	1	1	2	1	7
GRTE0688					1	1			2			1	24
GRTE0689					1	1			1			1	
GRTE0690					1	1			2			1	24
GRTE0691					1	1			1			1	
GRTE0692					1	1			1			1	
GRTE0693					1	1			1			1	
GRTE0694					1	1			2			1	24
GRTE0695					1	1			1			1	
GRTE0696					1	1			1			1	
GRTE0697					1	1			1			1	
GRTE0698					1	1			2			1	24
GRTE0699					1	1			1			1	

**APPENDIX C-2** No. Of Years In Record For Each Parameter Group For Each Site In Snake Headwaters Sub-basin

**Appendix C-2.** No. of years with data in each parameter group in Snake Headwaters sub-basin. Columns at right side of table indicate stations with data from more than 2 years. Note that years with data are not necessarily consecutive.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0055					1				1			1	1		
GRTE0078					1				1		1	1	1		
GRTE0081	3				3		3	3	3		3	3	3	X	X
GRTE0083	1				1		1	1	1		1	1	1		
GRTE0086					1				1	1		1	1		
GRTE0087					1				1	1		1	1		
GRTE0089					1				1			1	1		
GRTE0094	2	1		1	2	1	2	2	2	2	2	2	2		
GRTE0095	1					1			1			1			
GRTE0099	1				1		1	1	1		1	1	1		
GRTE0100	3				8	5	8	8	8	5	8	8	8	X	X
GRTE0101	1				1			1	1		1	1	1		
GRTE0104					1				1			1	1		
GRTE0105					1				1	1		1	1		
GRTE0108									1						
GRTE0109	1				1		1	1			1	1	1		
GRTE0110					1				1			1	1		
GRTE0111	2	1		1	2	1	2	2	2	2	2	2	2		
GRTE0115									1						
GRTE0116	1				1		1	1	1		1	1	1		
GRTE0120					1				1	1		1	1		
GRTE0121				1		1		1	3	1				X	
GRTE0123					1				1	1		1	1		
GRTE0125									2						
GRTE0126							1					1			
GRTE0128	3				3		3	3	3		3	3	3	X	X
GRTE0130					1				1			1	1		
GRTE0132									1						
GRTE0134					1				1	1		1	1		
GRTE0135					1				1	1		1	1		
GRTE0137					1				1		1	1	1		
GRTE0138							1					1			
GRTE0140					1				1	1		1	1		
GRTE0141									1						
GRTE0145		1													
GRTE0146	1				1		1	1	1		1	1	1		
GRTE0147					1				1			1	1		
GRTE0148					1				1			1	1		
GRTE0149					1				1			1	1		
GRTE0150	1				1			1	1		1	1	1		
GRTE0151							2					2			
GRTE0153	1					1									
GRTE0154		1			1	1		1	1	1	1	1			
GRTE0155	1					1			1			1			
GRTE0156					1			1	1	1	1	1	1		
GRTE0157	1				1		1	1	1		1	1	1		
GRTE0158			1	1	1				1	1		1			
GRTE0159		1													
GRTE0160					1				1	1		1			

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0161					2	2			2		2	2	2		
GRTE0162					1				1			1	1		
GRTE0163					1	1			1		1	1	1		
GRTE0164					1	1			1		1	1	1		
GRTE0165					1				1	1		1	1		
GRTE0166					1	1			1		1	1	1		
GRTE0167			1	1	1				1	1		1	1		
GRTE0168					2	2			2		2	2	2		
GRTE0169					1				1	1		1			
GRTE0170					1	1			1		1	1	1		
GRTE0171					1				1		1	1	1		
GRTE0172		1													
GRTE0173					1				1	1		1	1		
GRTE0174					1				1	1		1	1		
GRTE0175					1				1	1		1	1		
GRTE0176		1													
GRTE0177					1				1			1	1		
GRTE0179							1					1			
GRTE0180					1	1			1		1	1	1		
GRTE0181		1													
GRTE0182					1	1			1		1	1	1		
GRTE0183		2			2	1		1	2	1	1	2			
GRTE0184		1			1				1			1			
GRTE0187					1				1		1	1	1		
GRTE0188					1				1		1	1	1		
GRTE0197					1				1				1		
GRTE0198					2	2			2		2	2	2		
GRTE0199					1				1	1		1	1		
GRTE0200			1	1	1				1	1		1			
GRTE0203					1				1	1		1			
GRTE0205					2	1			2		2	2	2		
GRTE0206			1	1	1				1	1		1			
GRTE0207					1				1	1		1	1		
GRTE0208					1				1			1			
GRTE0209	1				1		1	1	1		1	1	1		
GRTE0211					1				1	1		1	1		
GRTE0212					1					1		1			
GRTE0213			1	1	1				1	1		1			
GRTE0214					1	1			1		1	1	1		
GRTE0215	1				1		1	1	1		1	1	1		
GRTE0221					1	1			1		1	1	1		
GRTE0222		1													
GRTE0226					1				1			1	1		
GRTE0227					1	1			1		1	1	1		
GRTE0228					1	1			1		1	1	1		
GRTE0230					1				1	1		1	1		
GRTE0232					1							1	1		
GRTE0234	5				5		5	5	5		5	5	5X	X	
GRTE0237					1	1			1		1	1	1		
GRTE0238			1	1	1				1	1		1			
GRTE0241	2				2	2		2	2	2		2			
GRTE0245					1							1	1		
GRTE0247		1													
GRTE0248					1				1	1		1	1		

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0250					1							1	1		
GRTE0253	1				1		1	1	1		1	1	1		
GRTE0254		1													
GRTE0255					1				1	1		1	1		
GRTE0257		1													
GRTE0259		2			1				1			2			
GRTE0260					1				1	1		1			
GRTE0261		2			1				1			2			
GRTE0262	3					2		3	3	3	3		3X	X	
GRTE0263					1				1	1		1	1		
GRTE0264					1							1	1		
GRTE0265					1				1	1		1	1		
GRTE0266					1				1	1		1	1		
GRTE0267					1							1	1		
GRTE0268					1				1	1		1	1		
GRTE0269			1	1	1				1	1		1			
GRTE0270					1				1	1		1	1		
GRTE0271					1				1	1		1	1		
GRTE0272					1				1	1		1	1		
GRTE0273					1			1	1	1	1	1	1		
GRTE0275			1	1	1				1	1		1			
GRTE0276					1				1	1		1			
GRTE0277					1				1	1		1	1		
GRTE0279	1				1		1	1	1		1	1	1		
GRTE0280					1				1	1		1			
GRTE0281					1				1	1		1	1		
GRTE0282					1							1	1		
GRTE0283					1				1	1		1	1		
GRTE0284					1							1	1		
GRTE0287					1				1	1		1	1		
GRTE0288			1	1											
GRTE0289					1	1			1		1	1	1		
GRTE0290						1									
GRTE0291					1				1		1	1	1		
GRTE0292					1	1			1		1	1	1		
GRTE0295					1				1	1		1	1		
GRTE0296			1	1	1				1	1		1			
GRTE0297	1				1		1	1	1		1	1	1		
GRTE0298				2	1		2		1			2			
GRTE0299					1	1			1		1	1	1		
GRTE0300					1							1	1		
GRTE0301					1	1			1		1	1	1		
GRTE0302					1				1	1		1	1		
GRTE0303	3	1		3	5	1	5	3	5	1	3	5	3X	X	
GRTE0304					1				1	1		1	1		
GRTE0305					1				1			1	1		
GRTE0308					1	1			1		1	1	1		
GRTE0309			1	1	1				1	1		1			
GRTE0310			1	1	1				1	1		1			
GRTE0311					1	1			1		1	1	1		
GRTE0312					1				1	1		1			
GRTE0313					1				1	1		1			
GRTE0315					1	1			1		1	1	1		
GRTE0316				2	1		2		1			2			



Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0318					1				1	1		1			
GRTE0319	1				1		1	1	1		1	1	1		
GRTE0321					1				1			1	1		
GRTE0322					1	1			1		1	1	1		
GRTE0323					1	1			1		1	1	1		
GRTE0324			1	1	1				1	1		1			
GRTE0327		1													
GRTE0328					1				1	1		1			
GRTE0329	1				1		1	1	1	1	1	1	1		
GRTE0330					1				1	1		1	1		
GRTE0331		1													
GRTE0333			1	1	1				1	1		1			
GRTE0334					1				1			1	1		
GRTE0335					1				1	1		1			
GRTE0336	2				2	2		2	2	2		2			
GRTE0337			2	2	1	1		2	1	2		1			
GRTE0338					1	1			1		1	1	1		
GRTE0339					1	1					1	1	1		
GRTE0340					1							1	1		
GRTE0342										1					
GRTE0343										1					
GRTE0345					1				1	1			1		
GRTE0346		1			1	1		1	1	1		1			
GRTE0347			2	2	1	1		2	1	2		1			
GRTE0350					1	1			1		1	1	1		
GRTE0351					1	1			1		1	1	1		
GRTE0352	1			1	1			1	1			1	1		
GRTE0353					1	1			1		1	1	1		
GRTE0354					1	1			1		1	1	1		
GRTE0355					1	1			1		1	1	1		
GRTE0356					1	1			1		1	1	1		
GRTE0357									1						
GRTE0358									1						
GRTE0361					1				1		1	1	1		
GRTE0362	1				1		1	1	1		1		1		
GRTE0363	4	1		1	26	1	26	4	4	2	4	26	4X	X	
GRTE0364					1				1		1	1	1		
GRTE0365	1								1		1				
GRTE0366					1	1			1		1	1	1		
GRTE0367	2				2	2		2	2	2		2			
GRTE0368					1	1			1		1	1	1		
GRTE0369					1				1	1		1	1		
GRTE0370	1				1		1	1	1		1	1	1		
GRTE0371			2	1	1	1		1	1	2		1			
GRTE0372	1								1		1				
GRTE0373	3	3	5	6	6	6		6	6	6	3	6	3X	X	
GRTE0374				1	1				1	1		1			
GRTE0375						1			1			1			
GRTE0376	2					1		2	2	2	1	1	1		
GRTE0377	1					1		1	1	1	1	1	1		
GRTE0378			1					1		1					
GRTE0379							1			1					
GRTE0380					1				1			1	1		
GRTE0381	3	1			25		25	3	3		3	25	4X	X	

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0382					1				1	1		1	1		
GRTE0383	2								1			2			
GRTE0384	2	2	2	4	4	2		2	4	4	3	4	2X	X	
GRTE0385				2	2				2	2	1	2			
GRTE0386							1	1		1					
GRTE0387			1	1	1	1		1	1	1		1			
GRTE0388	5				27		27	5	5	2	5	26	5X	X	
GRTE0389	1				1		1	1	1		1	1	1		
GRTE0390	5	5		8	10	7	4	8	9	10	6	10	5X	X	
GRTE0391	1				1	1		1	1	1		1			
GRTE0392						1			1			1			
GRTE0393	1				1			2	1	2					
GRTE0394	1								1		1	1			
GRTE0395				1				2	2	2					
GRTE0396					1				1			1	1		
GRTE0397			1	1	1	1		1	1	1		1			
GRTE0398					1				1	1		1	1		
GRTE0399	1								1		1				
GRTE0400	1								1		1				
GRTE0401					1				1			1	1		
GRTE0402					1							1	1		
GRTE0404	1				1			1	1		1	1	1		
GRTE0405					1	1			1		1	1	1		
GRTE0406			1		1				1	1		1			
GRTE0407					1				1	1		1			
GRTE0408					1	1					1	1	1		
GRTE0413	1							1	1	1		1			
GRTE0414			1	1	1				1	1		1			
GRTE0415	1				1			2	1	2					
GRTE0416	1								1		1	1			
GRTE0417				1				2	2	2					
GRTE0418								1		1					
GRTE0419		1						1				1			
GRTE0420			1	1	1				1	1		1			
GRTE0421			2	2				1		2					
GRTE0422								1		1					
GRTE0423							1					1			
GRTE0424			1	1				1		1					
GRTE0425									1			1			
GRTE0426	1					1			1			1			
GRTE0427						1			1			1			
GRTE0428	1					1			1			1			
GRTE0429									1			1			
GRTE0430					1	1			1		1	1	1		
GRTE0432					1							1	1		
GRTE0433								1		1					
GRTE0434					1				1			1			
GRTE0435								1		1					
GRTE0436		2			1		1	1	1	3		1		X	
GRTE0437					1				1			1			
GRTE0438	1				1		1	1	1	1	1	1	1		
GRTE0439		2	1	1	1			1	1	2		1			
GRTE0440								1		1					
GRTE0441					1							1	1		

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	groups
GRTE0442			1	1						1					
GRTE0443			1	1			1	1		2					
GRTE0444					1				1	1		1			
GRTE0445								1		1					
GRTE0446			1	1	1	1		1	1	1		1			
GRTE0447					1	1			1		1	1	1		
GRTE0449					1				1		1	1	1		
GRTE0450					1				1		1	1	1		
GRTE0451					1	1			1		1	1	1		
GRTE0453					1				1		1	1	1		
GRTE0454					1				1		1	1	1		
GRTE0455					1	1			1		1	1	1		
GRTE0457					1							1	1		
GRTE0458	2					1		2	2	2	2	1	2		
GRTE0459							1					1			
GRTE0460					1	1			1		1	1	1		
GRTE0461					1				1		1	1	1		
GRTE0463		1	3	3	1			1	1	3		1		X	X
GRTE0464							1	2		2					
GRTE0465					1				1	1		1			
GRTE0466					1	1			1		1	1	1		
GRTE0467	1				1			1	1		1	1	1		
GRTE0468							1			1					
GRTE0469					1				1		1	1	1		
GRTE0470					1				1			1	1		
GRTE0471					1	1			1		1	1	1		
GRTE0472			3	3	1			2	1	3		1		X	X
GRTE0474			1	1	1	1		1	1	1		1			
GRTE0475					1		1	2	1	3		1		X	
GRTE0476					1	1			1		1	1	1		
GRTE0477					1							1	1		
GRTE0478	2								1		2				
GRTE0479					1				1		1	1	1		
GRTE0481					1							1	1		
GRTE0483					1	1			1		1	1	1		
GRTE0484			1	1				1		1					
GRTE0485	1				1			2	1	2					
GRTE0486	1							1	1		1	1	1		
GRTE0487				1				2	2	2					
GRTE0488							1	1		1					
GRTE0489					1				1			1	1		
GRTE0490							1	2		2					
GRTE0491			2	2	1			1	1	2		1			
GRTE0492							3					3		X	X
GRTE0493	1					1			1			1			
GRTE0494									1			1			
GRTE0495									1			1			
GRTE0496					1	1			1		1	1	1		
GRTE0497	1				1			1	1	1					
GRTE0498								1	1	1					
GRTE0499	4				4		4	4	4		4	4	4	X	X
GRTE0500					1							1	1		
GRTE0501							1			1					
GRTE0502							1			1					

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	groups
GRTE0503					1				1			1	1		
GRTE0504							1					1			
GRTE0505					1				1			1	1		
GRTE0506					1				1			1	1		
GRTE0507	1				1			2	1	2					
GRTE0508	1							1	1		1	1	1		
GRTE0509				1				2	2	2					
GRTE0510					1							1	1		
GRTE0511	1				1	1		1	1	1		1			
GRTE0512					1	1			1		1	1	1		
GRTE0513	2				2		2	2	2		2	2	2		
GRTE0516			1	1	1	1		1	1	1		1			
GRTE0518					2	2			2		2	2	2		
GRTE0519			1					1		1					
GRTE0520					1							1	1		
GRTE0521					1			1	1	1	1	1	1		
GRTE0522	1				1			2	1	2					
GRTE0523	1							1	1		1	1	1		
GRTE0524				1				2	2	2					
GRTE0525					1				1			1	1		
GRTE0526					1							1	1		
GRTE0527					1							1	1		
GRTE0528			1					1		1					
GRTE0530	1				1		1	1	1	1	1	1	1		
GRTE0531	1				1		1	1	1	1	1	1	1		
GRTE0532					1							1	1		
GRTE0533	1				1		1	1	1	1	1	1	1		
GRTE0534			1	1	1	1		1	1	1		1			
GRTE0535						1			1			1			
GRTE0536					1		1	1	1	1	1	1	1		
GRTE0537					1							1	1		
GRTE0538									1		1				
GRTE0539					1		1	1	1		1	1	1		
GRTE0540										1					
GRTE0541					1							1	1		
GRTE0542									1		1				
GRTE0543					1				1			1	1		
GRTE0544					1				1			1	1		
GRTE0545					1								1		
GRTE0546					1							1	1		
GRTE0547					1								1		
GRTE0548								1	1		1	1	1		
GRTE0549								1	1		1	1	1		
GRTE0550					1							1	1		
GRTE0551									1		1				
GRTE0552					1				1			1	1		
GRTE0554					1		1	1	1		1	1	1		
GRTE0555					1				1			1	1		
GRTE0556					1				1			1	1		
GRTE0557					1				1			1	1		
GRTE0558					1				1			1	1		
GRTE0559					1				1			1	1		
GRTE0560					1				1			1	1		
GRTE0561					1				1			1	1		

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	groups
GRTE0562					1				1			1	1		
GRTE0563					1				1			1	1		
GRTE0564					1				1			1	1		
GRTE0565					1				1			1	1		
GRTE0566					1				1			1	1		
GRTE0567					1				1			1	1		
GRTE0568					1				1			1	1		
GRTE0569					1				1			1	1		
GRTE0570					1				1			1	1		
GRTE0571					1				1			1	1		
GRTE0572					1				1			1	1		
GRTE0573					1				1			1	1		
GRTE0574					1				1			1	1		
GRTE0575					1				1			1	1		
GRTE0576					1				1			1	1		
GRTE0577					1				1			1	1		
GRTE0578									1		1	1	1		
GRTE0579					1							1	1		
GRTE0580					1				1			1	1		
GRTE0581					1				1			1	1		
GRTE0582					1				1			1	1		
GRTE0583					1				1			1	1		
GRTE0584					1				1			1	1		
GRTE0585					1				1			1	1		
GRTE0586					1				1			1	1		
GRTE0587					1				1			1	1		
GRTE0590					1				1			1	1		
GRTE0592					1				1			1	1		
GRTE0593					1				1			1	1		
GRTE0594					1				1			1	1		
GRTE0595						1			1		1	1	1		
GRTE0596						1			1		1	1	1		
GRTE0597					1				1			1	1		
GRTE0598					1				1			1	1		
GRTE0599					1				1			1	1		
GRTE0600					1				1			1	1		
GRTE0601					1				1			1	1		
GRTE0602					1				1			1	1		
GRTE0603					1				1			1	1		
GRTE0604					1				1			1	1		
GRTE0605						1			1		1	1	1		
GRTE0606					1				1			1	1		
GRTE0607					1				1			1	1		
GRTE0608					1				1			1	1		
GRTE0609					1				1			1	1		
GRTE0610					1				1			1	1		
GRTE0611		1		2	9	2	9	4	8	3	4	9	4	X	X
GRTE0612		7		7	14	12	14	12	13	12	12	14	12	X	X
GRTE0613					1			1	1		1	1	1		
GRTE0614					1				1			1	1		
GRTE0615					1				1			1	1		
GRTE0616					1				1			1	1		
GRTE0617					1				1			1	1		
GRTE0618					1				1			1	1		

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0619					1				1			1	1		
GRTE0620					1		1	1	1		1	1	1		
GRTE0621					1				1			1	1		
GRTE0622					1				1			1	1		
GRTE0623		1		1	2	1	2	2	2	2	2	2	2		
GRTE0624				6	6	6	6	6	6	6	6	6		X	X
GRTE0625							1	1		1					
GRTE0626					1				1			1	1		
GRTE0628					1			1	1	1	1		1		
GRTE0629						1			1			1			
GRTE0630					1				1			1	1		
GRTE0631								1		1	1	1	1		
GRTE0632		1		1	2	1	2	2	2	2	2	2	2		
GRTE0633					1				1			1	1		
GRTE0634	1	1		1	1	1	1	1	1	1	1	1	1		
GRTE0635					1				1			1	1		
GRTE0638					1				1			1	1		
GRTE0641					1				1			1	1		
GRTE0644					1				1			1	1		
GRTE0645					1				1			1	1		
GRTE0646						1			1		1	1			
GRTE0647					2		2		1			2			
GRTE0649					1				1			1	1		
GRTE0655					1				1			1	1		
GRTE0656					1				1			1	1		
GRTE0659										1					
GRTE0660				1	1	1	1	1	1	1	1	1	1		
GRTE0661					1		1	1	1	1	1	1	1		
GRTE0662					1		1	1	1		1	1	1		
GRTE0663					1		1	1	1		1	1	1		
GRTE0664							1			1					
GRTE0665					2		2	1	1		1	2	1		
GRTE0668					1				1			1	1		
GRTE0669					1				1			1	1		
GRTE0670					1				1			1	1		
GRTE0671					1				1			1	1		
GRTE0673					1				1			1	1		
GRTE0674					1				1			1	1		
GRTE0675					1				1			1	1		
GRTE0678					1				1			1	1		
GRTE0679					1				1			1	1		
GRTE0680				1	1	1		1	1	1	1	1	1		
GRTE0681		1		1	1	1		1	1	1	1	1	1		
GRTE0685								1		1	1	1	1		
GRTE0686					1			1	1	1					
GRTE0687					1			1	1	1	1	1	1		
GRTE0688					1	1			1			1	1		
GRTE0689					1	1			1			1			
GRTE0690					1	1			1			1	1		
GRTE0691					1	1			1			1			
GRTE0692					1	1			1			1			
GRTE0693					1	1			1			1			
GRTE0694					1	1			1			1	1		
GRTE0695					1	1			1			1			

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in >2 groups
GRTE0696					1	1			1			1			
GRTE0697					1	1			1			1			
GRTE0698					1	1			1			1	1		
GRTE0699					1	1			1			1			

**APPENDIX C-3** Year With Most Recent Data In Each Parameter Group For Each Site In Snake Headwaters Sub-basin



**Appendix C-3.** Year with most recent data in each parameter group for each site in Snake Headwaters sub-basin.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0055					1976				1976			1976	1976
GRTE0078					1983				1983		1983	1983	1983
GRTE0081	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0083	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0086					1976				1976	1976		1976	1976
GRTE0087					1976				1976	1976		1976	1976
GRTE0089					1977				1977			1977	1977
GRTE0094	1976	1976		1976	1976	1976	1976	1976	1976	1976	1976	1976	1976
GRTE0095	1966					1966			1966			1966	
GRTE0099	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0100	1973				1999	1999	1999	1999	1999	1999	1999	1999	1999
GRTE0101	1967				1967			1967	1967		1967	1967	1967
GRTE0104					1977				1977			1977	1977
GRTE0105					1976				1976	1976		1976	1976
GRTE0108									1995				
GRTE0109	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0110					1977				1977			1977	1977
GRTE0111	1976	1976		1976	1976	1976	1976	1976	1976	1976	1976	1976	1976
GRTE0115									1995				
GRTE0116	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0120					1976				1976	1976		1976	1976
GRTE0121				1993		1993		1993	1995	1993			
GRTE0123					1976				1976	1976		1976	1976
GRTE0125									1995				
GRTE0126							1972					1972	
GRTE0128	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0130					1977				1977			1977	1977
GRTE0132									1995				
GRTE0134					1976				1976	1976		1976	1976
GRTE0135					1976				1976	1976		1976	1976
GRTE0137					1983				1983		1983	1983	1983
GRTE0138							1972					1972	
GRTE0140					1976				1976	1976		1976	1976
GRTE0141									1995				
GRTE0145		1998											
GRTE0146	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0147					1977				1977			1977	1977
GRTE0148					1977				1977			1977	1977
GRTE0149					1976				1976			1976	1976
GRTE0150	1967				1967			1967	1967		1967	1967	1967
GRTE0151							1972					1972	
GRTE0153	1969					1969							
GRTE0154		1996			1996	1996		1996	1996	1996	1996	1996	1996
GRTE0155	1966					1966			1966			1966	
GRTE0156					1992			1992	1992	1992	1992	1992	1992
GRTE0157	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0158			1995	1995	1995				1995	1995		1995	
GRTE0159		1998											
GRTE0160					1995				1995	1995		1995	

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0161					1983	1983			1983		1983	1983	1983
GRTE0162					1977				1977			1977	1977
GRTE0163					1982	1982			1982		1982	1982	1982
GRTE0164					1983	1983			1983		1983	1983	1983
GRTE0165					1976				1976	1976		1976	1976
GRTE0166					1982	1982			1982		1982	1982	1982
GRTE0167			1995	1995	1995				1995	1995		1995	
GRTE0168					1983	1983			1983		1983	1983	1983
GRTE0169					1995				1995	1995		1995	
GRTE0170					1982	1982			1982		1982	1982	1982
GRTE0171					1983				1983		1983	1983	1983
GRTE0172		1998											
GRTE0173					1976				1976	1976		1976	1976
GRTE0174					1976				1976	1976		1976	1976
GRTE0175					1976				1976	1976		1976	1976
GRTE0176		1998											
GRTE0177					1977				1977			1977	1977
GRTE0179							1971					1971	
GRTE0180					1983	1983			1983		1983	1983	1983
GRTE0181		1998											
GRTE0182					1983	1983			1983		1983	1983	1983
GRTE0183		1997			1997	1996		1996	1997	1996	1996	1997	
GRTE0184		1997			1997				1997			1997	
GRTE0187					1983				1983		1983	1983	1983
GRTE0188					1983				1983		1983	1983	1983
GRTE0197					1977				1977				1977
GRTE0198					1983	1983			1983		1983	1983	1983
GRTE0199					1976				1976	1976		1976	1976
GRTE0200			1995	1995	1995				1995	1995		1995	
GRTE0203					1995				1995	1995		1995	
GRTE0205					1983	1982			1983		1983	1983	1983
GRTE0206			1995	1995	1995				1995	1995		1995	
GRTE0207					1976				1976	1976		1976	1976
GRTE0208					1995				1995	1995		1995	
GRTE0209	1969				1969		1969	1969	1969		1969	1969	1969
GRTE0211					1976				1976	1976		1976	1976
GRTE0212					1995					1995		1995	
GRTE0213			1995	1995	1995				1995	1995		1995	
GRTE0214					1982	1982			1982		1982	1982	1982
GRTE0215	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0221					1982	1982			1982		1982	1982	1982
GRTE0222		1998											
GRTE0226					1977				1977			1977	1977
GRTE0227					1982	1982			1982		1982	1982	1982
GRTE0228					1982	1982			1982		1982	1982	1982
GRTE0230					1976				1976	1976		1976	1976
GRTE0232					1977							1977	1977
GRTE0234	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0237					1983	1983			1983		1983	1983	1983
GRTE0238			1995	1995	1995				1995	1995		1995	
GRTE0241	1996				1996	1996		1996	1996	1996		1996	
GRTE0245					1977							1977	1977
GRTE0247		1998											
GRTE0248					1976				1976	1976		1976	1976

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0250					1977							1977	1977
GRTE0253	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0254		1998											
GRTE0255					1976				1976	1976		1976	1976
GRTE0257		1998											
GRTE0259		1997			1997				1997			1997	
GRTE0260					1995				1995	1995		1995	
GRTE0261		1997			1997				1997			1997	
GRTE0262	1973					1973		1973	1973	1973	1973		1973
GRTE0263					1976				1976	1976		1976	1976
GRTE0264					1977							1977	1977
GRTE0265					1976				1976	1976		1976	1976
GRTE0266					1976				1976	1976		1976	1976
GRTE0267					1977							1977	1977
GRTE0268					1976				1976	1976		1976	1976
GRTE0269			1995	1995	1995				1995	1995		1995	
GRTE0270					1976				1976	1976		1976	1976
GRTE0271					1976				1976	1976		1976	1976
GRTE0272					1976				1976	1976		1976	1976
GRTE0273					1992			1992	1992	1992	1992	1992	1992
GRTE0275			1995	1995	1995				1995	1995		1995	
GRTE0276					1995				1995	1995		1995	
GRTE0277					1976				1976	1976		1976	1976
GRTE0279	1973				1973		1973	1973	1973		1973	1973	1973
GRTE0280					1995				1995	1995		1995	
GRTE0281					1976				1976	1976		1976	1976
GRTE0282					1977							1977	1977
GRTE0283					1976				1976	1976		1976	1976
GRTE0284					1977							1977	1977
GRTE0287					1976				1976	1976		1976	1976
GRTE0288			1997	1997									
GRTE0289					1983	1983			1983		1983	1983	1983
GRTE0290						1964			1964				
GRTE0291					1982				1982		1982	1982	1982
GRTE0292					1983	1983			1983		1983	1983	1983
GRTE0295					1976				1976	1976		1976	1976
GRTE0296			1995	1995	1995				1995	1995		1995	
GRTE0297	1972				1972		1972	1972			1972	1972	1972
GRTE0298				1992	1990		1992		1990			1992	
GRTE0299					1983	1983			1983		1983	1983	1983
GRTE0300					1977							1977	1977
GRTE0301					1982	1982			1982		1982	1982	1982
GRTE0302					1976				1976	1976		1976	1976
GRTE0303	1976	1976		1992	1992	1976	1992	1976	1992	1976	1976	1992	1976
GRTE0304					1976				1976	1976		1976	1976
GRTE0305					1977				1977			1977	1977
GRTE0308					1982	1982			1982		1982	1982	1982
GRTE0309			1995	1995	1995				1995	1995		1995	
GRTE0310			1995	1995	1995				1995	1995		1995	
GRTE0311					1982	1982			1982		1982	1982	1982
GRTE0312					1995				1995	1995		1995	
GRTE0313					1995				1995	1995		1995	
GRTE0315					1982	1982			1982		1982	1982	1982
GRTE0316				1992	1990		1992		1990			1992	

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0318					1995			1995	1995		1995	
GRTE0319	1972				1972	1972	1972	1972		1972	1972	1972
GRTE0321					1977			1977			1977	1977
GRTE0322					1982	1982		1982		1982	1982	1982
GRTE0323					1982	1982		1982		1982	1982	1982
GRTE0324			1995	1995	1995			1995	1995		1995	
GRTE0327		1998										
GRTE0328					1995			1995	1995		1995	
GRTE0329	1973				1973	1973	1973	1973	1973	1973	1973	1973
GRTE0330					1976			1976	1976		1976	1976
GRTE0331		1998										
GRTE0333			1995	1995	1995			1995	1995		1995	
GRTE0334					1977			1977			1977	1977
GRTE0335					1995			1995	1995		1995	
GRTE0336	1996				1996	1996	1996	1996	1996		1996	
GRTE0337			1997	1997	1996	1996	1997	1996	1997		1996	
GRTE0338					1982	1982		1982		1982	1982	1982
GRTE0339					1982	1982		1982		1982	1982	1982
GRTE0340					1977						1977	1977
GRTE0342									1997			
GRTE0343									1997			
GRTE0345					1976			1976	1976			1976
GRTE0346		1998			1998	1998	1998	1998	1998		1998	
GRTE0347			1997	1997	1996	1996	1997	1996	1997		1996	
GRTE0350					1983	1983		1983		1983	1983	1983
GRTE0351					1982	1982		1982		1982	1982	1982
GRTE0352	1985			1985	1985		1985	1985		1985	1985	1985
GRTE0353					1982	1982		1982		1982	1982	1982
GRTE0354					1982	1982		1982		1982	1982	1982
GRTE0355					1983	1983		1983		1983	1983	1983
GRTE0356					1982	1982		1982		1982	1982	1982
GRTE0357								1940				
GRTE0358								1957				
GRTE0361					1983			1983		1983	1983	1983
GRTE0362	1965				1965	1965	1965	1965		1965		1965
GRTE0363	1976	1976		1976	1996	1976	1996	1976	1976	1976	1996	1976
GRTE0364					1983			1983		1983	1983	1983
GRTE0365	1968							1968		1968		
GRTE0366					1983	1983		1983		1983	1983	1983
GRTE0367	1996				1996	1996	1996	1996	1996		1996	
GRTE0368					1983	1983		1983		1983	1983	1983
GRTE0369					1976			1976	1976		1976	1976
GRTE0370	1972				1972	1972	1972	1972		1972	1972	1972
GRTE0371			1997	1997	1996	1996	1996	1996	1997		1996	
GRTE0372	1968							1968		1968		
GRTE0373	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992
GRTE0374				1986	1986			1986	1986		1986	
GRTE0375					1947			1947			1947	
GRTE0376	1972				1964		1972	1972	1964	1964	1964	1964
GRTE0377	1964				1964		1964	1964	1964	1964	1964	1964
GRTE0378			1997				1997		1997			
GRTE0379						1997			1997			
GRTE0380					1977			1977			1977	1977
GRTE0381	1972	1993			1996	1996	1972	1972		1972	1996	1992

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0382					1976			1976	1976		1976	1976
GRTE0383	1969							1968		1969		
GRTE0384	1998	1998	1998	1998	1998		1998	1998	1998	1998	1998	1998
GRTE0385				1987	1987			1987	1987	1987	1987	
GRTE0386						1997	1997		1997			
GRTE0387			1996	1996	1996		1996	1996	1996		1996	
GRTE0388	1975				1996	1996	1975	1975	1975	1975	1996	1975
GRTE0389	1972				1972	1972	1972	1972	1972	1972	1972	1972
GRTE0390	1998	1998		1998	1998	1998	1998	1998	1998	1998	1998	1998
GRTE0391	1996				1996	1996	1996	1996	1996		1996	
GRTE0392						1966		1966			1966	
GRTE0393	1975				1975		1975	1975	1975			
GRTE0394	1968							1968		1968	1968	
GRTE0395				1976			1977	1977	1977			
GRTE0396					1977			1977			1977	1977
GRTE0397			1996	1996	1996	1996	1996	1996	1996		1996	
GRTE0398					1976			1976	1976		1976	1976
GRTE0399	1968							1968		1968		
GRTE0400	1968							1968		1968		
GRTE0401					1976			1976			1976	1976
GRTE0402					1977						1977	1977
GRTE0404	1972				1972		1972	1972	1972	1972	1972	1972
GRTE0405					1982	1982		1982		1982	1982	1982
GRTE0406			1995		1995			1995	1995		1995	
GRTE0407					1995			1995	1995		1995	
GRTE0408					1983	1983				1983	1983	1983
GRTE0413	1972						1972	1972	1972		1972	
GRTE0414			1995	1995	1995			1995	1995		1995	
GRTE0415	1975				1975		1975	1975	1975			
GRTE0416	1968							1968		1968	1968	
GRTE0417				1976			1977	1977	1977			
GRTE0418							1969		1969			
GRTE0419		1996					1996		1996			
GRTE0420			1995	1995	1995			1995	1995		1995	
GRTE0421			1997	1997			1996		1997			
GRTE0422							1969		1969			
GRTE0423						1971					1971	
GRTE0424			1997	1997			1997		1997			
GRTE0425								1937			1937	
GRTE0426	1965					1965		1965			1965	
GRTE0427						1948		1948			1948	
GRTE0428	1955					1955		1955			1955	
GRTE0429								1937			1937	
GRTE0430					1983	1983		1983		1983	1983	1983
GRTE0432					1977						1977	1977
GRTE0433							1969		1969			
GRTE0434					1996			1996			1996	
GRTE0435							1969		1969			
GRTE0436		1996			1995	1997	1996	1995	1997		1995	
GRTE0437					1996			1996			1996	
GRTE0438	1975				1975	1975	1975	1975	1975	1975	1975	1975
GRTE0439		1996	1995	1995	1995		1996	1995	1996		1995	
GRTE0440							1969		1969			
GRTE0441					1977						1977	1977

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0442			1997	1997					1997			
GRTE0443			1996	1996		1997	1996		1997			
GRTE0444					1995			1995	1995		1995	
GRTE0445							1969		1969			
GRTE0446			1996	1996	1996		1996	1996	1996		1996	
GRTE0447					1982	1982		1982		1982	1982	1982
GRTE0449					1982			1982		1982	1982	1982
GRTE0450					1982			1982		1982	1982	1982
GRTE0451					1982	1982		1982		1982	1982	1982
GRTE0453					1983			1983		1983	1983	1983
GRTE0454					1982			1982		1982	1982	1982
GRTE0455					1982	1982		1982		1982	1982	1982
GRTE0457					1977						1977	1977
GRTE0458	1970				1965		1970	1970	1970	1970	1965	1970
GRTE0459						1971					1971	
GRTE0460					1982	1982		1982		1982	1982	1982
GRTE0461					1982			1982		1982	1982	1982
GRTE0463		1995	1997	1997	1995		1996	1995	1997		1995	
GRTE0464							1997	1997	1997			
GRTE0465					1995			1995	1995		1995	
GRTE0466					1982	1982		1982		1982	1982	1982
GRTE0467	1972				1972		1972	1972		1972	1972	1972
GRTE0468						1997			1997			
GRTE0469					1982			1982		1982	1982	1982
GRTE0470					1977			1977			1977	1977
GRTE0471					1982	1982		1982		1982	1982	1982
GRTE0472			1997	1997	1995		1997	1995	1997		1995	
GRTE0474			1996	1996	1996	1996		1996	1996		1996	
GRTE0475					1995		1997	1995	1997		1995	
GRTE0476					1982	1982		1982		1982	1982	1982
GRTE0477					1977						1977	1977
GRTE0478	1969							1968		1969		
GRTE0479					1982			1982		1982	1982	1982
GRTE0481					1977						1977	1977
GRTE0483					1982	1982		1982		1982	1982	1982
GRTE0484			1997	1997			1997		1997			
GRTE0485	1975				1975			1975	1975			
GRTE0486	1968							1968	1968	1968	1968	1968
GRTE0487				1976				1977	1977	1977		
GRTE0488						1997	1997		1997			
GRTE0489					1977			1977			1977	1977
GRTE0490						1997	1997		1997			
GRTE0491			1996	1996	1995		1996	1995	1996		1995	
GRTE0492						1972					1972	
GRTE0493	1952					1952		1952			1952	
GRTE0494								1937			1937	
GRTE0495								1937			1937	
GRTE0496					1982	1982		1982		1982	1982	1982
GRTE0497	1975				1975			1975	1975			
GRTE0498							1976	1976	1976			
GRTE0499	1972				1972		1972	1972		1972	1972	1972
GRTE0500					1977						1977	1977
GRTE0501						1997			1997			
GRTE0502						1997			1997			

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0503					1977				1977			1977	1977
GRTE0504							1972					1972	
GRTE0505					1977				1977			1977	1977
GRTE0506					1977				1977			1977	1977
GRTE0507	1975				1975			1975	1975	1975			
GRTE0508	1968							1968	1968		1968	1968	1968
GRTE0509				1976				1977	1977	1977			
GRTE0510					1977							1977	1977
GRTE0511	1995				1995	1995		1995	1995	1995		1995	
GRTE0512					1983	1983			1983		1983	1983	1983
GRTE0513	1969				1969		1969	1969	1969		1969	1969	1969
GRTE0516			1996	1996	1996	1996		1996	1996	1996		1996	
GRTE0518					1983	1983			1983		1983	1983	1983
GRTE0519			1997					1997		1997			
GRTE0520					1977							1977	1977
GRTE0521					1992			1992	1992	1992	1992	1992	1992
GRTE0522	1975				1975			1975	1975	1975			
GRTE0523	1968							1968	1968		1968	1968	1968
GRTE0524				1976				1977	1977	1977			
GRTE0525					1977				1977			1977	1977
GRTE0526					1977							1977	1977
GRTE0527					1977							1977	1977
GRTE0528			1997					1997		1997			
GRTE0530	1977				1977		1977	1977	1977	1977	1977	1977	1977
GRTE0531	1977				1977		1977	1977	1977	1977	1977	1977	1977
GRTE0532					1977							1977	1977
GRTE0533	1977				1977		1977	1977	1977	1977	1977	1977	1977
GRTE0534			1996	1996	1996	1996		1996	1996	1996		1996	
GRTE0535	1960					1960			1960			1954	
GRTE0536	1977				1977		1977	1977	1977	1977	1977	1977	1977
GRTE0537					1977							1977	1977
GRTE0538	1968								1968		1968		
GRTE0539	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0540										1997			
GRTE0541					1977							1977	1977
GRTE0542	1968								1968		1968		
GRTE0543					1977				1977			1977	1977
GRTE0544					1977				1977			1977	1977
GRTE0545					1977								1977
GRTE0546					1977							1977	1977
GRTE0547					1977								1977
GRTE0548	1968							1968	1968		1968	1968	1968
GRTE0549	1968							1968	1968		1968	1968	1968
GRTE0550					1977							1977	1977
GRTE0551	1968								1968		1968		
GRTE0552					1978				1978			1978	1978
GRTE0554	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0555					1978				1978			1978	1978
GRTE0556					1978				1978			1978	1978
GRTE0557					1978				1978			1978	1978
GRTE0558					1978				1978			1978	1978
GRTE0559					1978				1978			1978	1978
GRTE0560					1978				1978			1978	1978
GRTE0561					1978				1978			1978	1978

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0562					1978				1978			1978	1978
GRTE0563					1978				1978			1978	1978
GRTE0564					1978				1978			1978	1978
GRTE0565					1978				1978			1978	1978
GRTE0566					1978				1978			1978	1978
GRTE0567					1978				1978			1978	1978
GRTE0568					1978				1978			1978	1978
GRTE0569					1978				1978			1978	1978
GRTE0570					1978				1978			1978	1978
GRTE0571					1978				1978			1978	1978
GRTE0572					1978				1978			1978	1978
GRTE0573					1978				1978			1978	1978
GRTE0574					1978				1978			1978	1978
GRTE0575					1978				1978			1978	1978
GRTE0576					1978				1978			1978	1978
GRTE0577					1978				1978			1978	1978
GRTE0578	1968								1968		1968		
GRTE0579					1978				1978			1978	1978
GRTE0580					1978				1978			1978	1978
GRTE0581					1978				1978			1978	1978
GRTE0582					1978				1978			1978	1978
GRTE0583					1978				1978			1978	1978
GRTE0584					1978				1978			1978	1978
GRTE0585					1978				1978			1978	1978
GRTE0586					1978				1978			1978	1978
GRTE0587					1978				1978			1978	1978
GRTE0590					1978				1978			1978	1978
GRTE0592					1978				1978			1978	1978
GRTE0593					1978				1978			1978	1978
GRTE0594					1978				1978			1978	1978
GRTE0595						1966			1966		1966		
GRTE0596						1966			1966		1966		
GRTE0597					1978				1978				1978
GRTE0598					1978				1978			1978	1978
GRTE0599					1978				1978			1978	1978
GRTE0600					1978				1978			1978	1978
GRTE0601					1978				1978			1978	1978
GRTE0602					1978				1978			1978	1978
GRTE0603					1978				1978			1978	1978
GRTE0604					1978				1978			1978	1978
GRTE0605						1966			1966		1966	1966	
GRTE0606					1978				1978				1978
GRTE0607					1978				1978			1978	1978
GRTE0608					1978				1978			1978	1978
GRTE0609					1978				1978			1978	1978
GRTE0610					1978				1978			1978	1978
GRTE0611	1976	1976		1988	1988	1988	1988	1988	1988	1988	1988	1988	1988
GRTE0612	1993	1993		1993	1998	1998	1998	1998	1998	1998	1998	1998	1998
GRTE0613	1972				1972			1972	1972		1972	1972	1972
GRTE0614					1978				1978			1978	1978
GRTE0615					1978				1978			1978	1978
GRTE0616					1978				1978			1978	1978
GRTE0617					1978				1978			1978	1978
GRTE0618					1978				1978			1978	1978



Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0619					1978				1978			1978	1978
GRTE0620	1973				1973		1973	1973	1973		1973	1973	1973
GRTE0621					1978				1978			1978	1978
GRTE0622					1978				1978			1978	1978
GRTE0623	1976	1976		1976	1976	1976	1976	1976	1976	1976	1976	1976	1976
GRTE0624	1998			1998	1998	1998	1998	1998	1998	1998	1998	1998	
GRTE0625							1997	1997		1997			
GRTE0626					1978				1978			1978	1978
GRTE0628					1992			1992	1992	1992	1992		1992
GRTE0629	1966					1966			1966			1966	
GRTE0630					1978				1978			1978	1978
GRTE0631	1976							1976		1976	1976	1976	1976
GRTE0632	1976	1976		1976	1976	1976	1976	1976	1976	1976	1976	1976	1976
GRTE0633					1978				1978			1978	1978
GRTE0634	1976	1976		1976	1976	1976	1976	1976	1976	1976	1976	1976	1976
GRTE0635					1978				1978			1978	1978
GRTE0638					1978				1978			1978	1978
GRTE0641					1978				1978			1978	1978
GRTE0644					1978				1978			1978	1978
GRTE0645					1978				1978			1978	1978
GRTE0646						1965			1965		1965	1965	
GRTE0647					1983		1983		1982			1983	
GRTE0649					1978				1978			1978	1978
GRTE0655					1978				1978			1978	1978
GRTE0656					1978				1978			1978	1978
GRTE0659										1997			
GRTE0660				1988	1988	1988	1988	1988	1988	1988	1988	1988	1988
GRTE0661	1970				1970		1970	1970	1970		1970	1970	1970
GRTE0662	1970				1970		1970	1970	1970		1970	1970	1970
GRTE0663	1970				1970		1970	1970	1970		1970	1970	1970
GRTE0664							1997			1997			
GRTE0665	1970				1993		1993	1970	1970		1970	1993	1970
GRTE0668					1978				1978			1978	1978
GRTE0669					1978				1978			1978	1978
GRTE0670					1978				1978			1978	1978
GRTE0671					1978				1978			1978	1978
GRTE0673					1978				1978			1978	1978
GRTE0674					1978				1978			1978	1978
GRTE0675					1978				1978			1978	1978
GRTE0678					1978				1978			1978	1978
GRTE0679					1978				1978			1978	1978
GRTE0680	1970			1970	1970			1970	1970	1970	1970	1970	1970
GRTE0681	1970	1970		1970	1970	1970		1970	1970	1970	1970	1970	1970
GRTE0685	1976							1976		1976	1976	1976	1976
GRTE0686					1999			1999	1999	1999			
GRTE0687	1975				1975			1975	1975	1975	1975	1975	1975
GRTE0688					1996	1996			1996			1996	1996
GRTE0689					1996	1996			1996			1996	
GRTE0690					1996	1996			1996			1996	1996
GRTE0691					1996	1996			1996			1996	
GRTE0692					1996	1996			1996			1996	
GRTE0693					1996	1996			1996			1996	
GRTE0694					1996	1996			1996			1996	1996
GRTE0695					1996	1996			1996			1996	

<b>Station</b>	<b>Alkalinity</b>	<b>Bacteriological</b>	<b>Chlorophyll</b>	<b>Clarity/Turbidity</b>	<b>Conductivity</b>	<b>Dissolved Oxygen</b>	<b>Flow</b>	<b>Nitrate/Nitrogen</b>	<b>pH</b>	<b>Phosphate/Phosphorous</b>	<b>Sulfates</b>	<b>Temperature</b>	<b>Toxic Elements</b>
GRTE0696					1996	1996			1996			1996	
GRTE0697					1996	1996			1996			1996	
GRTE0698					1996	1996			1996			1996	1996
GRTE0699					1996	1996			1996			1996	

**APPENDIX C-4** Summary Data For Individual Site / Parameter Combinations In  
Snake Headwaters Sub-basin

**Appendix C-4.** No. of samples, mean and standard deviation of parameter values for all sampling locations in Snake Headwaters sub-basin.

Station	Parameter Group	Parameter Name	No. samples	Mean	SD		
GRTE0055	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	460			
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.6			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6			
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3			
GRTE0078	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	472			
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.3			
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	221			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	24			
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	60			
		"MAGNESIUM, TOTAL (MG/L AS Mg)"	2	17			
GRTE0081	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	14	147	4.8		
		BICARBONATE ION (MG/L AS HCO3)	14	178	6.1		
		CARBONATE ION (MG/L AS CO3)	14	0.3	0.7		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	14	440	5.9		
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	14	10	3.2		
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	12	0.03	0.05		
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.08			
	pH	PH (STANDARD UNITS)	14	7.8	0.3		
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	14	221	4.3		
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	12	284	7.9		
		"SULFATE, TOTAL (MG/L AS SO4)"	14	85	3.4		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	14	27	0.7		
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	14	17	13		
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	14	55	1.5		
		"IRON, TOTAL (UG/L AS Fe)"	12	63	52		
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	14	21	1.7		
		"POTASSIUM, DISSOLVED (MG/L AS K)"	14	2.7	0.2		
		"SODIUM, DISSOLVED (MG/L AS Na)"	14	6.7	0.4		
		"SODIUM, PERCENT"	14	6	<0.0001		
		SODIUM ADSORPTION RATIO	14	0.2	<0.0001		
		GRTE0083	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	13	
				BICARBONATE ION (MG/L AS HCO3)	1	16	
	CARBONATE ION (MG/L AS CO3)			1	ND		
Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		1	25			
Flow	"FLOW, STREAM, MEAN DAILY CFS"		1	9			
Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"		1	0.03			
pH	PH (STANDARD UNITS)		1	6.5			
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"		1	11			
	"SULFATE, TOTAL (MG/L AS SO4)"		1	3			
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		1	8			
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"		1	10			
	"CALCIUM, DISSOLVED (MG/L AS Ca)"	1	3.1				
	"IRON, DISSOLVED (UG/L AS Fe)"	1	20				
	"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	1	0.9				
	"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.6				
	"SODIUM, DISSOLVED (MG/L AS Na)"	1	0.6				
	"SODIUM, PERCENT"	1	10				
	SODIUM ADSORPTION RATIO	1	0.1				
GRTE0086	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	70			
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.6			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.08			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17			
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS Al)"	2	636			
		"BARIUM, DISSOLVED (UG/L AS Ba)"	2	65			
		"BERYLLIUM, DISSOLVED (UG/L AS Be)"	2	1			
		"BORON, DISSOLVED (UG/L AS B)"	2	24			
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	30			
		"CERIUM, DISSOLVED (UG/L AS Ce)"	2	30			
		"CHROMIUM, DISSOLVED (UG/L AS Cr)"	2	6			
		"COBALT, DISSOLVED (UG/L AS Co)"	2	2			
		"COPPER, DISSOLVED (UG/L AS Cu)"	2	9			

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"IRON, DISSOLVED (UG/L AS FE)"	2	1479	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	8.7	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	14	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	7	
		"NIOBIUM, DISSOLVED UG/L"	2	5	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	8.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	99	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	13	
		"URANIUM, NATURAL, DISSOLVED"	2	1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	127	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0087	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	34	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	16	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	668	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	42	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	17	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	12	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	8	
		"IRON, DISSOLVED (UG/L AS FE)"	2	447	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	3.6	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	12	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	16	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	3.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	34	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	10	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	72	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0089	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	79	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	0.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
GRTE0094	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	10	65	16
		BICARBONATE ION (MG/L AS HCO3)	10	79	20
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	2	1	
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	6	7	3.6
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	6	1.7	1
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10	167	32
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	8.7	1
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	10	3614	2242
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.04	0.02

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	10	0.3	0.3	
	pH	PH (STANDARD UNITS)	10	7.8	0.3	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	8	0.04	0.04	
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.02	0.008	
		"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	6	0.01	0.005	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	10	66	20	
		"SULFATE, TOTAL (MG/L AS SO4)"	10	8.4	1.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	10	12	4.5	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	10	20	5.8	
		"IRON, DISSOLVED (UG/L AS FE)"	10	22	12	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	10	4	1.3	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	10	1.8	0.2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	10	7.3	1.2	
		"SODIUM, PERCENT"	10	19	3.6	
		SODIUM ADSORPTION RATIO	10	0.4	0.07	
	GRTE0095	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	8	4.3	3.9
		Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	9.3	1.8
"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"			4	84	11	
pH		PH (STANDARD UNITS)	10	8.4	0.4	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	5	12	4.1		
	"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	10	53	7		
GRTE0099	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	63		
		BICARBONATE ION (MG/L AS HCO3)	2	77		
		CARBONATE ION (MG/L AS CO3)	2	ND		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	125		
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	2		
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.07		
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.3		
	pH	PH (STANDARD UNITS)	2	8		
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	61		
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	78		
		"SULFATE, TOTAL (MG/L AS SO4)"	2	1.8		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7		
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	20		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	20		
		"IRON, DISSOLVED (UG/L AS FE)"	2	10		
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	2.8		
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.9		
"SODIUM, DISSOLVED (MG/L AS NA)"		2	1.6			
"SODIUM, PERCENT"		2	5			
SODIUM ADSORPTION RATIO		2	0.1			
GRTE0100	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	6	57	27	
		BICARBONATE ION (MG/L AS HCO3)	6	63	44	
		CARBONATE ION (MG/L AS CO3)	6	3.7	5.7	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	83	167	30	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	77	10	1.2	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	8	108	5.1	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	79	5193	5554	
		"FLOW, STREAM, MEAN DAILY CFS"	4	1645	87	
		"STAGE, STREAM (FEET)"	2	9.7		
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	4	0.01	0.01	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	6	0.03	0.05	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	79	0.06	0.02	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	76	0.02	0.009	
		"NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)"	34	0.2	<0.0001	
	Nitrogen	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	76	0.2	0.1	
	pH	"PH, LAB, STANDARD UNITS SU"	76	7.9	0.2	
PH (STANDARD UNITS)		83	8.2	0.2		
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	34	0.02	0.009		
	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	76	0.01	0.006		
	"PHOSPHORUS, TOTAL (MG/L AS P)"	77	0.05	0.1		
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	6	75	5.2		
	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	78	104	21		
	"SULFATE, TOTAL (MG/L AS SO4)"	82	8.6	2.2		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	83	7.4	5.1		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Toxic Elements	"ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L"	21	0.002	<0.0001
		"ALACHLOR (LASSO), WATER, DISSOLVED UG/L"	21	0.002	<0.0001
		"BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.002	<0.0001
		"BORON, DISSOLVED (UG/L AS B)"	4	50	12
		"BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	21	0.002	<0.0001
		"CALCIUM, DISSOLVED (MG/L AS CA)"	82	20	3.9
		"CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.003	<0.0001
		"CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.003	0.002
		"CHLORPYRIFOS, DISSOLVED UG/L"	21	0.004	<0.0001
		"CYANAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	21	0.004	<0.0001
		"DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.002	0.0003
		"DEETHYL ATRAZINE, DISSOLVED, WATER, TOT REC UG/L"	21	0.002	<0.0001
		"DIETHYLANILINE, 2, 6-, 0.7UM FILT, TOT RECV, WTR UG/L"	21	0.003	<0.0001
		"DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.02	0.002
		"EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.002	<0.0001
		"ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.004	<0.0001
		"ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.003	<0.0001
		"FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	21	0.003	<0.0001
		"GAMMA-BHC(LINDANE), DISSOLVED, UG/L"	21	0.004	<0.0001
		"IRON, DISSOLVED (UG/L AS FE)"	80	11	11
		"IRON, TOTAL (UG/L AS FE)"	2	20	
		"LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.002	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	82	4.1	0.9
		"MANGANESE, DISSOLVED (UG/L AS MN)"	76	3.6	1.9
		"METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.001	<0.0001
		"METHYL PARATHION, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.006	<0.0001
		"METOLACHLOR, WATER, DISSOLVED UG/L"	21	0.002	<0.0001
		"METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L"	21	0.004	<0.0001
		"MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.004	<0.0001
		"NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.003	<0.0001
		"P,P'-DDE DISSUG/L"	21	0.006	0.001
		"PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.004	<0.0001
		"PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.004	<0.0001
		"PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.005	<0.0001
		"PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.002	<0.0001
		"POTASSIUM, DISSOLVED (MG/L AS K)"	82	3.9	14
		"PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	21	0.02	<0.0001
		"PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.003	<0.0001
		"PROPACHLOR, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	21	0.007	<0.0001
		"PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.004	<0.0001
		"PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.01	0.002
		"SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	21	0.005	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	80	7.6	1.9
		"SODIUM, PERCENT"	4	19	1.2
		"TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.01	<0.0001
		"TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.007	<0.0001
		"TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.01	0.002
		"THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.002	<0.0001
		"TRIALATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	21	0.001	<0.0001
		"TRIFLURALINE, 0.7UM FILT, TOT RECV, WATER UG/L"	21	0.002	<0.0001
A-BHC-ALPHA DISSUG/L	21	0.002	<0.0001		
ATRAZINE DISSOLVED IN WATER PPB	21	0.002	0.001		
DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	0.002	<0.0001		
DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	0.001	<0.0001		
MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	0.005	<0.0001		
PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	21	0.004	<0.0001		
SODIUM ADSORPTION RATIO	4	0.4	<0.0001		
GRTE0101	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	2	296	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	487	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	2.7	
	pH	PH (STANDARD UNITS)	2	7.5	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	245	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	312	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	13	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	ND	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	64	
		"IRON, TOTAL (UG/L AS FE)"	2	ND	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	21	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	4.4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.8	
GRTE0104	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	37	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.5	
GRTE0105	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	360	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	88	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	86	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	44	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	24	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	7	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	40	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	42	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	6	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	6.7	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	20	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	736	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	22	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.9	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	8	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	6	
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	15		
GRTE0108	pH	PH (STANDARD UNITS)	6	6.3	0.03
GRTE0109	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	136	
		BICARBONATE ION (MG/L AS HCO3)	2	163	
		CARBONATE ION (MG/L AS CO3)	2	1	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	390	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	5	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	0.05	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.2	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.01	
	pH	PH (STANDARD UNITS)	2	8.4	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	180	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	1	214	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	65	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.3	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	35	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	47	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	15	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.2	
		"SODIUM, PERCENT"	2	8	
		SODIUM ADSORPTION RATIO	2	0.3	



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0110	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	370	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
GRTE0111	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	10	56	20
		BICARBONATE ION (MG/L AS HCO3)	10	68	25
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	2	10	
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	6	13	6.6
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	8	2.3	2.3
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10	149	47
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	8.5	1
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	10	3554	2242
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.07	0.02
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	10	0.4	0.2
	pH	PH (STANDARD UNITS)	10	7.6	0.4
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	8	0.05	0.05
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.02	0.01
		"PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	8	0.01	0.005
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	10	58	22
		"SULFATE, TOTAL (MG/L AS SO4)"	10	7.9	1.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	10	11	4.1
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	10	17	6.3
		"IRON, DISSOLVED (UG/L AS Fe)"	10	14	8.4
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	10	3.5	1.4
		"POTASSIUM, DISSOLVED (MG/L AS K)"	10	1.7	0.2
		"SODIUM, DISSOLVED (MG/L AS Na)"	10	6.2	2
"SODIUM, PERCENT"		10	19	3	
SODIUM ADSORPTION RATIO		10	0.4	0.08	
GRTE0115	pH	PH (STANDARD UNITS)	2	6.1	
GRTE0116	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	173	
		BICARBONATE ION (MG/L AS HCO3)	2	211	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	415	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	12	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.3	
	pH	PH (STANDARD UNITS)	2	8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	200	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	40	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	40	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	57	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	14	
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	1.8		
"SODIUM, DISSOLVED (MG/L AS Na)"		2	6.2		
"SODIUM, PERCENT"		2	6		
SODIUM ADSORPTION RATIO		2	0.2		
GRTE0120	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	75	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.6	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.07	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS Al)"	2	608	
		"BARIUM, DISSOLVED (UG/L AS Ba)"	2	49	
		"BERYLLIUM, DISSOLVED (UG/L AS Be)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	17	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	22	
		"CERIUM, DISSOLVED (UG/L AS Ce)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS Cr)"	2	6	
		"COBALT, DISSOLVED (UG/L AS Co)"	2	2	
		"COPPER, DISSOLVED (UG/L AS Cu)"	2	3	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	1117	
		"LITHIUM, DISSOLVED (UG/L AS Li)"	2	4	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	6.1	
		"MANGANESE, DISSOLVED (UG/L AS Mn)"	2	12	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	7	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	10	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	5.6	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	68	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	12	
		"URANIUM, NATURAL, DISSOLVED"	2	1.7	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	85	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0121	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	6	ND	
	Dissolved Oxygen	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	6	72	2.6
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	ND	
	pH	PH (STANDARD UNITS)	12	7.4	1.1
	Phosphate/Phosphorous	"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	6	0.03	0.05
GRTE0123	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	330	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	61	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	54	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	41	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	24	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	27	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	24	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.8	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	11	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	498	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	4	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0125	pH	PH (STANDARD UNITS)	8	6.3	0.2
GRTE0126	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	49	13
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	11	0.9
GRTE0128	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	14	117	34
		BICARBONATE ION (MG/L AS HCO3)	14	141	41
		CARBONATE ION (MG/L AS CO3)	14	0.9	2.2
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	14	266	81
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	14	61	92
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	12	0.1	0.1
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
	pH	PH (STANDARD UNITS)	14	7.8	0.5
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	14	124	38
		"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	12	170	54

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"SULFATE, TOTAL (MG/L AS SO4)"	14	24	11
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	14	8.5	8.2
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	14	23	19
		"CALCIUM, DISSOLVED (MG/L AS CA)"	14	38	10
		"IRON, TOTAL (UG/L AS FE)"	12	72	56
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	14	6.5	3
		"POTASSIUM, DISSOLVED (MG/L AS K)"	14	1.3	0.2
		"SODIUM, DISSOLVED (MG/L AS NA)"	14	8	3.1
		"SODIUM, PERCENT"	14	12	1.4
		SODIUM ADSORPTION RATIO	14	0.3	0.09
GRTE0130	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	75	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.4	
GRTE0132	pH	PH (STANDARD UNITS)	2	6.3	
GRTE0134	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	21	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	126	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	31	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	65	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	59	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	12	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	11	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	3	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	15	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	396	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.6	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	11	
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2		
GRTE0135	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	320	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.2	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	346	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	245	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	97	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	140	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	116	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	12	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	9	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	318	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	33	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	21	
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	23		
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	14	
		"NIOBIUM, DISSOLVED UG/L"	2	15	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	5.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	44	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	761	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	12	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	20	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	3	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	105	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0137	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	6	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	1.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.5	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0138	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	0.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9.5	
GRTE0140	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	34	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	101	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	22	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	14	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	9.3	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	5	
		"IRON, DISSOLVED (UG/L AS FE)"	2	97	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	2.1	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.1	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	25	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	107	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0141	pH	PH (STANDARD UNITS)	2	6.1	
GRTE0145	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	2	ND	
GRTE0146	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	16	
		BICARBONATE ION (MG/L AS HCO3)	2	19	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	30	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	11	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
	pH	PH (STANDARD UNITS)	2	7.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	14	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	4.1	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	30	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	0.9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	0.4	
		"SODIUM, PERCENT"	2	6	
	SODIUM ADSORPTION RATIO	2	ND		
GRTE0147	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	90	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	4.8	
GRTE0148	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	33	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.7	
GRTE0149	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	32	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.9	
GRTE0150	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	2	236	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	376	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.3	
	pH	PH (STANDARD UNITS)	2	7.5	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	191	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	254	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	2.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	57	
		"IRON, TOTAL (UG/L AS FE)"	2	30	
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		2	12		
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	5.1		
"SODIUM, DISSOLVED (MG/L AS NA)"		2	2.5		
GRTE0151	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	39	13
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	13	1.7
GRTE0153	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	34	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	11	
GRTE0154	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	22	ND	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	22	16	1.3
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	20	10	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	10	75	4.5
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	18	0.02	0.02
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	18	0.1	0.3
		"NITROGEN, TOTAL (MG/L AS N)"	18	0.3	0.5
	pH	"PH, FIELD, STANDARD UNITS SU"	22	6	<0.0001
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	18	0.009	0.01
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	8	5.3	0.5
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	22	2.9	0.3
	GRTE0155	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	3
Dissolved Oxygen		"OXYGEN, DISSOLVED MG/L"	8	9.1	1.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	83	9.2
pH		PH (STANDARD UNITS)	10	8.3	0.3
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	5	12	3.9
	"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	10	54	6.6	
GRTE0156	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	380	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.1	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01	
	pH	"PH, LAB, STANDARD UNITS SU"	2	8	
		PH (STANDARD UNITS)	2	7.8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.02	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	6.1	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0157	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	57	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.9	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.3	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	198	
		BICARBONATE ION (MG/L AS HCO3)	2	241	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	380	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	0.3	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.04	
	pH	PH (STANDARD UNITS)	2	7.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	200	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	5.9	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.5		
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	ND		
	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	60		
	"IRON, DISSOLVED (UG/L AS FE)"	2	10		
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	13		
	"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.5		
	"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.3		
	"SODIUM, PERCENT"	2	2		
	SODIUM ADSORPTION RATIO	2	0.1		
GRTE0158	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	2.4	0.6
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	4	1.2
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	39	4.5
	pH	PH (STANDARD UNITS)	4	8.3	<0.0001
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.009	0.002
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	12	2.3
GRTE0159	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	24	16	19
GRTE0160	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	36	6.4
	pH	PH (STANDARD UNITS)	2	8.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.002
GRTE0161	Conductivity	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	12	1.7
	Dissolved Oxygen	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	20	28	3.1
		"OXYGEN, DISSOLVED MG/L"	20	9	0.7
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	20	99	2.2
	pH	"PH, FIELD, STANDARD UNITS SU"	16	7.2	0.4
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	20	13	1.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	20	12	3
Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	20	4.1	0.7	
	"MAGNESIUM, TOTAL (MG/L AS MG)"	20	0.6	0.4	
GRTE0162	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	38	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	2.4	
GRTE0163	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	40	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	10	0.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.6	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	23	0.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	5	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	8.7	0.4
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	0.3	0.3	
GRTE0164	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	52	1.7
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.4	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.3	0.06
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	32	0.8
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	3	<0.0001
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	11	0.6
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	1	0.1	
GRTE0165	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	24	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.2	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	211	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	15	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	5.7	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	3	
		"IRON, DISSOLVED (UG/L AS FE)"	2	144	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	1.1	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	17	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
"ZINC, DISSOLVED (UG/L AS ZN)"	2	73			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
GRTE0166	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	25	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.8	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	6.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	2.1	
"MAGNESIUM, TOTAL (MG/L AS MG)"		2	0.4		
GRTE0167	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	6	5.6	2.1
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	6	4	0.4
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	18	1.5
	pH	PH (STANDARD UNITS)	6	8.9	0.09
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.02	0.007
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	11	1.9
GRTE0168	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	16	20	8.2
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	16	6.6	4.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	16	66	40
	pH	"PH, FIELD, STANDARD UNITS SU"	16	6.8	0.5
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	16	7.9	2.3
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	16	8.5	3.9
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	16	2.7	0.9
"MAGNESIUM, TOTAL (MG/L AS MG)"		16	0.3	0.3	
GRTE0169	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	19	1.2
	pH	PH (STANDARD UNITS)	2	8.8	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	11	1.2
GRTE0170	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	26	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	11	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	10	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	3.8	
"MAGNESIUM, TOTAL (MG/L AS MG)"		2	0.2		
GRTE0171	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	12	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	7.2	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1.7	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.8	
GRTE0172	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	40	2.9	6.8
GRTE0173	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	280	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.2	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	523	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	1569	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	84	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	111	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	33	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	14	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	33	
		"IRON, DISSOLVED (UG/L AS FE)"	2	356	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	28	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	18	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	24	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	8	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	4.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	36	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	619	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	8	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	42	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	7	
GRTE0174	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	168	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	145	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	35	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	72	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	49	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	22	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	10	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	9	
		"IRON, DISSOLVED (UG/L AS FE)"	2	142	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	13	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	7	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	24	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	15	
		"NIOBIUM, DISSOLVED UG/L"	2	26	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	16	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	443	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	19	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.5	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	14	



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	3	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	28	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	10	
GRTE0175	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	153	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	216	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	69	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	106	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	4	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	28	
		"IRON, DISSOLVED (UG/L AS FE)"	2	164	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	25	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	25	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	9	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	11	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	4.1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	25	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	673	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
	"URANIUM, NATURAL, DISSOLVED"	2	0.8		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	66		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2		
GRTE0176	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	34	0.2	0.4
GRTE0177	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	33	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.9	
GRTE0179	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	51	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14	
GRTE0180	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	20	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	8	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	8.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1.2	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	1.2	
GRTE0181	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	32	1.4	4.9
GRTE0182	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	12	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	10	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	7.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	2	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.6	
GRTE0183	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	32	ND	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	30	18	6.8
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	22	9.9	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	11	78	4.9
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	18	0.05	0.07
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	18	0.08	0.2

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"NITROGEN, TOTAL (MG/L AS N)"	18	0.3	0.4
	pH	"PH, FIELD, STANDARD UNITS SU"	30	6.5	1
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	18	0.01	0.02
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	8	5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	32	5	1.1
GRTE0184	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	10	ND	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	10	20	4.5
	pH	"PH, FIELD, STANDARD UNITS SU"	10	7.2	0.7
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	10	4.3	1.4
GRTE0187	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	57	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.5	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	31	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	9.3	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	1.9	
GRTE0188	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	14	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	0.7	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.1	
GRTE0197	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	17	
	pH	"PH, LAB, STANDARD UNITS SU"	2	4.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	3.1	
GRTE0198	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	6	8.3	0.5
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	6	9.4	0.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	6	98	3.1
	pH	"PH, FIELD, STANDARD UNITS SU"	6	8.1	0.4
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	6	2.7	0.7
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	2.7	1
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	6	0.9	0.2
		"MAGNESIUM, TOTAL (MG/L AS MG)"	6	0.2	0.05
GRTE0199	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	150	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	522	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	54	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	9	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	33	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	6	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	3	
		"IRON, DISSOLVED (UG/L AS FE)"	2	460	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	7	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	25	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	12	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	4.4	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	127	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	7	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	34	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	7	
GRTE0200	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	1	0.2

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	5.8	0.3
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	8.5	0.4
	pH	PH (STANDARD UNITS)	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.03	0.005
GRTE0203	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	12	1.7
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	8	0.2
	pH	PH (STANDARD UNITS)	2	6	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.002
GRTE0205	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	12	3.5
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	6	11	0.5
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	6.5	2.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	71	30
	pH	"PH, FIELD, STANDARD UNITS SU"	6	7.9	0.05
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	6	3.2	0.9
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	2.7	1
GRTE0206	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	6	1.1	0.4
		"MAGNESIUM, TOTAL (MG/L AS Mg)"	6	0.1	0.09
	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	1.7	0.06
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	7	1.2
GRTE0207	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	9.4	0.5
	pH	PH (STANDARD UNITS)	2	6	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	9.5	0.6
GRTE0207	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	400	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	13	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	794	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	114	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	26	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	72	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	9	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	750	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	16	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	46	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	11	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	283	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	10	
	"URANIUM, NATURAL, DISSOLVED"	2	0.1		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	48		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2		
GRTE0208	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	7	0.1
	pH	PH (STANDARD UNITS)	2	7	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.0006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	9	1.2
GRTE0209	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	11	
		BICARBONATE ION (MG/L AS HCO3)	2	13	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	28	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	229	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	ND	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	PH (STANDARD UNITS)	2	6.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	12	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	30	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	19	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	ND	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	3.3	
		"IRON, TOTAL (UG/L AS FE)"	2	50	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	1	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.6	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	0.6	
		"SODIUM, PERCENT"	2	9	
		SODIUM ADSORPTION RATIO	2	0.1	
	GRTE0211	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	120
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	160		
	"BARIUM, DISSOLVED (UG/L AS BA)"	2	33		
	"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
	"BORON, DISSOLVED (UG/L AS B)"	2	8		
	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	26		
	"CERIUM, DISSOLVED (UG/L AS CE)"	2	30		
	"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	7		
	"COBALT, DISSOLVED (UG/L AS CO)"	2	2		
	"COPPER, DISSOLVED (UG/L AS CU)"	2	2		
	"IRON, DISSOLVED (UG/L AS FE)"	2	159		
	"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2		
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	5.6		
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	8		
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4		
	"NICKEL, DISSOLVED (UG/L AS NI)"	2	25		
	"NIOBIUM, DISSOLVED UG/L"	2	4		
	"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.7		
	"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1		
	"SILVER, DISSOLVED (UG/L AS AG)"	2	2		
	"SODIUM, DISSOLVED (MG/L AS NA)"	2	3.3		
	"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	72		
	"THORIUM, DISSOLVED IN WATER UG/L"	2	5		
	"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2		
	"URANIUM, NATURAL, DISSOLVED"	2	0.1		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	6		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
"ZINC, DISSOLVED (UG/L AS ZN)"	2	17			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	3			
GRTE0212	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	10	1.8
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.008
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
GRTE0213	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.5	<0.0001
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	2	0.6
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	62	61
	pH	PH (STANDARD UNITS)	2	7.9	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.004
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7	2.3
GRTE0214	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	11	0.6
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	10	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	8.1	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	4	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	6	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	1.6	<0.0001
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	ND		
GRTE0215	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	75	
		BICARBONATE ION (MG/L AS HCO3)	2	92	
		CARBONATE ION (MG/L AS CO3)	2	ND	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	179	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	1330	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.07	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.3	
	pH	PH (STANDARD UNITS)	2	8.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	70	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	112	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	8.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	40	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	25	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	2	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.6	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.5	
		"SODIUM, PERCENT"	2	18	
		SODIUM ADSORPTION RATIO	2	0.4	
GRTE0221	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	23	
Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.2		
	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100		
pH	"PH, FIELD, STANDARD UNITS SU"	2	6.4		
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	80		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14		
Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	27		
	"MAGNESIUM, TOTAL (MG/L AS MG)"	2	3		
GRTE0222	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	34	10	17
GRTE0226	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	25	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	2	
GRTE0227	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	19	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	10	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.4	0.3
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	7.9	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	<0.0001
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	3.1	<0.0001
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.05	0.06
GRTE0228	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	15	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	8.4	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	94	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	6.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.8	
GRTE0230	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	220	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	162	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	76	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	44	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	153	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	10	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	11	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	7	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	9.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	196	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	29	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0232	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	32	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	2.2	
GRTE0234	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	10	11	1.7
		BICARBONATE ION (MG/L AS HCO3)	10	14	2.3
		CARBONATE ION (MG/L AS CO3)	10	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10	34	23
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	10	155	146
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	8	0.06	0.09
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.04	
	pH	PH (STANDARD UNITS)	10	6.7	0.5
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	10	11	1.6
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	8	22	7.8
		"SULFATE, TOTAL (MG/L AS SO4)"	10	2.3	1.6
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	10	10	6.1
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	10	5	9.7
		"CALCIUM, DISSOLVED (MG/L AS CA)"	10	3	0.8
		"IRON, DISSOLVED (UG/L AS FE)"	1	10	
		"IRON, TOTAL (UG/L AS FE)"	8	44	39
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	10	0.9	0.6
		"POTASSIUM, DISSOLVED (MG/L AS K)"	10	0.6	0.2
		"SODIUM, DISSOLVED (MG/L AS NA)"	10	0.9	1
		"SODIUM, PERCENT"	10	14	12
		SODIUM ADSORPTION RATIO	10	0.2	0.2
GRTE0237	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	234	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.4	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	97	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	16	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	32	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	3.9	
GRTE0238	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	1.3	0.9
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	8	1.2
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	29	0.5
	pH	PH (STANDARD UNITS)	2	7.9	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.003
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	15	2.3
GRTE0241	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	14	163	63
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	14	374	121
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	14	3.4	1.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	7	34	19
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	5	0.03	0.03
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	12	0.7	0.5
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	10	0.8	0.2
	pH	"PH, FIELD, STANDARD UNITS SU"	14	7.7	0.4
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	10	0.06	0.04
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.2	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	14	14	5.3
GRTE0245	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	25	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.8	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0247	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	32	28	32
GRTE0248	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	150	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	163	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	50	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	8	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	32	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	167	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	6.7	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	12	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	14	
		"NIOBIUM, DISSOLVED UG/L"	2	14	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.9	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	3.8	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	125	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	10	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	5	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
"ZINC, DISSOLVED (UG/L AS ZN)"		2	25		
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"		2	3		
GRTE0250	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	51	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	3.5	
GRTE0253	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	14	
		BICARBONATE ION (MG/L AS HCO3)	2	17	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	30	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	49	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.09	
	pH	PH (STANDARD UNITS)	2	6.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	13	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	3.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	3.9	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	0.8	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.6	
"SODIUM, DISSOLVED (MG/L AS NA)"		2	0.4		
"SODIUM, PERCENT"		2	6		
SODIUM ADSORPTION RATIO		2	ND		
GRTE0254	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	34	28	33
GRTE0255	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	300	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.07	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	308	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	445	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	40	
"CALCIUM, DISSOLVED (MG/L AS CA)"		2	151		
"CERIUM, DISSOLVED (UG/L AS CE)"	2	30			

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	512	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	12	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	32	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	18	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	12	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	8.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	18	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	753	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	5	
		"URANIUM, NATURAL, DISSOLVED"	2	2.8	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	33	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0257	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	34	25	33
GRTE0259	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	26	3.1	3.2
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	14	26	3.9
	pH	"PH, FIELD, STANDARD UNITS SU"	10	6.3	0.8
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	24	6.7	1.6
GRTE0260	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	30	8.1
	pH	PH (STANDARD UNITS)	2	7.8	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.004
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	13	1.2
GRTE0261	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	26	3.1	3.1
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	14	28	6
	pH	"PH, FIELD, STANDARD UNITS SU"	10	6.5	0.9
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	24	5.9	2.8
GRTE0262	Alkalinity	"ALKALINITY, CARBONATE (MG/L AS CACO3)"	2	33	
		"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	12	ND	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	8.7	1
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	12	0.04	0.04
		"NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)"	4	0.001	<0.0001
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	4	0.02	0.02
	pH	PH (STANDARD UNITS)	12	7.1	0.2
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	12	1	2.3
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	12	26	7.2
		"SULFATE, TOTAL (MG/L AS SO4)"	4	2.4	0.5
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	12	68	31
		"CALCIUM, DISSOLVED (MG/L AS CA)"	12	3.5	0.4
		"COPPER, DISSOLVED (UG/L AS CU)"	12	3	2.3
		"IRON, DISSOLVED (UG/L AS FE)"	10	5.6	5.1
		"LEAD, DISSOLVED (UG/L AS PB)"	4	0.2	0.07
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	12	1.8	0.9
		"MANGANESE, DISSOLVED (UG/L AS MN)"	12	16	12
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	12	1.5	1
		"POTASSIUM, DISSOLVED (MG/L AS K)"	12	0.7	0.3
		"SODIUM, DISSOLVED (MG/L AS NA)"	12	2.6	2.7
		"SODIUM, PERCENT"	12	23	22
		"ZINC, DISSOLVED (UG/L AS ZN)"	6	11	13
		SODIUM ADSORPTION RATIO	12	0.3	0.3
GRTE0263	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	120	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	1024	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	138	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"BORON, DISSOLVED (UG/L AS B)"	2	33	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	84	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	7	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	3	
		"IRON, DISSOLVED (UG/L AS FE)"	2	703	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	7	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	17	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	32	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	29	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.7	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	13	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	354	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	13	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	11	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	80	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	8	
GRTE0264	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	14	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
GRTE0265	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	117	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	119	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	29	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	75	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	10	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	3	
		"IRON, DISSOLVED (UG/L AS FE)"	2	144	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	5	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	13	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	23	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	5	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	12	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	12	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	345	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	36	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0266	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	240	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.06	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	13	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	343	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	84	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	19	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	55	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	289	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	4	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	11	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	16	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.7	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	229	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	25	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0267	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	31	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	4.3	
GRTE0268	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	390	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.07	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	105	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	355	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	28	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	152	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	48	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	7	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	107	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	8	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	31	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	36	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	11	
		"NIOBIUM, DISSOLVED UG/L"	2	8	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	5.8	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.4	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	481	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	6	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	29	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	15	
GRTE0269	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.7	0.2
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	8.5	0.6
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	29	1

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0270	pH	PH (STANDARD UNITS)	2	8.1	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.005
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	14	1.2
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	160	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.08	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	141	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	96	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	25	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	71	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	14	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	5	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	263	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	5	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	11	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	12	
		"NIOBIUM, DISSOLVED UG/L"	2	20	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.8	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	9.5	
"STRONTIUM, DISSOLVED (UG/L AS SR)"		2	345		
"THORIUM, DISSOLVED IN WATER UG/L"		2	5		
"TITANIUM, DISSOLVED (UG/L AS TI)"		2	2		
"URANIUM, NATURAL, DISSOLVED"	2	0.1			
"VANADIUM, DISSOLVED (UG/L AS V)"	2	5			
"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
"ZINC, DISSOLVED (UG/L AS ZN)"	2	28			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	7			
GRTE0271	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	345	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	76	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	12	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	48	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	279	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	9.9	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	15	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	10	
		"NIOBIUM, DISSOLVED UG/L"	2	9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	6.9	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	199	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	9	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
"URANIUM, NATURAL, DISSOLVED"	2	0.2			
"VANADIUM, DISSOLVED (UG/L AS V)"	2	8			
"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	17	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	4	
GRTE0272	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	828	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	96	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	110	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	58	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	7	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	10	
		"IRON, DISSOLVED (UG/L AS FE)"	2	237	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	9.9	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	47	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	22	
		"NIOBIUM, DISSOLVED UG/L"	2	6	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.7	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	10	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	277	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	6	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	53	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	3	
GRTE0273	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	295	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.2	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.02	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.8	
		PH (STANDARD UNITS)	2	7.8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.02	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	43	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	1	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	1	
		"IRON, DISSOLVED (UG/L AS FE)"	2	3	
		"LEAD, DISSOLVED (UG/L AS PB)"	2	1	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	7.6	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	1	
		"MERCURY, DISSOLVED (UG/L AS HG)"	2	0.1	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.3	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	2	1	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	6.9	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	3	
GRTE0275	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.6	0.06
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	8	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	14	1.9
	pH	PH (STANDARD UNITS)	4	8	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.009	0.0006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	4.5	0.6
GRTE0276	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	14	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	PH (STANDARD UNITS)	2	8	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.02	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
GRTE0277	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	390	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	4229	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	441	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	117	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	220	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	21	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	5	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	36	
		"IRON, DISSOLVED (UG/L AS FE)"	2	2733	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	33	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	39	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	138	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	66	
		"NIOBIUM, DISSOLVED UG/L"	2	13	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	8.9	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	92	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	1276	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	53	
	"URANIUM, NATURAL, DISSOLVED"	2	0.6		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	6		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	135		
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	10			
GRTE0279	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	102	
		BICARBONATE ION (MG/L AS HCO3)	2	124	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	211	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	38	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.05	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.2	
	pH	PH (STANDARD UNITS)	2	8.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	100	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	122	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	8.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3.5	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	40	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	33	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.9	
"SODIUM, DISSOLVED (MG/L AS NA)"		2	4.8		
"SODIUM, PERCENT"		2	9		
SODIUM ADSORPTION RATIO	2	0.2			
GRTE0280	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	26	0.6
	pH	PH (STANDARD UNITS)	2	7.8	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	16	1.7
GRTE0281	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	26	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	19	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	3367	
"BARIUM, DISSOLVED (UG/L AS BA)"		2	119		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	33	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	26	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	18	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	58	
		"IRON, DISSOLVED (UG/L AS FE)"	2	3294	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	5.6	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	188	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	52	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	4	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	6	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	106	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	10	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	37	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	10	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	4	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	356	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	4	
GRTE0282	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	15	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
GRTE0283	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	440	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.06	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	161	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	599	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	35	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	205	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	8	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	494	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	7	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	36	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	561	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	20	
		"NIOBIUM, DISSOLVED UG/L"	2	21	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	5.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	9.1	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	475	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	6	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	47	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	5	
GRTE0284	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	19	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
GRTE0287	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	150	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	54	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	51	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	11	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	39	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	77	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	6.6	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	5	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	11	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.8	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	5	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	186	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
	"URANIUM, NATURAL, DISSOLVED"	2	0.1		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	12		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	7		
GRTE0288	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	0.8	
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	1.5	
GRTE0289	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	55	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	7.8	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	20	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	6.4	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.9	
GRTE0290	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	7.3	
	pH	PH (STANDARD UNITS)	2	7.1	
GRTE0291	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	8	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.5	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1.1	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0292	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	142	1.2
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	11	0.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	9.4	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	88	2.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	17	1.7
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	25	1.2
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	6.1	0.2
GRTE0295	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	290	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.09	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	163	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	273	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	39	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	125	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	6	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	4	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	167	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	25	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	26	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	18	
		"NIOBIUM, DISSOLVED UG/L"	2	5	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	5.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	30	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	776	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.4	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	44	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0296	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.6	0.1
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	2	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	27	1.8
	pH	PH (STANDARD UNITS)	4	8.1	0.06
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.004	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	14	2.3
GRTE0297	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	133	
		BICARBONATE ION (MG/L AS HCO3)	2	162	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	272	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	5	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.02	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.1	
	pH	PH (STANDARD UNITS)	2	8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	130	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	150	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	7.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	20	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	42	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	6.9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	4.3	
		"SODIUM, PERCENT"	2	6	
		SODIUM ADSORPTION RATIO	2	0.2	
GRTE0298	Clarity/Turbidity	"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	16	212	266
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	22	147	8.1
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	28	210	121
	pH	PH (STANDARD UNITS)	22	8.1	0.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	28	8.7	5.5
GRTE0299	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	120	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	8.7	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	63	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	16	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	18	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	4.1	
GRTE0300	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	17	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	



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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0301	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.4	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	9	2.3
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9	0.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.9	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	3	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	10	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	0.9	0.1
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.2	<0.0001
	GRTE0302	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	26
pH		"PH, LAB, STANDARD UNITS SU"	2	5.2	
Phosphate/Phosphorous		"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
Toxic Elements		"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	17	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	11	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	14	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	5.4	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	3	
		"IRON, DISSOLVED (UG/L AS FE)"	2	27	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	1.1	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	25	
		"NIOBIUM, DISSOLVED UG/L"	2	17	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	1.8	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	21	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.8	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	5	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0303	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	7	112	24
		BICARBONATE ION (MG/L AS HCO3)	7	137	30
		CARBONATE ION (MG/L AS CO3)	3	ND	
	Bacteriological	"FECAL COLIFORM, MF, M-FC, 0.7 UM"	1	1	
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	3	13	15
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	4	3.5	3.8
		"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	8	185	228
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	19	185	52
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.2	0.7
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	18	176	136
		"FLOW, STREAM, MEAN DAILY CFS"	3	179	252
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	0.02	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.2	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.06	0.02
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	4	0.4	0.06
	pH	PH (STANDARD UNITS)	19	8.1	0.2
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	4	0.03	0.04
		"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.01
		"PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	4	0.01	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	7	112	22
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	118	
		"SULFATE, TOTAL (MG/L AS SO4)"	7	7.6	1.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	21	9.1	4.6
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	3	23	12	

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CALCIUM, DISSOLVED (MG/L AS CA)"	7	34	6.9
		"IRON, DISSOLVED (UG/L AS FE)"	5	22	8.4
		"IRON, TOTAL (UG/L AS FE)"	2	60	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	7	6.9	1.5
		"POTASSIUM, DISSOLVED (MG/L AS K)"	7	1.3	0.2
		"SODIUM, DISSOLVED (MG/L AS NA)"	7	4.3	0.8
		"SODIUM, PERCENT"	7	7.6	0.8
		SODIUM ADSORPTION RATIO	7	0.2	0.04
GRTE0304	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	240	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	111	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	28	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	21	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	19	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	3	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	17	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.9	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	11	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	282	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	6	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	4	
GRTE0305	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	275	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.2	
GRTE0308	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	10	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	11	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.8	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0309	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.5	<0.0001
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	8.5	0.6
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	11	4.5
	pH	PH (STANDARD UNITS)	4	8.1	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.004	0.002
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	2.3
GRTE0310	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.5	<0.0001
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	7	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	16	1.3
	pH	PH (STANDARD UNITS)	4	8.1	0.06
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	5.8
GRTE0311	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	11	0.6

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.5	0.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7	0.4
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	3.1	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7.5	0.6
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	1.2	0.1
GRTE0312		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.05	0.06
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	12	1.2
	pH	PH (STANDARD UNITS)	4	7.7	0.8
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.003
GRTE0313	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	6.9
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	17	13
	pH	PH (STANDARD UNITS)	4	8	0.5
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.004	0.002
GRTE0315	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	2.3
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	22	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.5	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	1.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	0.5	
GRTE0316		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
	Clarity/Turbidity	"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	16	167	203
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	22	152	14
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	28	191	136
	pH	PH (STANDARD UNITS)	22	8	0.3
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	28	9	2.4
GRTE0318	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	26	1.6
	pH	PH (STANDARD UNITS)	4	8	0.06
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.005	0.0006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	13	2.3
GRTE0319	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	10	
		BICARBONATE ION (MG/L AS HCO3)	2	12	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	15	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	45	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.01	
	pH	PH (STANDARD UNITS)	2	7.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	9	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	5.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	16	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	ND	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	2.8	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	0.4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.7	
	"SODIUM, DISSOLVED (MG/L AS Na)"	2	0.6		
	"SODIUM, PERCENT"	2	12		
	SODIUM ADSORPTION RATIO	2	0.1		
GRTE0321	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	31	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.6	
GRTE0322	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	15	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	11	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	1	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	1.6	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.5	
GRTE0323	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	34	25
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.7	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	52	55

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	15	10
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	5	<0.0001
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	2.6	0.8
GRTE0324		"MAGNESIUM, TOTAL (MG/L AS Mg)"	4	2.1	2
	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	1.1	0.06
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	9.5	4
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	25	1
	pH	PH (STANDARD UNITS)	4	8.4	0.5
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.001	0.001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	13	1.2
GRTE0327	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	20	4.6	5
GRTE0328	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	32	6.4
	pH	PH (STANDARD UNITS)	4	7.5	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.006	0.005
GRTE0329	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	75	
		BICARBONATE ION (MG/L AS HCO3)	2	92	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	185	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	650	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	ND	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	ND	
	pH	PH (STANDARD UNITS)	2	8.3	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	68	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	6.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	23	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	2.8	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.1	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	9.6	
		"SODIUM, PERCENT"	2	23	
		SODIUM ADSORPTION RATIO	2	0.5	
	GRTE0330	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	370
pH		"PH, LAB, STANDARD UNITS SU"	2	6.3	
Phosphate/Phosphorous		"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	
Toxic Elements		"ALUMINUM, DISSOLVED (UG/L AS Al)"	2	109	
		"BARIUM, DISSOLVED (UG/L AS Ba)"	2	273	
		"BERYLLIUM, DISSOLVED (UG/L AS Be)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	23	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	126	
		"CERIUM, DISSOLVED (UG/L AS Ce)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS Cr)"	2	4	
		"COBALT, DISSOLVED (UG/L AS Co)"	2	2	
		"COPPER, DISSOLVED (UG/L AS Cu)"	2	2	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	181	
		"LITHIUM, DISSOLVED (UG/L AS Li)"	2	7	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	25	
		"MANGANESE, DISSOLVED (UG/L AS Mn)"	2	96	
		"MOLYBDENUM, DISSOLVED (UG/L AS Mo)"	2	12	
		"NICKEL, DISSOLVED (UG/L AS Ni)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.9	
		"SCANDIUM, DISSOLVED (UG/L AS Sc)"	2	1	
		"SILVER, DISSOLVED (UG/L AS Ag)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	14	
		"STRONTIUM, DISSOLVED (UG/L AS Sr)"	2	423	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS Ti)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	7	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
	"ZINC, DISSOLVED (UG/L AS Zn)"	2	23		

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0331	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	18	6.2	4.4
GRTE0333	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.8	0.3
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	9	3.5
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	25	1.5
	pH	PH (STANDARD UNITS)	2	8.6	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	14	1.7
GRTE0334	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	29	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.2	
GRTE0335	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	24	2.9
	pH	PH (STANDARD UNITS)	4	7.9	0.1
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.005	0.006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	6.5	1.7
GRTE0336	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	14	111	17
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	14	227	46
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	14	3.7	2.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	7	36	19
	Nitrate/Nitrogen	"AMMONIA, UNIONIZED (MG/L AS N)"	5	0.03	0.04
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	12	0.3	0.3
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	10	0.4	0.2
	pH	"PH, FIELD, STANDARD UNITS SU"	14	8	0.5
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	10	0.04	0.05
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.07	0.05
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	14	16	4.2
GRTE0337	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	20	0.8	1.3
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	10	5	2.5
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	24	152	7
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	147	12
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	52	7.8	0.8
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	26	69	8.3
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	10	0.03	0.01
	pH	"PH, FIELD, STANDARD UNITS SU"	24	8.9	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	20	0.03	0.02
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	52	10	4
GRTE0338	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	14	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	10	0.06
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.5	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	7.8	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	5	<0.0001
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	3	0.06
		"MAGNESIUM, TOTAL (MG/L AS Mg)"	4	0.05	0.06
GRTE0339	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	14	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	11	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.4	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	7.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	3	
		"MAGNESIUM, TOTAL (MG/L AS Mg)"	2	ND	
GRTE0340	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	22	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
GRTE0342	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	2.2	
GRTE0343	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.05	
GRTE0345	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.1	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	397	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	107	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	20	

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	51	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	43	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	275	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	9.8	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	10	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	15	
		"NIOBIUM, DISSOLVED UG/L"	2	19	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.9	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	11	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	259	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	9	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	5	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
"ZINC, DISSOLVED (UG/L AS ZN)"	2	19			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	14			
GRTE0346	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	1	300	
		"FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR"	1	25	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	307	130
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	3	5.2	1.7
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	3	2.4	4.1
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	3	2.7	2.5
		"NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)"	2	2.7	
		PH (STANDARD UNITS)	3	7.3	0.06
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	3	1.6	2.2	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	16	1.4	
GRTE0347	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	36	1.9	1.7
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	14	4.1	1.7
	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	28	156	11
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	155	11
	Dissolved Oxygen	"OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L"	24	7.4	0.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	12	67	5.6
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	22	0.03	0.02
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	4	0.05	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	24	8.8	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	34	0.07	0.08
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	28	11	4.8	
GRTE0350	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	4	19	0.6
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.8	0.06
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	4	100	0.6
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.9	0.06
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	4	7.1	1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	6.5	2.9
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	2.4	0.2
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	0.3	<0.0001	
GRTE0351	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	4	34	1.7
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.3	0.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.6	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	4	12	2.9
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	13	1.7
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	3.8	0.1
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	0.7	0.8	
GRTE0352	Alkalinity	"ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L"	2	441	
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	4.9	
		"TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU"	2	0.3	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	47	

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.1	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, TOTAL (UG/L AS AL)"	2	7.1	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	1.1	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	1	
		"PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L"	2	0.5	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.4	
		CALCIUM (MG/L AS CaCO3)	2	6	
	IRON (UG/L AS FE)	2	15		
GRTE0353	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	7	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	8.2	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	5.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	0.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	20	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.2	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0354	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	35	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.1	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	9.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	3.9	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0355	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	8.5	0.6
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9	0.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	5.8	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	3.9	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	9.5	0.6
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	1.5	0.06
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.05	0.06
GRTE0356	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	31	1.2
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.2	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.3	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	12	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	10	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	4.4	0.1
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.3	<0.0001
GRTE0357	pH	PH (STANDARD UNITS)	2	7.1	
GRTE0358	pH	PH (STANDARD UNITS)	2	7.3	
GRTE0361	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	3	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	0.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	20	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.2	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0362	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	1	49	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	88	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	1	2410	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	ND	
	pH	PH (STANDARD UNITS)	1	7.5	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	35	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	1	62	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	ND	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	20	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	11	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	1.9	
"POTASSIUM, DISSOLVED (MG/L AS K)"		1	1.4		
"SODIUM, DISSOLVED (MG/L AS NA)"		1	1.7		

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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0363		IRON (UG/L AS FE)	1	100	
		SODIUM ADSORPTION RATIO	1	0.1	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	7	70	16
		BICARBONATE ION (MG/L AS HCO3)	7	85	20
		CARBONATE ION (MG/L AS CO3)	3	ND	
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	1	1	
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	3	7.3	7.6
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	4	2	2
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	224	185	76
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.7	0.9
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	220	638	904
		"FLOW, STREAM, MEAN DAILY CFS"	5	834	663
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	0.05	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.2	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.06	0.05
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	5	0.4	0.3
	pH	PH (STANDARD UNITS)	7	7.7	0.3
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	4	0.1	0.03
		"PHOSPHORUS, TOTAL (MG/L AS P)"	5	0.04	0.02
		"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	4	0.03	0.02
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	7	69	16
		"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	110	
		"SULFATE, TOTAL (MG/L AS SO4)"	7	6.4	2.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	224	5	4.7
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	25	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	7	20	5.2
		"IRON, DISSOLVED (UG/L AS FE)"	6	30	20
		"IRON, TOTAL (UG/L AS FE)"	1	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	7	4.3	1.4
		"POTASSIUM, DISSOLVED (MG/L AS K)"	7	1.8	0.4
		"SODIUM, DISSOLVED (MG/L AS Na)"	7	4.4	1.2
		"SODIUM, PERCENT"	7	12	1.2
		SODIUM ADSORPTION RATIO	7	0.2	0.05
GRTE0364	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	2	20	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	6.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	2.5	
"MAGNESIUM, TOTAL (MG/L AS MG)"		2	0.2		
GRTE0365	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	14	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.3	
GRTE0366	Sulfates	"SULFATE, DISSOLVED (MG/L AS SO4)"	2	6	
	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	2	24	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	3.5	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	2	48	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	24	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	7.4		
	"MAGNESIUM, TOTAL (MG/L AS MG)"	2	1.2		
GRTE0367	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	14	16	8.2
	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	14	16	5.1
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	14	3	1.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	7	30	13
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	5	0.009	0.01
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	12	0.3	0.2
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	10	0.7	0.1
	pH	"PH, FIELD, STANDARD UNITS SU"	14	7.1	0.6
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	10	0.04	0.04
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.1	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	14	15	4.4
GRTE0368	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	4	15	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.1	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	4	100	<0.0001



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Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.9	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	7.2	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	11	0.6
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	2.4	0.1
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.3	<0.0001
GRTE0369	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	180	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.2	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	71	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	32	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	30	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	4	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	11	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	13	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	5	
		"NIOBIUM, DISSOLVED UG/L"	2	18	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	17	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	268	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	4		
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
GRTE0370	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	92	6.9
		BICARBONATE ION (MG/L AS HCO3)	4	113	8.7
		CARBONATE ION (MG/L AS CO3)	4	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	192	20
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	28	12
Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.02		
	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.1		
	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	ND		
pH	PH (STANDARD UNITS)	4	8	0.3	
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	88	8.7	
	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	116		
	"SULFATE, TOTAL (MG/L AS SO4)"	4	5.6	0.7	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	6.9	
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	30	12	
	"CALCIUM, DISSOLVED (MG/L AS Ca)"	4	31	5.2	
	"IRON, DISSOLVED (UG/L AS FE)"	4	25	5.8	
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	2.7	1	
	"POTASSIUM, DISSOLVED (MG/L AS K)"	4	0.7	0.06	
	"SODIUM, DISSOLVED (MG/L AS Na)"	4	5.2	0.9	
	"SODIUM, PERCENT"	4	12	0.6	
	SODIUM ADSORPTION RATIO	4	0.3	0.06	
	GRTE0371	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12	0.7
Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	6	<0.0001	
Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	22	177	4.6	
Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	22	9.7	0.1	
	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	11	77	2.7	
Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.02	<0.0001	
pH	"PH, FIELD, STANDARD UNITS SU"	22	8.6	0.1	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
GRTE0372	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	12	0.03	0.01	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	22	5.9	1.3	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	6	51	0.1	
	pH	"PH, FIELD, STANDARD UNITS SU"	6	8.2	0.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)" "SULFATE, DISSOLVED (MG/L AS SO4)"	6	46	1.9	
GRTE0373	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	28	62	4.1	
		CARBONATE ION (MG/L AS CO3)	28	ND		
	Bacteriological	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	12	21	30	
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	28	1	1	
	Chlorophyll	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10	1.1	0.5	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	32	1.9	1.3	
		"TRANSPARENCY, SECCHI DISC (METERS)"	10	6.2	1.7	
		"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	32	1.6	0.9	
	Conductivity	"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	98	162	12	
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	28	146	7.3	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	102	7.6	0.6	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	62	79	15	
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	20	0.0003	0.0003	
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	34	0.02	0.01	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.02	0.02	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	42	0.02	0.02	
	pH	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	8	0.1	0.04	
		"PH, LAB, STANDARD UNITS SU"	28	7.5	0.3	
		PH (STANDARD UNITS)	104	7.8	0.4	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	42	0.004	0.005	
		"PHOSPHORUS, TOTAL (MG/L AS P)"	42	0.02	0.03	
	Sulfates	"SULFATE, DISSOLVED (MG/L AS SO4)"	28	11	1.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	102	12	4.3	
	Toxic Elements	"ARSENIC, TOTAL (UG/L AS AS)"	8	12	1.2	
		"BORON, DISSOLVED (UG/L AS B)"	28	101	37	
		"CADMIUM, TOTAL (UG/L AS CD)"	8	2	<0.0001	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	28	14	1	
		"CHROMIUM, TOTAL (UG/L AS CR)"	8	2.8	0.9	
		"COPPER, TOTAL (UG/L AS CU)"	8	2	<0.0001	
		"IRON, TOTAL (UG/L AS FE)"	8	45	5.3	
		"LEAD, TOTAL (UG/L AS PB)"	8	2	<0.0001	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	28	2.9	0.3	
		"MANGANESE, TOTAL (UG/L AS MN)"	8	5	<0.0001	
		"MERCURY, TOTAL (UG/L AS HG)"	8	0.2	<0.0001	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	28	1.8	0.3	
		"SELENIUM, TOTAL (UG/L AS SE)"	8	2	<0.0001	
		"SODIUM, DISSOLVED (MG/L AS Na)"	28	10	1.2	
		"ZINC, TOTAL (UG/L AS ZN)"	8	4.5	4.6	
		SODIUM ADSORPTION RATIO	8	0.7	0.08	
	GRTE0374	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	20	17	26
			"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	20	4.3	8.2
		Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	20	160	22
		pH	"PH, LAB, STANDARD UNITS SU"	20	7.3	0.2
		Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	20	0.03	0.03
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	20	9.5	4.9	
GRTE0375	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	3.3		
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	1	34		
	pH	PH (STANDARD UNITS)	2	7.5		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17			
GRTE0376	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	8	ND		
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.9	0.2	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	72		
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	10	0.007	0.004	
		"NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)"	2	ND		
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	8	0.07	0.05	
	pH	PH (STANDARD UNITS)	12	7.9	0.2	
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	10	0.03	0.01	
	Sulfates	"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	4	110	4.6	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	6.5	1.7		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	4	10	0.9
		"COPPER, DISSOLVED (UG/L AS CU)"	4	ND	
		"IRON, DISSOLVED (UG/L AS FE)"	4	18	2.9
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	8.1	0.6
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	7.9	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	13	1.2
		"SODIUM, PERCENT"	4	32	0.2
		SODIUM ADSORPTION RATIO	4	0.7	0.05
GRTE0377	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	ND	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.8	0.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	2	71	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	4	0.004	0.005
	pH	"PH (STANDARD UNITS)"	4	8.1	0.06
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	4	0.03	0.02
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	4	118	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	6.5	1.7
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	4	10	0.9
		"COPPER, DISSOLVED (UG/L AS CU)"	4	ND	
		"IRON, DISSOLVED (UG/L AS FE)"	4	8	9.2
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		4	8.1	0.6	
"POTASSIUM, DISSOLVED (MG/L AS K)"		4	4.7	3.7	
"SODIUM, DISSOLVED (MG/L AS NA)"		4	15	0.9	
"SODIUM, PERCENT"		4	35	1.2	
SODIUM ADSORPTION RATIO		4	0.8	0.05	
GRTE0378	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	1.8	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.07	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
GRTE0379	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	1755	1839
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.2	0.1
GRTE0380	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	220	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.5	
GRTE0381	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	77	
		BICARBONATE ION (MG/L AS HCO3)	3	85	20
		CARBONATE ION (MG/L AS CO3)	3	ND	
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	1	3	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	262	188	51
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	270	452	575
		"FLOW, STREAM, MEAN DAILY CFS"	7	468	639
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	ND	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	3	0.07	0.1
	pH	"PH (STANDARD UNITS)"	3	8	0.2
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	3	69	20
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	3	96	17
		"SULFATE, TOTAL (MG/L AS SO4)"	3	5.3	5
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	269	6.1	4.7
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	3	17	5.8
		"CALCIUM, DISSOLVED (MG/L AS CA)"	3	22	5.9
		"IRON, DISSOLVED (UG/L AS FE)"	1	20	
		"IRON, TOTAL (UG/L AS FE)"	1	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	3	3.4	1.7
		"POTASSIUM, DISSOLVED (MG/L AS K)"	3	1	0.2
"SODIUM, DISSOLVED (MG/L AS NA)"		3	3	1.2	
"SODIUM, PERCENT"		2	8.5		
IRON (UG/L AS FE)		1	70		
LEAD IN 1.0MM FRACTION OF STREET DEBRIS UG/G		1	27		
SODIUM ADSORPTION RATIO		3	0.1	0.06	
GRTE0382	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	49	
"BERYLLIUM, DISSOLVED (UG/L AS BE)"		2	1		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"BORON, DISSOLVED (UG/L AS B)"	2	14	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	36	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	8.5	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	8	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.9	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	182	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.9	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	4	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0383	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	12	54	1.7
	pH	"PH, FIELD, STANDARD UNITS SU"	6	8.2	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	12	48	1.2
		"SULFATE, DISSOLVED (MG/L AS SO4)"	6	9.2	0.8
GRTE0384	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	8	67	4.4
		CARBONATE ION (MG/L AS CO3)	8	ND	
	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	8	1.5	0.5
	Chlorophyll	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	4	0.7	0.2
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	82	44	155
		"TRANSPARENCY, SECCHI DISC (METERS)"	4	6.7	2
		"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	82	3.6	11
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	50	147	7
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	74	149	12
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	50	7	0.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	25	63	6.4
	Nitrate/Nitrogen	"AMMONIA, UNIONIZED (MG/L AS N)"	4	0.0001	<0.0001
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.02	0.02
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	8	0.01	<0.0001
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	8	0.07	0.005
	pH	"PH, LAB, STANDARD UNITS SU"	78	7.5	0.3
		PH (STANDARD UNITS)	50	7.4	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	8	0.009	0.005
		"PHOSPHORUS, TOTAL (MG/L AS P)"	82	0.04	0.1
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	36	103	3.8
		"SULFATE, DISSOLVED (MG/L AS SO4)"	8	10	1.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	124	11	4.8
	Toxic Elements	"ARSENIC, DISSOLVED (UG/L AS AS)"	2	18	
		"ARSENIC, TOTAL (UG/L AS AS)"	8	11	4.2
		"BORON, DISSOLVED (UG/L AS B)"	8	68	19
		"CADMIUM, TOTAL (UG/L AS CD)"	8	1	<0.0001
		"CALCIUM, DISSOLVED (MG/L AS CA)"	8	15	0.8
		"CHROMIUM, TOTAL (UG/L AS CR)"	8	2	<0.0001
		"COPPER, TOTAL (UG/L AS CU)"	8	2	<0.0001
		"IRON, TOTAL (UG/L AS FE)"	8	45	22
		"LEAD, TOTAL (UG/L AS PB)"	8	2	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	8	3	0.1
		"MANGANESE, TOTAL (UG/L AS MN)"	8	13	4.6
		"MERCURY, TOTAL (UG/L AS HG)"	8	0.2	<0.0001
		"POTASSIUM, DISSOLVED (MG/L AS K)"	8	1.8	0.2
		"SELENIUM, TOTAL (UG/L AS SE)"	8	2	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"SODIUM, DISSOLVED (MG/L AS NA)"	8	11	1.6
		"ZINC, TOTAL (UG/L AS ZN)"	8	8.8	6.9
		SODIUM ADSORPTION RATIO	8	0.7	0.09
GRTE0385	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	44	5.6	4.6
		"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	44	1.6	0.8
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	44	153	9.3
	pH	"PH, LAB, STANDARD UNITS SU"	44	7.7	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	44	0.05	0.1
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	32	104	2.5
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	44	12	4.1
GRTE0386	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	6	2924	432
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.05	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	8	0.04	0.03
GRTE0387	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	20	0.9	0.5
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	8	4.5	1.6
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	16	149	11
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	148	13
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	22	7.8	0.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	11	75	6.5
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	12	0.06	0.07
	pH	"PH, FIELD, STANDARD UNITS SU"	12	9.2	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	20	0.01	0.009
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	26	13	4.2
	GRTE0388	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	5	53
BICARBONATE ION (MG/L AS HCO3)			5	64	4.3
CARBONATE ION (MG/L AS CO3)			5	ND	
Conductivity		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	213	319	1548
Flow		"FLOW, STREAM, INSTANTANEOUS CFS"	214	1434	1607
		"FLOW, STREAM, MEAN DAILY CFS"	8	1584	1217
Nitrate/Nitrogen		"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.1	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	4	0.3	0.5
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.01	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	1	0.1	
pH		PH (STANDARD UNITS)	5	7.7	0.3
Phosphate/Phosphorous		"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
Sulfates		"HARDNESS, TOTAL (MG/L AS CACO3)"	5	48	2.6
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	3	94	13
		"SULFATE, TOTAL (MG/L AS SO4)"	5	10	3
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	215	7.8	5.5
Toxic Elements		"BORON, DISSOLVED (UG/L AS B)"	2	60	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	5	16	1.8
		"IRON, DISSOLVED (UG/L AS FE)"	2	15	
		"IRON, TOTAL (UG/L AS FE)"	1	ND	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	5	1.9	0.9
		"POTASSIUM, DISSOLVED (MG/L AS K)"	5	2	0.1
		"SODIUM, DISSOLVED (MG/L AS NA)"	5	11	1.8
		"SODIUM, PERCENT"	5	31	2.8
		IRON (UG/L AS FE)	1	20	
		SODIUM ADSORPTION RATIO	5	0.6	0.09
		GRTE0389	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	4
BICARBONATE ION (MG/L AS HCO3)	4			115	4
CARBONATE ION (MG/L AS CO3)	4			ND	
Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		4	193	8.7
Flow	"FLOW, STREAM, MEAN DAILY CFS"		4	22	6.4
Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"		2	0.02	
	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"		2	0.1	
	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"		2	ND	
pH	PH (STANDARD UNITS)		4	7.6	0.5
Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"		4	91	4
	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"		2	122	
	"SULFATE, TOTAL (MG/L AS SO4)"		4	6.8	0.2
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		4	8	4.6
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"		4	15	5.8
	"CALCIUM, DISSOLVED (MG/L AS CA)"		4	30	2.9
	"IRON, DISSOLVED (UG/L AS FE)"	4	105	5.8	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
GRTE0390		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	4.2	0.7	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	1.3	0.1	
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	5	0.8	
		"SODIUM, PERCENT"	4	11	1.7	
	Alkalinity	SODIUM ADSORPTION RATIO	4	0.3	0.06	
		BICARBONATE ION (MG/L AS HCO3)	18	64	3.5	
	Bacteriological	CARBONATE ION (MG/L AS CO3)	18	ND		
		"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	6	35	32	
	Clarity/Turbidity	"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	18	2.1	3.7	
		"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	94	11	18	
	Conductivity	"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	94	2.1	3.1	
		"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	20	142	14	
	Dissolved Oxygen	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	88	151	12	
		"OXYGEN, DISSOLVED MG/L"	22	8.2	0.8	
	Flow	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	14	89	11	
		"FLOW, STREAM, INSTANTANEOUS CFS"	16	2469	1231	
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	10	0.0002	0.0003	
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	16	0.03	0.03	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.01	<0.0001	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	24	0.008	0.004	
	pH	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	8	0.1	0.02	
		"PH, LAB, STANDARD UNITS SU"	90	7.5	0.3	
	Phosphate/Phosphorous	PH (STANDARD UNITS)	18	7.7	0.5	
		"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	24	0.006	0.007	
	Sulfates	"PHOSPHORUS, TOTAL (MG/L AS P)"	98	0.05	0.07	
		"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	36	105	2.3	
	Temperature	"SULFATE, DISSOLVED (MG/L AS SO4)"	18	10	1.1	
		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	96	11	4.5	
	Toxic Elements	"ARSENIC, TOTAL (UG/L AS AS)"	8	11	1.2	
		"BORON, DISSOLVED (UG/L AS B)"	18	91	43	
		"CADMIUM, TOTAL (UG/L AS CD)"	8	1.5	0.5	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	18	14	0.9	
		"CHROMIUM, TOTAL (UG/L AS CR)"	8	2.3	0.5	
		"COPPER, TOTAL (UG/L AS CU)"	8	2	<0.0001	
		"IRON, TOTAL (UG/L AS FE)"	8	43	16	
		"LEAD, TOTAL (UG/L AS PB)"	8	2	<0.0001	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	18	3	0.3	
		"MANGANESE, TOTAL (UG/L AS MN)"	8	8.8	2.3	
		"MERCURY, TOTAL (UG/L AS HG)"	8	0.2	<0.0001	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	18	1.8	0.2	
		"SELENIUM, TOTAL (UG/L AS SE)"	8	2	<0.0001	
		"SODIUM, DISSOLVED (MG/L AS NA)"	18	10	0.9	
		"ZINC, TOTAL (UG/L AS ZN)"	8	4	1.3	
			SODIUM ADSORPTION RATIO	8	0.7	0.05
		GRTE0391	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	8	31
	Conductivity		"SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)"	8	25	12
	Dissolved Oxygen		"OXYGEN, DISSOLVED MG/L"	8	3.2	2.4
"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"			4	30	23	
Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"		4	0.009	0.009	
	"NITRATE NITROGEN, TOTAL (MG/L AS N)"		8	0.9	0.2	
pH	"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"		8	1.1	0.4	
	"PH, FIELD, STANDARD UNITS SU"		8	7.4	0.4	
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	8	0.3	0.2		
	"PHOSPHORUS, TOTAL (MG/L AS P)"	8	0.5	0.3		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	8	14	3.4		
GRTE0392	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	10	8.6	1.1	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	5	77	4.2	
	pH	PH (STANDARD UNITS)	12	8.1	0.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	12	5.8	
"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"		12	54	9.9		
GRTE0393	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND		
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	6.2		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	20		
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	20	0.08	0.03	
	pH	PH (STANDARD UNITS)	18	6.6	0.3	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD		
GRTE0394	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	22	0.003	0.003		
	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND			
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	10			
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.9			
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	12			
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	4			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	5			
"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"		2	41				
GRTE0395	Clarity/Turbidity	"TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU"	4	0.3	0.2		
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	0.3	0.05		
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	0.1	0.02		
	pH	"PH, FIELD, STANDARD UNITS SU"	28	6.6	0.3		
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	26	0.002	0.002		
"PHOSPHATE, TOTAL (MG/L AS PO4)"		30	0.01	0.002			
GRTE0396	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	30			
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.7			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4			
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.9			
GRTE0397	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12	1.8	1.7		
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	6	3.7	1		
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	30	139	7.3		
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	134	7.1		
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	30	8	0.5		
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	15	69	4.7		
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	12	0.02	0.004		
	pH	"PH, FIELD, STANDARD UNITS SU"	30	9.7	0.4		
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	12	0.02	0.01		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	30	9.9	5.7		
GRTE0398	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270			
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	13			
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	479			
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	150			
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1			
		"BORON, DISSOLVED (UG/L AS B)"	2	18			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	61			
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30			
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4			
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2			
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2			
		"IRON, DISSOLVED (UG/L AS FE)"	2	306			
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	5			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12			
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	18			
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4			
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	11			
		"NIOBIUM, DISSOLVED UG/L"	2	4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.6			
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	16			
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	352			
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5			
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	5			
		"URANIUM, NATURAL, DISSOLVED"	2	0.7			
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	18			
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
		GRTE0399	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	10	
				"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	138	
			pH	"PH, FIELD, STANDARD UNITS SU"	2	8.4	
			Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	90	
				"SULFATE, DISSOLVED (MG/L AS SO4)"	2	2	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0400	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	10	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	82	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	80	
"SULFATE, DISSOLVED (MG/L AS SO4)"		2	2		
GRTE0401	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	19	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.1	
GRTE0402	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	230	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
GRTE0404	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	80	
		BICARBONATE ION (MG/L AS HCO3)	2	98	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	160	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	ND	
	pH	PH (STANDARD UNITS)	2	8.7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	70	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	19	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	40	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	20	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	5	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.1	
"SODIUM, DISSOLVED (MG/L AS Na)"		2	8.9		
"SODIUM, PERCENT"		2	21		
SODIUM ADSORPTION RATIO	2	0.5			
GRTE0405	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	160	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	8.8	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	85	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	23	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	24	
"MAGNESIUM, TOTAL (MG/L AS MG)"		2	5.8		
GRTE0406	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.8	0.3
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	165	1.6
	pH	PH (STANDARD UNITS)	4	9.5	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.002
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	20	2.3
GRTE0407	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	267	7.3
	pH	PH (STANDARD UNITS)	4	7.7	0.1
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.03	0.01
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7	1.2
GRTE0408	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	11	1.7
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	7.7	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	91	2.9
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	2.9	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	0.9	0.1
"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.2	0.06		
GRTE0413	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	ND	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	8	0.01	0.004
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	8	0.1	0.02
	pH	PH (STANDARD UNITS)	8	7.8	0.07
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	8	0.03	0.01
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	19		
GRTE0414	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	2.3	1.6
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	4.3	0.9
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	170	2.3
	pH	PH (STANDARD UNITS)	4	8.7	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.03	0.001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	16	2.3



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0415	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	9	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	22	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	20	0.1	0.04
	pH	PH (STANDARD UNITS)	18	6.6	0.3
GRTE0416	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	14	0.01	0.02
		Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	10	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	10	
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	2	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	4.4		
	"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	2	40		
GRTE0417	Clarity/Turbidity	"TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU"	4	0.4	0.01
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	0.3	0.05
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	0.1	0.02
	pH	"PH, FIELD, STANDARD UNITS SU"	28	6.7	0.3
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.009	0.005
"PHOSPHATE, TOTAL (MG/L AS PO4)"		30	0.03	0.01	
GRTE0418	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.05	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.4	
GRTE0419	Bacteriological	"FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)"	4	62	56
		RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	4	6.3	3.4
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	6	0.02	<0.0001
Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.09	<0.0001	
GRTE0420	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	2.1	1.1
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	3	1.2
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	171	1.4
	pH	PH (STANDARD UNITS)	4	8.8	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.02	0.001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	18	1.7
GRTE0421	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	8	4.9	0.9
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	8	2	<0.0001
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.02	<0.0001
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	8	0.03	0.03
GRTE0422	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.02	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.1	
GRTE0423	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7.5	
GRTE0424	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	3.6	
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	1	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	2	0.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.06	
GRTE0425	pH	PH (STANDARD UNITS)	2	8.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
GRTE0426	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	17	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	11	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	1	126	
	pH	PH (STANDARD UNITS)	2	8.3	
GRTE0427	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	23	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	12	
	pH	PH (STANDARD UNITS)	2	8.5	
GRTE0428	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	20	1.4
	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	6	4	3.6
		Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	6	5.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	3	50	41
	pH	PH (STANDARD UNITS)	6	7.8	0.8
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	12	6.8	
GRTE0429	pH	PH (STANDARD UNITS)	2	8.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
GRTE0430	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	47	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	4.9	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	67	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.6	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	13	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	16	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	5.2	
GRTE0432		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
GRTE0433	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.01	
GRTE0434	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.7	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	930	
GRTE0435	pH	"PH, FIELD, STANDARD UNITS SU"	2	9.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	28	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.02	
GRTE0436	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.03	
	Bacteriological	"COLIFORM, TOT, MPN, COMPLETED TEST, 35C (TUBE 31508)"	4	1850	1328
		"FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)"	6	217	130
		RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	2	17	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12	269	69
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	2	<0.0001
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	6	0.02	<0.0001
	pH	PH (STANDARD UNITS)	8	7.7	0.1
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	22	0.04	0.04
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	12	16	4
GRTE0437	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	270	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	24	
GRTE0438	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	41	
		BICARBONATE ION (MG/L AS HCO3)	2	50	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	100	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	2	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.04	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	2	0.5	
	pH	PH (STANDARD UNITS)	2	7.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.03	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	38	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	1.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	11	
		"IRON, DISSOLVED (UG/L AS FE)"	2	250	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	2.5	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.9	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	4.9	
"SODIUM, PERCENT"		2	22		
SODIUM ADSORPTION RATIO		2	0.3		
GRTE0439	Bacteriological	"COLIFORM, TOT, MPN, COMPLETED TEST, 35C (TUBE 31508)"	6	900	1163
		"FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)"	10	75	84
		RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	4	18	14
	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12	3.1	1.1
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	12	1.5	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12	167	26
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.02	<0.0001
	pH	PH (STANDARD UNITS)	8	7.8	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	14	0.03	0.02
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	12	16	3.1
GRTE0440	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.008	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	1.5	
GRTE0441	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	285	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.5	
GRTE0442	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	1.9	0.6
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	0.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.06	0.02
GRTE0443	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	8	3.4	1.7
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	8	2	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	2	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.02	<0.0001
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.06	0.05
GRTE0444	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	147	54
	pH	PH (STANDARD UNITS)	4	7.8	0.8
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	0.0006
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	14	2.3
GRTE0445	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.01	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	6.1	
GRTE0446	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	18	1.9	1.8
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	8	3.8	1.4
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	14	154	15
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	150	15
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	24	8.5	1.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	12	81	6.4
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	16	0.02	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	10	9.2	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	16	0.01	0.007
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	28	13	3.6
GRTE0447	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	10	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	10	0.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.8	0.3
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	3.5	0.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	1.5	0.6
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	1.4	0.06
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	ND	
GRTE0449	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	9	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.6	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.3	
GRTE0450	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	9	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	3.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.2	
GRTE0451	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	16	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.8	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1.6	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0453	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	205	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	99	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	29	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	6.5	
GRTE0454	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	21	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.4	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	0.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	ND	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.1	
GRTE0455	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	10	1.2
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.8	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.8	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	4.4	0.7
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	10	1.2

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0457	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	3.1	2
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	280	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
GRTE0458	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.3	
	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	8	ND	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.4	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	1	66	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	8	0.1	0.1
		"NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)"	4	ND	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	4	ND	
	pH	PH (STANDARD UNITS)	8	8.1	0.09
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	6	0.01	0.02
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	8	102	10
		"SULFATE, TOTAL (MG/L AS SO4)"	8	9.1	3.8
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	1	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	153	8.7
		"CALCIUM, DISSOLVED (MG/L AS CA)"	8	13	4.3
		"COPPER, DISSOLVED (UG/L AS CU)"	8	3	1.1
		"IRON, DISSOLVED (UG/L AS FE)"	4	40	23
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	8	5.6	6.6
"MANGANESE, DISSOLVED (UG/L AS MN)"		8	29	25	
"MOLYBDENUM, DISSOLVED (UG/L AS MO)"		8	14	15	
"POTASSIUM, DISSOLVED (MG/L AS K)"		4	3	<0.0001	
"SODIUM, DISSOLVED (MG/L AS NA)"		8	10	3.2	
"SODIUM, PERCENT"		8	30	11	
"ZINC, DISSOLVED (UG/L AS ZN)"		4	5.5	0.6	
SODIUM ADSORPTION RATIO		8	0.6	0.3	
GRTE0459		Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	11
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
GRTE0460	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	22	9.2
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8	1.2
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.4	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	5	1.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7	2.3
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	4	3.4	2.6
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	0.4	0.06	
GRTE0461	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	10	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.5	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	1	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1	
"MAGNESIUM, TOTAL (MG/L AS MG)"		2	0.4		
GRTE0463	Bacteriological	"COLIFORM, TOT, MPN, COMPLETED TEST, 35C (TUBE 31508)"	2	1700	
		"FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)"	2	100	
	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	20	3.7	4.9
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	20	1.5	0.3
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12	61	11
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	6	0.02	<0.0001
	pH	PH (STANDARD UNITS)	10	7.8	0.7
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	20	0.03	0.008
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	12	18	4.8
	GRTE0464	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	6	11
Nitrate/Nitrogen		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	6	0.02	<0.0001
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.05	
Phosphate/Phosphorous		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.04	0.02
GRTE0465	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	53	14
	pH	PH (STANDARD UNITS)	2	7.6	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.02	0.002
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	17	2.4
GRTE0466	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	13	2.3
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.9	0.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.1	0.4

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	4.1	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	9	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	2.7	1.6
GRTE0467	Alkalinity	"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.3	0.1
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	78	
		BICARBONATE ION (MG/L AS HCO3)	2	81	
	Conductivity	CARBONATE ION (MG/L AS CO3)	2	7	
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	140	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
	pH	PH (STANDARD UNITS)	2	8.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	68	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	4.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	20	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	21	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	3.7	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.2	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	5.4	
		"SODIUM, PERCENT"	2	14	
SODIUM ADSORPTION RATIO		2	0.3		
GRTE0468	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	513	563
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.3	0.2
GRTE0469	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	14	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	4.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	1.9	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0470	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0471	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	13	2.9
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.9	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	97	3.5
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.9	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	22	19
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	3	1.2
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	3.8	2.5
"MAGNESIUM, TOTAL (MG/L AS MG)"		4	17	19	
GRTE0472	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	18	8.1	6.4
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	18	2.7	0.8
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	180	2.2
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	10	0.02	<0.0001
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.05	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	2	0.05	
	pH	PH (STANDARD UNITS)	6	8.8	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	18	0.03	0.02
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	15	2.7	
GRTE0474	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	16	0.4	0.4
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	8	4.1	1.9
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	28	154	8.3
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	157	13
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	62	8	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	31	70	6.3
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	16	0.04	0.02
	pH	"PH, FIELD, STANDARD UNITS SU"	24	8.9	0.4
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	16	0.01	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	66	9.4	3.8
GRTE0475	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	239	89
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	4.5	4
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	6	0.02	<0.0001
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.05	
	pH	PH (STANDARD UNITS)	4	8.2	0.4

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0476	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	14	0.06	0.04
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	14	0.6
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	12	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	9.6	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	1.1	
"MAGNESIUM, TOTAL (MG/L AS MG)"		2	ND		
GRTE0477	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	280	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.1	
GRTE0478	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	12	54	2.5
	pH	"PH, FIELD, STANDARD UNITS SU"	6	8.2	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	12	48	1.2
		"SULFATE, DISSOLVED (MG/L AS SO4)"	6	11	0.5
GRTE0479	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	10	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	1.1	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	ND	
GRTE0481	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	213	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0483	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	32	21
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	6.3	5
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	62	44
	pH	"PH, FIELD, STANDARD UNITS SU"	4	7.4	0.06
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	16	13
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	3.5	1.7
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	6.3	5.1
		"MAGNESIUM, TOTAL (MG/L AS MG)"	4	0.2	0.2
GRTE0484	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	42	42
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	2	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.02	<0.0001
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	4	2	0.7
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.2	0.03
GRTE0485	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	17	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	37	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	20	0.1	0.04
	pH	PH (STANDARD UNITS)	18	6.9	0.4
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	22	0.006	0.006
GRTE0486	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	27	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.1	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	1028	
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	ND	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	3.3	
		"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	2	38	
	Toxic Elements	"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	ND	
	GRTE0487	Clarity/Turbidity	"TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU"	4	0.4
Nitrate/Nitrogen		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	0.4	0.09
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	0.2	0.04
pH		"PH, FIELD, STANDARD UNITS SU"	28	6.8	0.3
Phosphate/Phosphorous		"PHOSPHATE, ORTHO (MG/L AS PO4)"	26	0.006	0.005
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	28	0.02	0.007
GRTE0488	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	2	<0.0001
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	2	0.02	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.1	0.03

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0489	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	55	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
GRTE0490	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	5	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.05	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.06	0.02
GRTE0491	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	14	8.8	5.9
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	14	2.6	0.9
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	180	3.6
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.02	<0.0001
	pH	PH (STANDARD UNITS)	6	8.9	0.1
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	14	0.03	0.02
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	15	2.7
GRTE0492	Flow	"FLOW, STREAM, MEAN DAILY CFS"	12	19	9.9
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	12	10	5.9
GRTE0493	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	6	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	1	41	
	pH	PH (STANDARD UNITS)	2	7.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
GRTE0494	pH	PH (STANDARD UNITS)	2	8.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
GRTE0495	pH	PH (STANDARD UNITS)	2	8.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
GRTE0496	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	4	11	1.7
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	9.5	0.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	100	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	4	6.5	0.06
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	3.8	0.2
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7.5	1.7
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	4	1.4	0.06
	"MAGNESIUM, TOTAL (MG/L AS Mg)"	4	0.05	0.06	
GRTE0497	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	99	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	215	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	14	0.03	0.04
	pH	PH (STANDARD UNITS)	14	7	0.5
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	14	0.02	0.03
GRTE0498	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	0.1	0.03
	pH	"PH, FIELD, STANDARD UNITS SU"	12	6.7	0.09
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	10	0.02	0.007
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	12	0.03	0.006
GRTE0499	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	9	93	12
		BICARBONATE ION (MG/L AS HCO3)	9	113	14
		CARBONATE ION (MG/L AS CO3)	9	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	180	24
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	9	79	160
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	ND	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	6	0.05	0.08
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	3	0.007	0.01
	pH	PH (STANDARD UNITS)	9	7.8	0.5
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	9	88	10
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	6	109	18
		"SULFATE, TOTAL (MG/L AS SO4)"	9	5.8	1.3
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	9	10	6
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	9	4.5	5.3
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	9	27	3.1
		"IRON, DISSOLVED (UG/L AS Fe)"	2	20	
		"IRON, TOTAL (UG/L AS Fe)"	6	20	19
"MAGNESIUM, DISSOLVED (MG/L AS Mg)"		9	8.6	9.9	
"POTASSIUM, DISSOLVED (MG/L AS K)"		9	0.7	0.2	
"SODIUM, DISSOLVED (MG/L AS Na)"		9	4.4	1.1	
	"SODIUM, PERCENT"	9	8.9	2.8	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		SODIUM ADSORPTION RATIO	9	0.2	0.05
GRTE0500	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.8	
GRTE0501	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	1	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.1	
GRTE0502	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	0.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.1	
GRTE0503	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	180	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0504	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	12	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
GRTE0505	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	215	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0506	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	45	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0507	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	10	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	27	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	20	0.09	0.06
	pH	PH (STANDARD UNITS)	18	6.8	0.4
GRTE0508	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	22	0.004	0.005
		"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	22	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.1	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	22	
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	2.8	
		"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	2	37	
	Toxic Elements	"COPPER, DISSOLVED (UG/L AS CU)"	2	ND	
"IRON, DISSOLVED (UG/L AS FE)"		2	ND		
"MANGANESE, DISSOLVED (UG/L AS MN)"		2	ND		
GRTE0509	Clarity/Turbidity	"TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU"	4	0.3	0.07
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	0.3	<0.0001
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	0.1	0.06
	pH	"PH, FIELD, STANDARD UNITS SU"	28	6.7	0.3
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.004	0.003
"PHOSPHATE, TOTAL (MG/L AS PO4)"		30	0.007	0.003	
GRTE0510	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0511	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	8	20	6.5
		"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	8	28	4.6
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	3	0.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	29	8.2
	Nitrate/Nitrogen	"AMMONIA, UNIONIZED (MG/L AS N)"	2	0.03	
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	0.2	0.07
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	4	1.1	0.5
	pH	"PH, FIELD, STANDARD UNITS SU"	8	6.9	0.8
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	4	0.02	0.008
		"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.03	0.02
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	8	16	2.5	
GRTE0512	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	36	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	5.1	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	68	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	16	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0513	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	4.4	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	1.1	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	108	4.6
		BICARBONATE ION (MG/L AS HCO3)	4	132	5.2
		CARBONATE ION (MG/L AS CO3)	4	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	211	9.2
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	28	3.5
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	4	0.05	0.06
	pH	PH (STANDARD UNITS)	4	7.9	0.3
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	103	4
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	4	120	6.9
		"SULFATE, TOTAL (MG/L AS SO4)"	4	5.6	0.5
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	13	5.2
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	5	5.8
		"CALCIUM, DISSOLVED (MG/L AS CA)"	4	32	0.6
		"IRON, TOTAL (UG/L AS FE)"	4	50	12
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	5.8	0.6
"POTASSIUM, DISSOLVED (MG/L AS K)"		4	0.8	0.3	
"SODIUM, DISSOLVED (MG/L AS NA)"		4	4.8	0.2	
"SODIUM, PERCENT"		4	9	<0.0001	
SODIUM ADSORPTION RATIO		4	0.2	<0.0001	
GRTE0516	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.9	0.1
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	4.5	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	18	146	5.1
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	18	7.2	0.03
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	9	69	5.1
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.02	<0.0001
	pH	"PH, FIELD, STANDARD UNITS SU"	18	9	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	18	14	3.3
	GRTE0518	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	12	25
Dissolved Oxygen		"OXYGEN, DISSOLVED MG/L"	12	5.8	1.8
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	12	78	22
pH		"PH, FIELD, STANDARD UNITS SU"	12	6.2	0.4
Sulfates		"HARDNESS, TOTAL (MG/L AS CaCO3)"	12	11	2.2
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	12	16	5.5
Toxic Elements		"CALCIUM, TOTAL (MG/L AS CA)"	12	3.2	0.6
	"MAGNESIUM, TOTAL (MG/L AS MG)"	12	0.7	0.3	
GRTE0519	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	2.4	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.3	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
GRTE0520	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	215	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0521	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	170	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.07	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.03	
	pH	"PH, LAB, STANDARD UNITS SU"	2	8.1	
		PH (STANDARD UNITS)	2	8.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.03	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	2.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	20	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	2	4	
		"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	27	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	1	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	1	
"IRON, DISSOLVED (UG/L AS FE)"		2	7		
"LEAD, DISSOLVED (UG/L AS PB)"		2	1		
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		2	4.8		
"MANGANESE, DISSOLVED (UG/L AS MN)"	2	6			
"MERCURY, DISSOLVED (UG/L AS HG)"	2	0.1			
"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.2			

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"SELENIUM, DISSOLVED (UG/L AS SE)"	2	1	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	3	
GRTE0522	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	18	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	43	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	20	0.1	0.04
	pH	PH (STANDARD UNITS)	18	6.9	0.6
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	14	0.006	0.005
GRTE0523	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	35	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.1	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.3	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	40	
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	2.2	
		"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	2	36	
	Toxic Elements	"COPPER, DISSOLVED (UG/L AS CU)"	2	ND	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	ND	
GRTE0524	Clarity/Turbidity	"TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU"	4	0.3	0.07
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	6	0.3	<0.0001
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	0.2	0.04
	pH	"PH, FIELD, STANDARD UNITS SU"	28	6.8	0.2
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.003	0.003
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	28	0.03	0.01
GRTE0525	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	80	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
GRTE0526	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	550	
		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0527	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	220	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0528	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	0.8	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.08	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
GRTE0530	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	160	
		BICARBONATE ION (MG/L AS HCO3)	1	190	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	248	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	1	0.9	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.2	
	pH	PH (STANDARD UNITS)	1	8.1	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.01	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	160	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	10	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	13	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	20	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	1	40	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	1	15	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.8	
		"SODIUM, DISSOLVED (MG/L AS Na)"	1	1	
		"SODIUM, PERCENT"	1	1	
		SODIUM ADSORPTION RATIO	1	ND	
GRTE0531	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	180	
		BICARBONATE ION (MG/L AS HCO3)	1	220	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	1270	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	1	0.01	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.02	
	pH	PH (STANDARD UNITS)	1	6.8	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.03	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	660	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	590	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	60	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	650	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	1	210	
		"IRON, DISSOLVED (UG/L AS Fe)"	1	190	
		"LITHIUM, DISSOLVED (UG/L AS Li)"	1	350	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	1	32	
		"MANGANESE, DISSOLVED (UG/L AS Mn)"	1	100	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	35	
		"SODIUM, DISSOLVED (MG/L AS Na)"	1	70	
		"SODIUM, PERCENT"	1	18	
		"ZINC, DISSOLVED (UG/L AS Zn)"	1	6	
SODIUM ADSORPTION RATIO	1	1.2			
GRTE0532	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	140	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
GRTE0533	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	180	
		BICARBONATE ION (MG/L AS HCO3)	1	220	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	1420	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	1	0.03	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.02	
	pH	PH (STANDARD UNITS)	1	6.8	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.02	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	740	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	660	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	70	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	700	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	1	230	
		"IRON, DISSOLVED (UG/L AS Fe)"	1	150	
		"LITHIUM, DISSOLVED (UG/L AS Li)"	1	380	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	1	40	
		"MANGANESE, DISSOLVED (UG/L AS Mn)"	1	100	
"POTASSIUM, DISSOLVED (MG/L AS K)"		1	32		
"SODIUM, DISSOLVED (MG/L AS Na)"		1	66		
"SODIUM, PERCENT"		1	16		
"ZINC, DISSOLVED (UG/L AS Zn)"		1	20		
SODIUM ADSORPTION RATIO	1	1.1			
GRTE0534	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	18	2.7	3.6
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	8	3.8	1.9
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	14	153	11
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	8	145	8.1
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	18	8	0.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	9	76	7
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	16	0.02	0.01
	pH	"PH, FIELD, STANDARD UNITS SU"	10	9.2	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	16	0.03	0.05
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	22	13	3.2
GRTE0535	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	ND	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	6.6	
	pH	PH (STANDARD UNITS)	2	7.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	21	
GRTE0536	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	180	
		BICARBONATE ION (MG/L AS HCO3)	1	220	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	1449	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	1	0.03	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.02	
	pH	PH (STANDARD UNITS)	1	6.7	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.03	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	740	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	650	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	66	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	690	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	230	
		"IRON, DISSOLVED (UG/L AS FE)"	1	150	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	1	370	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	39	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	1	90	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	31	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	66	
		"SODIUM, PERCENT"	1	16	
		"ZINC, DISSOLVED (UG/L AS ZN)"	1	20	
		SODIUM ADSORPTION RATIO	1	1.1	
GRTE0537	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	230	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
GRTE0538	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	145	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	132	
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	3	
GRTE0539	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	4	110	55
		BICARBONATE ION (MG/L AS HCO3)	4	135	68
		CARBONATE ION (MG/L AS CO3)	4	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	203	91
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	163	180
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.3	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
	pH	PH (STANDARD UNITS)	4	8.1	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	4	103	43
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	78	
		"SULFATE, TOTAL (MG/L AS SO4)"	4	5	1.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	11	8.7
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	30	12
		"CALCIUM, DISSOLVED (MG/L AS CA)"	4	30	10
		"IRON, TOTAL (UG/L AS FE)"	4	30	12
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	6.5	3.7
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	0.9	0.2
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	4	2
		"SODIUM, PERCENT"	4	7.5	0.6
		SODIUM ADSORPTION RATIO	4	0.2	0.06
GRTE0540	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.2	
GRTE0541	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	195	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.8	
GRTE0542	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	4	52	2.3
	pH	"PH, FIELD, STANDARD UNITS SU"	4	8.3	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	4	49	2.7
		"SULFATE, DISSOLVED (MG/L AS SO4)"	4	8.5	1.7
GRTE0543	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	258	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
GRTE0544	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	300	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
GRTE0545	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.2	
GRTE0546	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	220	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0547	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	170	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9	
GRTE0548	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	90	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.06	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.6	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	95		
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	2		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	2.2		
		"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	2	36		
	Toxic Elements	"COPPER, DISSOLVED (UG/L AS CU)"	2	ND		
		"IRON, DISSOLVED (UG/L AS FE)"	2	20		
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	ND		
	GRTE0549	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
			"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	125	
		Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.05	
pH		"PH, FIELD, STANDARD UNITS SU"	2	8.5		
Sulfates		"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	130		
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	3		
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	1.1		
		"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"	2	34		
Toxic Elements		"COPPER, DISSOLVED (UG/L AS CU)"	2	20		
		"IRON, DISSOLVED (UG/L AS FE)"	2	10		
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	ND			
GRTE0550	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9		
GRTE0551	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND		
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	60		
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.4		
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	52		
"SULFATE, DISSOLVED (MG/L AS SO4)"		2	1			
GRTE0552	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	100		
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.07		
GRTE0554	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	42	13	
		BICARBONATE ION (MG/L AS HCO3)	4	51	16	
		CARBONATE ION (MG/L AS CO3)	4	ND		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	80	21	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	19	22	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.3		
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02		
	pH	PH (STANDARD UNITS)	4	7.6	0.06	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	36	5.8	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	54		
		"SULFATE, TOTAL (MG/L AS SO4)"	4	2.7	0.6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	10	8.7	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	15	5.8	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	4	11	1.2	
		"IRON, TOTAL (UG/L AS FE)"	4	40	23	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	4	1.9	0.9	
"POTASSIUM, DISSOLVED (MG/L AS K)"		4	0.7	<0.0001		
"SODIUM, DISSOLVED (MG/L AS Na)"		4	2.4	0.9		
"SODIUM, PERCENT"		4	12	2.3		
	SODIUM ADSORPTION RATIO	4	0.2	0.06		
GRTE0555	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	140		
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9.5		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7		
GRTE0556	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	85		
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.6		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.5		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	2.3		
GRTE0557	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	40		
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3		
GRTE0558	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200		
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.9		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0559	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	240	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3.2	
GRTE0560	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
GRTE0561	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	130	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6.5	
GRTE0562	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	150	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.5	
GRTE0563	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	140	
	pH	PH (STANDARD UNITS)	2	5.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	13	
GRTE0564	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.07	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	40	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
GRTE0565	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	220	
	pH	PH (STANDARD UNITS)	2	5.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
GRTE0566	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	1.5	
GRTE0567	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	110	
	pH	PH (STANDARD UNITS)	2	5.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.2	
GRTE0568	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.01	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	60	
	pH	PH (STANDARD UNITS)	2	5.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9.6	
GRTE0569	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.01	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	85	
	pH	PH (STANDARD UNITS)	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	14	
GRTE0570	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	90	
	pH	PH (STANDARD UNITS)	2	5.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7.2	
GRTE0571	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	80	
	pH	PH (STANDARD UNITS)	2	5.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
GRTE0572	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	260	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	1.6	
GRTE0573	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.2	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	75	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.7	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	11	<0.0001
GRTE0574	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.2	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	80	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.8	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	10	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.09	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0575	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	45	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	15	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
GRTE0576	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	170	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	6.9	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1	<0.0001
GRTE0577	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	40	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9	
GRTE0578	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	ND	
		"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	75	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.6	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	65	
		"SULFATE, DISSOLVED (MG/L AS SO4)"	2	22	
GRTE0579	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	140	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.2	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.6	<0.0001
GRTE0580	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	220	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	5.6	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.9	<0.0001
GRTE0581	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	205	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.2	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	6	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001
GRTE0582	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	35	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0583	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	44	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	11	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.2	<0.0001
GRTE0584	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	90	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.7	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	13	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.2	<0.0001
GRTE0585	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	70	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9.6	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.01	<0.0001
GRTE0586	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	60	
	pH	PH (STANDARD UNITS)	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.9	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
GRTE0587	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	230	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	0.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.06	
GRTE0590	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	55	
	pH	PH (STANDARD UNITS)	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
GRTE0592	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	70	
	pH	PH (STANDARD UNITS)	2	5.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.7	
GRTE0593	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	40	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	12	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0594	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	135	
	pH	PH (STANDARD UNITS)	2	5.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.9	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.01	
GRTE0595	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	3	9	<0.0001
	pH	PH (STANDARD UNITS)	3	8.3	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	3	51	0.2
GRTE0596	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	3	9	<0.0001
	pH	PH (STANDARD UNITS)	3	8.7	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	3	86	0.3
GRTE0597	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	170	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.2	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.03	<0.0001
GRTE0598	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	110	<0.0001
	pH	PH (STANDARD UNITS)	3	5.9	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9.2	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.6	<0.0001
GRTE0599	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	80	<0.0001
	pH	PH (STANDARD UNITS)	3	5.7	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.8	<0.0001
GRTE0600	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	110	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.3	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	0.9	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.05	<0.0001
GRTE0601	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	38	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.7	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9.1	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.5	<0.0001
GRTE0602	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	250	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.1	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	0.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	2.6	<0.0001
GRTE0603	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	170	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	2.8	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.2	<0.0001
GRTE0604	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	35	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	4.4	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.5	<0.0001
GRTE0605	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	3	10	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	86	
	pH	PH (STANDARD UNITS)	3	8.6	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	3	137	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9	<0.0001
GRTE0606	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	200	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.4	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.06	<0.0001
GRTE0607	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	48	
	pH	PH (STANDARD UNITS)	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.03	
GRTE0608	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	40	
	pH	"PH, LAB, STANDARD UNITS SU"	2	4.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	9.3	
GRTE0609	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	170	<0.0001
	pH	PH (STANDARD UNITS)	3	6.2	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.7	<0.0001
GRTE0610	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	170	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.4	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	1.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.7	<0.0001



Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
GRTE0611	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	10	55	9.7	
		BICARBONATE ION (MG/L AS HCO3)	10	67	12	
		CARBONATE ION (MG/L AS CO3)	4	ND		
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	2	16		
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	6	2.3	1.4	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	2	6		
		"TURBIDITY, (JACKSON CANDLE UNITS)"	8	2	1.9	
		"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	2	1.3		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	83	207	60	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	10	9.6	2.4	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	1	111		
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	81	981	1016	
		"FLOW, STREAM, MEAN DAILY CFS"	2	2000		
		"STAGE, STREAM (FEET)"	40	13	56	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	10	0.07	0.04	
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	2	0.1		
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01		
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	2	0.01		
		"NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)"	2	0.3		
	pH	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	10	0.3	0.2	
		"PH, LAB, STANDARD UNITS SU"	21	8.1	0.3	
	Phosphate/Phosphorous	PH (STANDARD UNITS)	14	7.7	0.3	
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	6	0.02	0.03	
		"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.01		
		"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01		
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.01	0.004	
	Sulfates	"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	8	0.02	0.009	
		"HARDNESS, TOTAL (MG/L AS CaCO3)"	10	45	7.5	
	Temperature	"SULFATE, TOTAL (MG/L AS SO4)"	12	24	12	
		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	83	9.3	6.3	
	Toxic Elements	"ARSENIC, DISSOLVED (UG/L AS AS)"	3	25	42	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	100		
		"BORON, DISSOLVED (UG/L AS B)"	2	160		
		"CADMIUM, DISSOLVED (UG/L AS CD)"	2	5		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	12	16	5.2	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	5		
		"IRON, DISSOLVED (UG/L AS FE)"	10	28	12	
		"LEAD, DISSOLVED (UG/L AS PB)"	2	2		
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	12	3.1	1.4	
		"MERCURY, DISSOLVED (UG/L AS HG)"	2	1		
		"POTASSIUM, DISSOLVED (MG/L AS K)"	12	4.1	1.4	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	2	5		
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5		
		"SODIUM, DISSOLVED (MG/L AS NA)"	12	27	10	
		"SODIUM, PERCENT"	10	50	4.5	
		SODIUM ADSORPTION RATIO	10	1.5	0.4	
		GRTE0612	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	50	73
	BICARBONATE ION (MG/L AS HCO3)			35	87	20
	CARBONATE ION (MG/L AS CO3)			35	0.5	1.3
	Bacteriological		"FECAL COLIFORM, MF,M-FC, 0.7 UM"	49	34	49
			"FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR"	48	17	24
	Clarity/Turbidity		"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	51	3.7	9.5
	Conductivity		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	209	234	77
Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"		110	10	1.2	
	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "		95	107	7.5	
Flow	"FLOW, STREAM, INSTANTANEOUS CFS"		229	1207	1555	
	"STAGE, STREAM (FEET)"		12	34	102	
Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"		111	0.2	0.5	
	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"		16	0.1	0.1	
	"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"		111	0.03	0.02	
	"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"		46	0.03	0.01	
	"NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)"		40	0.2	<0.0001	
pH	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"		110	0.3	0.2	
	"PH, LAB, STANDARD UNITS SU"	97	7.8	0.3		
	PH (STANDARD UNITS)	112	7.9	0.4		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	88	0.02	0.01
		"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	110	0.01	0.008
		"PHOSPHORUS, TOTAL (MG/L AS P)"	110	0.03	0.06
		"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	16	0.02	0.01
	Sulfates	"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	91	169	47
		"SULFATE, TOTAL (MG/L AS SO4)"	92	26	11
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	223	6.9	4.7
	Toxic Elements	"2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)"	2	0.04	
		"2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)"	2	0.04	
		"2,4-DB WATER, DISUG/L"	2	0.04	
		"ACENAPHTHENE,DRY WEIGHT,SED,SIEVE"	4	50	<0.0001
		"ACENAPHTHYLENE,DRY WEIGHT,SED,SIEVE"	4	50	<0.0001
		"ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L"	6	0.002	<0.0001
		"ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.04	
		"ACRIDINE,DRY WEIGHT,SED,SIEVE"	4	43	15
		"ALACHLOR (LASSO), WATER, DISSOLVED UG/L"	6	0.002	<0.0001
		"ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L"	2	0.02	
		"ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L"	2	0.02	
		"ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"ALDRIN,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"ALDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"ALPHA-BHC,D6, DRY WT,SIEVE"	4	73	12
		"ALPHA-BHC,D6, WET WT.,TISSUE,WHOLE ORG,RECV %"	4	35	70
		"ALPHA-BHC,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"ALPHA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"ALUMINUM, DISSOLVED (UG/L AS AL)"	34	22	26
		"ALUMINUM, DRY WEIGHT, TISSUE/BIOTA,RECV UG/G"	4	1005	575
		"AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.01	
		"ANTIMONY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.4	0.1
		"ANTIMONY,SED,BOT,<63U,TOTAL,WET SIEVE,FIELD UG/G"	4	1.2	0.5
		"ARSENIC, DISSOLVED (UG/L AS AS)"	31	33	14
		"ARSENIC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	11	2.5
		"ARSENIC, TOTAL (UG/L AS AS)"	1	47	
		"ARSENIC,SED,BOT,WET SIEVE,<63U,FIELD,TOTAL UG/G"	4	33	13
		"BARIUM, DISSOLVED (UG/L AS BA)"	34	22	3.7
		"BARIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	46	12
		"BARIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	504	333
		"BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"BENTAZON WATER, DISUG/L"	2	0.01	
		"BENZO(G,H,I)PERYLENE,DRY WEIGHT,SIEVE"	4	46	8
		"BENZO(K)FLUORANTHENE,DRY WEIGHT,SIEVE"	4	47	5.5
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	26	0.5	<0.0001
		"BERYLLIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.6	0.1
		"BERYLLIUM,SED,BOT,WET SIEVE,<63U,FIELD,TOTAL UG/G"	4	4	<0.0001
		"BETA-BHC,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"BETA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5.1	0.1
		"BIQUINOLINE,2,2'-,DRY WT,SED,SIEVE"	4	50	<0.0001
		"BISMUTH,SED,BOT,WET SIEVE,<180U,LAB,TOTAL UG/G"	4	10	<0.0001
		"BORON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	5.1	2.5
		"BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	2	0.04	
		"BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.04	
		"BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	6	0.002	<0.0001
		"CADMIUM, DISSOLVED (UG/L AS CD)"	34	1.1	0.3
		"CADMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.4	0.1
		"CADMIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	0.5	0.05
		"CALCIUM, DISSOLVED (MG/L AS CA)"	91	17	3.8
		"CALCIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL %"	4	1.2	0.1
		"CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.003	<0.0001
		"CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.008	
		"CARBOFURAN,0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.003	<0.0001
		"CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.03	
		"CERIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	83	7.9
		"CHLORDANE, CIS-,DRY WT,SEDIMENT,SIEVE"	4	1	<0.0001
		"CHLORDANE,CIS-,WET WEIGHT,TISS,WHOLE ORG,RECVUG/KG"	4	5	<0.0001
		"CHLORDANE,TRANS-,DRY WT,SEDIMENT,SIEVE"	4	1	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CHLORDANE,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"CHLORONEB,DRY WT,SEDIMENT,SIEVE"	4	5	<0.0001
		"CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.04	
		"CHLORPYRIFOS,DISSOLVED UG/L"	6	0.004	<0.0001
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	34	1.9	2.1
		"CHROMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	1.6	0.5
		"CHROMIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	48	6.4
		"CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.05	
		"COBALT, DISSOLVED (UG/L AS CO)"	34	3	<0.0001
		"COBALT, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.8	0.3
		"COBALT,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	8.3	1
		"COPPER, DISSOLVED (UG/L AS CU)"	34	2.8	2.9
		"COPPER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	12	0.5
		"COPPER,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	14	2.6
		"CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.04	
		"CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	6	0.004	<0.0001
		"CYCLOPENTA(DEF)PHENANTHRENE, 4H-,DRY WT,SEV"	4	42	17
		"DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"DCPA,DRY WEIGHT,SEDIMENT,SIEVE"	4	5	<0.0001
		"DCPA,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5.2	0.3
		"DDD,O,P',-DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"DDD,O,P',-WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"DDD,P,P',-DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"DDD,P,P',-WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"DDE,O,P',-DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"DDE,O,P',-WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5.7	1.3
		"DDE,P,P',-DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"DDE,P,P', WET WT, TISSUE, WHOLE ORG,RECV UG/KG"	4	39	61
		"DDT,O,P',-DRY WT,SEDIMENT,SIEVE"	4	2	<0.0001
		"DDT,O,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG"	4	6.3	2.5
		"DDT,P,P',-DRY WT,SEDIMENT,SIEVE"	4	2	<0.0001
		"DDT,P,P',WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	6.3	2.5
		"DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L"	6	0.002	<0.0001
		"DELTA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5.2	0.3
		"DIBUTYLPHTHALATE,DRY WEIGHT,SED,SIEVE"	4	37	15
		"DICAMBA (BANVEL) WATER,DISSUG/L"	2	0.04	
		"DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.03	
		"DIELDRIN,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"DIELDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L"	6	0.003	<0.0001
		"DIETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE"	4	45	10
		"DIMETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE"	4	35	19
		"DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L"	2	0.04	
		"DIOCTYLPHTHALATE,DRY WEIGHT,SED,SIEVE"	4	55	10
		"DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.02	0.001
		"DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L"	2	0.02	
		"ENDOSULFAN I,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"ENDRIN,DRY WEIGHT,SEDIMENT,SIEVE"	4	2	<0.0001
		"ENDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.004	<0.0001
		"ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.003	<0.0001
		"EUROPIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	2	<0.0001
		"FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.01	
		"FLUOMETURON WATER, DISUG/L"	2	0.04	
		"FLUORENE,9H-,DRY WEIGHT,SIEVE"	4	43	15
		"FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	6	0.003	<0.0001
		"GALLIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	16	2.5
		"GAMMA-BHC(LINDANE),DISSOLVED,UG/L"	6	0.004	<0.0001
		"GOLD,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	8	<0.0001
		"HEPTACHLOR EPOXIDE,DRY WT,SEDIMENT,SIEVE"	4	1	<0.0001
		"HEPTACHLOR EPOXIDE,WET WT,TISS,WHOLE ORG,RECVUG/KG"	4	5	<0.0001
		"HEPTACHLOR,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"HEPTACHLOR,WET WT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"HEXACHLOROBENZENE,DRY WT,SEDIMENT,SIEVE"	4	1	<0.0001
		"HEXACHLOROBENZENE,WET WT,TISS,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"HOLMIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	4	<0.0001
		"HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L"	2	0.01	
		"IRON, DISSOLVED (UG/L AS FE)"	76	24	17
		"IRON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	1558	1170
		"IRON,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL %" "	4	2.4	0.2
		"ISODRIN,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"ISOPHORONE,DRY WEIGHT,SIEVE"	4	50	<0.0001
		"ISOQUINOLINE,DRY WEIGHT,SED,SIEVE"	4	36	17
		"LANTHANUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	47	2.9
		"LEAD, DISSOLVED (UG/L AS PB)"	34	3.8	4.5
		"LEAD, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	1.7	1.2
		"LEAD,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	26	8.8
		"LINDANE,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"LINDANE,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"LINURON WATER,DISSUG/L"	2	0.02	
		"LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"LITHIUM, DISSOLVED (UG/L AS LI)"	34	151	60
		"LITHIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	33	5
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	91	3.2	0.7
		"MAGNESIUM,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL %" "	4	0.8	0.1
		"MANGANESE, DISSOLVED (UG/L AS MN)"	76	4.4	1.8
		"MANGANESE, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	509	245
		"MANGANESE,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	703	405
		"MCPA WATER,DISSUG/L"	2	0.05	
		"MCPB WATER,DISSUG/L"	2	0.04	
		"M-CRESOL, 4-CHLORO-,DRY WEIGHT,SED,SIEVE"	4	50	<0.0001
		"MERCURY, DISSOLVED (UG/L AS HG)"	33	0.3	0.7
		"MERCURY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.1	<0.0001
		"MERCURY,SED,BOT,<63U,WET SIEVE,FIELD,TOTAL UG/G"	4	0.04	0.01
		"METHANE, BIS(2-CHLOROETHOXY),DRY WT,SEV"	4	50	<0.0001
		"METHIOCARB WATER,DISSUG/L"	2	0.03	
		"METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"METHOXYCHLOR,O,P'-,DRY WT,SED,SIEVE"	4	5	<0.0001
		"METHOXYCHLOR,O,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG"	4	6.3	2.5
		"METHOXYCHLOR,P,P'-,DRY WT,SED,SIEVE"	4	5	<0.0001
		"METHOXYCHLOR,P,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG"	4	6.3	2.5
		"METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.001	<0.0001
		"METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L"	6	0.006	<0.0001
		"METHYL-9H-FLUORENE,DRY WEIGHT,SIEVE"	4	44	12
		"METHYLBENZO(A)PYRENE,DRY WT,SED,SIEVE"	4	48	3.5
		"METHYLPHENANTHRENE,DRY WT,SIEVE"	4	31	16
		"METHYLPYRENE,DRY WEIGHT,SED,SIEVE"	4	48	3.5
		"METOLACHLOR, WATER, DISSOLVED UG/L"	6	0.002	<0.0001
		"METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L"	6	0.004	<0.0001
		"MIREX,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"MIREX,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.004	<0.0001
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	34	11	2.4
		"MOLYBDENUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	1.6	0.05
		"MOLYBDENUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	2	<0.0001
		"NAPHTHALENE, 1,2-DIMETHYL-,DRY WT,SIEVE"	4	43	14
		"NAPHTHALENE, 1,6-DIMETHYL-,DRY WT,SIEVE"	4	31	19
		"NAPHTHALENE, 2,3,6-TRIMETHYL-,DRY WT,SEV"	4	43	14
		"NAPHTHALENE, 2,6-DIMETHYL-,DRY WT,SIEVE"	4	45	14
		"NAPHTHALENE, 2-CHLORO-,DRY WT,SIEVE"	4	50	<0.0001
		"NAPHTHALENE, DRY WEIGHT, SIEVE"	4	41	11
		"NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.003	<0.0001
		"NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"NEODYMIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	36	3
		"NICKEL, DISSOLVED (UG/L AS NI)"	34	2.2	2.5
		"NICKEL, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	1.4	0.5
		"NICKEL,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	17	1.4

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"NIOBIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	16	2.4
		"N-NITROSO-DIPROPYLAMINE,DRY WT,SED,SIEVE"	4	50	<0.0001
		"NONACHLOR,CIS-,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"NONACHLOR,CIS-,WET WT,TISS,WHOLE ORG,RECV UG/KG"	4	5	<0.0001
		"NONACHLOR,TRANS-,DRY WT,SEDIMENT,SIEVE"	4	1.3	0.5
		"NONACHLOR,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG"	4	5.2	0.5
		"NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.02	
		"OXAMYL WATER, DISSUG/L"	2	0.02	
		"OXYCHLORDANE,DRY WEIGHT,SEDIMENT,SIEVE"	4	1	<0.0001
		"OXYCHLORDANE,WET WT,TISSUE,WHOLE ORG,RECV UG/KG"	4	5.1	0.1
		"P,P'-DDE DISSUG/L"	6	0.006	<0.0001
		"PCB, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	50	<0.0001
		"PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.004	<0.0001
		"PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.004	<0.0001
		"PENTACHLOROANISOLE,WET WT,TISS,WHOLE ORG,RECVUG/KG"	4	5	<0.0001
		"PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.005	<0.0001
		"PERMETHRIN,CIS-,DRY WT,SED,SIEVE"	4	5	<0.0001
		"PERMETHRIN,TRANS-,DRY WT,SED,SIEVE"	3	5	<0.0001
		"PHENANTHRENE,DRY WEIGHT,SIEVE"	4	30	15
		"PHENANTHRIDINE,DRY WEIGHT,SED,SIEVE"	4	50	<0.0001
		"PHENOL, C8-ALKYL-,DRY WEIGHT,SED,SIEVE"	4	50	<0.0001
		"PHENOL,DRY WEIGHT,SEDIMENT,SIEVE"	4	35	29
		"PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"PHOSPHORUS,SED,BOT,<63,WET SIEVE,FIELD,TOTAL %" "	4	0.1	0.01
		"PHTHALATE, BIS(2-ETHYLHEXYL)-,DRY WT,SEV"	4	176	238
		"PHTHALATE, BUTYL BENZYL, DRY WT,SED,SEV"	4	43	21
		"PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L"	2	0.05	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	92	3.9	1.3
		"POTASSIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL %" "	4	1.9	0.2
		"PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	6	0.02	<0.0001
		"PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.003	<0.0001
		"PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L"	6	0.007	<0.0001
		"PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.004	<0.0001
		"PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.01	0.001
		"PROPOXUR WATER,DISSUG/L"	1	0.04	
		"PYRENE,DRY WEIGHT,SED,SIEVE"	4	25	20
		"QUINOLINE,DRY WEIGHT,SEDIMENT,SIEVE"	4	33	20
		"SCANDIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	7.5	1
		"SELENIUM, DISSOLVED (UG/L AS SE)"	34	1	0.2
		"SELENIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	1.6	0.8
		"SELENIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	0.5	0.06
		"SILVER, DISSOLVED (UG/L AS AG)"	34	1	<0.0001
		"SILVER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.4	0.1
		"SILVER,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	0.2	<0.0001
		"SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L"	6	0.005	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	91	28	10
		"SODIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL %" "	4	0.9	0.2
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	34	138	41
		"STRONTIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	7	2.2
		"STRONTIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	150	8.2
		"SULFUR,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	0.1	0.02
		"TANTALUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	40	<0.0001
		"TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.01	<0.0001
		"TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.007	<0.0001
		"TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.01	0.001
		"THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"THORIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	13	1.9
		"TIN,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	5	<0.0001
		"TITANIUM, DRY WT, SIEVE"	4	0.3	0.02
		"TOLUENE, 2,4-DINITRO-,DRY WEIGHT,SIEVE"	4	50	<0.0001
		"TOLUENE, 2,6-DINITRO-,DRY WEIGHT,SIEVE"	4	268	268
		"TOXAPHENE, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG"	4	200	<0.0001
		"TOXAPHENE,DRY WEIGHT,SEDIMENT,SIEVE"	4	200	<0.0001
		"TRIALATE, 0.7 UM FILT, TOT RECV, WATER UG/L"	6	0.001	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L"	6	0.002	<0.0001
		"URANIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	0.4	0.1
		"URANIUM, NATURAL, DISSOLVED"	11	0.2	0.08
		"URANIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	4.8	0.5
		"VANADIUM, DISSOLVED (UG/L AS V)"	34	6	<0.0001
		"VANADIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	69	8.6
		"XYLENOL, 3,5-,DRY WEIGHT,SIEVE"	4	46	8.5
		"YTTERBIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	3	<0.0001
		"YTTRIUM,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	29	1.4
		"ZINC, DISSOLVED (UG/L AS ZN)"	34	9.1	5.1
		"ZINC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G"	4	114	20
		"ZINC,SED,BOT,<63,WET SIEVE,FIELD,TOTAL UG/G"	4	104	18
		A-BHC-ALPHA DISSUG/L	6	0.002	<0.0001
		ATRAZINE DISSOLVED IN WATER PPB	6	0.001	0.0008
		DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	0.002	<0.0001
		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	0.001	<0.0001
		INDENO(123-CD) PYRENE)	4	50	<0.0001
		MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	0.005	<0.0001
		PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	0.004	<0.0001
		SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	2	0.02	
GRTE0613	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	1	70	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	197	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	ND	
	pH	PH (STANDARD UNITS)	1	7.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	46	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	21	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	16	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	160	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	14	
		"IRON, TOTAL (UG/L AS FE)"	1	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	2.6	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	3.4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	20	
GRTE0614	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	160	<0.0001
	pH	PH (STANDARD UNITS)	3	6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	11	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.3	<0.0001
GRTE0615	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	160	<0.0001
	pH	PH (STANDARD UNITS)	3	5.9	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	14	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.6	<0.0001
GRTE0616	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	120	<0.0001
	pH	PH (STANDARD UNITS)	3	5.9	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	11	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001
GRTE0617	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	210	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.7	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	2.7	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.5	<0.0001
GRTE0618	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	50	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
GRTE0619	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	50	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
GRTE0620	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	31	
		BICARBONATE ION (MG/L AS HCO3)	2	38	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	74	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	3.1	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.02	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.1	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	PH (STANDARD UNITS)	2	7.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	32	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	52	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	1.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	40	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	9.7	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	1.8	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.7	
"SODIUM, DISSOLVED (MG/L AS Na)"		2	3.2		
"SODIUM, PERCENT"		2	18		
	SODIUM ADSORPTION RATIO	2	0.2		
GRTE0621	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	150	<0.0001
	pH	PH (STANDARD UNITS)	3	6	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	12	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001
GRTE0622	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	31	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
GRTE0623	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	10	57	11
		BICARBONATE ION (MG/L AS HCO3)	10	70	13
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Bacteriological	"FECAL COLIFORM, MF, M-FC, 0.7 UM"	2	1	
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	6	4.3	3.1
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	6	1	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10	218	57
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	8.7	1.2
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	10	829	785
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	8	0.06	0.04
	Nitrate/Nitrogen	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	10	0.4	0.3
		pH	PH (STANDARD UNITS)	10	7.6
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	8	0.03	0.04
		"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.01	0.008
		"PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	8	0.02	0.009
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	10	51	8.9
		"SULFATE, TOTAL (MG/L AS SO4)"	10	20	6.7
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	10	12	6.6
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	10	16	2.9
		"IRON, DISSOLVED (UG/L AS Fe)"	10	36	25
"MAGNESIUM, DISSOLVED (MG/L AS Mg)"		10	2.7	0.4	
"POTASSIUM, DISSOLVED (MG/L AS K)"		10	3.5	1	
"SODIUM, DISSOLVED (MG/L AS Na)"		10	21	7.5	
"SODIUM, PERCENT"		10	44	6	
SODIUM ADSORPTION RATIO		10	1.3	0.4	
GRTE0624	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	12	70	15
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	12	2	<0.0001
		"TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU"	12	1.2	0.7
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12	260	57
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	12	8.6	0.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	6	80	3.6
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	12	463	192
		"AMMONIA, UNIONIZED (MG/L AS N)"	1	0.004	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	12	ND	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	2	0.1	
	pH	"PH, FIELD, STANDARD UNITS SU"	12	8.2	0.3
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	12	ND	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	12	76	31
"SULFATE, TOTAL (MG/L AS SO4)"		12	26	9.4	
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	12	13	2.7	
GRTE0625	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	8	2188	2751
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	10	0.09	0.08
GRTE0626	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	34	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	"PH, LAB, STANDARD UNITS SU"	2	5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0628	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	112	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.3	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.04	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.8	
		PH (STANDARD UNITS)	2	7.7	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.02	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	12	
		Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	15
"MAGNESIUM, DISSOLVED (MG/L AS MG)"			2	2.3	
"POTASSIUM, DISSOLVED (MG/L AS K)"			2	0.4	
"SODIUM, DISSOLVED (MG/L AS NA)"	2		3.9		
GRTE0629	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	0.5	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	10	9	0.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	5	79	4.5
	pH	PH (STANDARD UNITS)	12	8	0.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	11	6.4
"TEMPERATURE, WATER (DEGREES FAHRENHEIT)"		12	52	11	
GRTE0630	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	60	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.8	
GRTE0631	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	98	
		BICARBONATE ION (MG/L AS HCO3)	2	120	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.09	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	2	0.1	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.02	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	89	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	21	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	27	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	5.3	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	18	
"SODIUM, PERCENT"		2	30		
SODIUM ADSORPTION RATIO		2	0.8		
GRTE0632	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	5	48	13
		BICARBONATE ION (MG/L AS HCO3)	5	59	16
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	1	8	
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	3	16	3.2
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	4	1.8	1
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	5	178	45
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.7	1.2
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	5	97	29
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.08	0.02
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	5	0.2	0.1
	pH	PH (STANDARD UNITS)	5	7.6	0.2
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	4	0.05	0.04
		"PHOSPHORUS, TOTAL (MG/L AS P)"	5	0.02	0.008
		"PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	4	0.03	0.02
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	5	16	4.9
		"SULFATE, TOTAL (MG/L AS SO4)"	5	4.8	0.4
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	5	16	4.1
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	5	5.1	1.6
		"IRON, DISSOLVED (UG/L AS FE)"	5	26	8.9
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		5	0.7	0.2	
"POTASSIUM, DISSOLVED (MG/L AS K)"		5	4.1	0.7	
"SODIUM, DISSOLVED (MG/L AS NA)"		5	28	8.5	
"SODIUM, PERCENT"		5	74	2.9	
SODIUM ADSORPTION RATIO		5	3	0.6	
GRTE0633	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	190	<0.0001



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0634	pH	"PH, LAB, STANDARD UNITS SU"	3	6.2	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	5.2	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	39	4
		"BICARBONATE ION (MG/L AS HCO3)"	4	47	4.6
	Bacteriological	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	2	6	
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	2	48	
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	4	1	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	175	29
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.7	1
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	88	14
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.09	0.01
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	4	0.2	0.1
	pH	PH (STANDARD UNITS)	4	7.5	<0.0001
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	4	ND	
		"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	<0.0001
		"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	4	0.03	0.02
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	15	0.6
		"SULFATE, TOTAL (MG/L AS SO4)"	4	4.9	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	12	1.2
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	4	4.5	<0.0001
		"IRON, DISSOLVED (UG/L AS FE)"	4	20	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	0.7	0.1
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	4.3	0.2
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	25	5.2
		"SODIUM, PERCENT"	4	73	4
		SODIUM ADSORPTION RATIO	4	2.9	0.6
GRTE0635	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	160	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	21	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
GRTE0638	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	110	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.4	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	2.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001
GRTE0641	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	900	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.3	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	25	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.1	<0.0001
GRTE0644	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	120	<0.0001
	pH	PH (STANDARD UNITS)	3	5.8	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	2.7	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.04	<0.0001
GRTE0645	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	44	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	9.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.5	<0.0001
GRTE0646	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	3	8	<0.0001
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	82	
	pH	PH (STANDARD UNITS)	3	7.5	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	3	34	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	17	<0.0001
GRTE0647	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	195	66
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	1176	1321
	pH	PH (STANDARD UNITS)	2	8.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	9.6	7.4
GRTE0649	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	310	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	3.5	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.07	<0.0001
GRTE0655	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	100	<0.0001
	pH	PH (STANDARD UNITS)	3	5.9	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	2.4	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.1	<0.0001
GRTE0656	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	125	<0.0001

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.4	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	3.7	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.02	<0.0001
GRTE0659	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.05	0.003
GRTE0660	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	3	9	<0.0001
		"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	3	1.3	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	158	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	3	8.4	<0.0001
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	3	89	<0.0001
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	3	0.1	<0.0001
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	3	0.1	<0.0001
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	3	0.01	<0.0001
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	3	0.01	<0.0001
		"NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)"	3	0.3	<0.0001
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	3	0.3	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	8.2	<0.0001
		PH (STANDARD UNITS)	3	7.9	<0.0001
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	3	0.01	<0.0001
		"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	3	0.01	<0.0001
		"PHOSPHORUS, TOTAL (MG/L AS P)"	3	0.01	<0.0001
		"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	3	0.02	<0.0001
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	3	4.1	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	10	<0.0001
	Toxic Elements	"ARSENIC, DISSOLVED (UG/L AS AS)"	2	56	
		"BARIUM, DISSOLVED (UG/L AS BA)"	3	100	<0.0001
		"CADMIUM, DISSOLVED (UG/L AS CD)"	3	5	<0.0001
		"CALCIUM, DISSOLVED (MG/L AS CA)"	3	3.3	<0.0001
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	3	5	<0.0001
		"LEAD, DISSOLVED (UG/L AS PB)"	3	2	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	3	1.7	<0.0001
		"MERCURY, DISSOLVED (UG/L AS HG)"	3	1	<0.0001
		"POTASSIUM, DISSOLVED (MG/L AS K)"	3	3.9	<0.0001
		"SELENIUM, DISSOLVED (UG/L AS SE)"	3	5	<0.0001
		"SILVER, DISSOLVED (UG/L AS AG)"	3	5	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	3	35	<0.0001
GRTE0661	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	3	57	<0.0001
		BICARBONATE ION (MG/L AS HCO3)	3	70	<0.0001
		CARBONATE ION (MG/L AS CO3)	3	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	167	<0.0001
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	3	0.3	<0.0001
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	3	ND	
	pH	PH (STANDARD UNITS)	3	7	<0.0001
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	3	15	<0.0001
		"SULFATE, TOTAL (MG/L AS SO4)"	3	0.8	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	18	<0.0001
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	3	180	<0.0001
		"CALCIUM, DISSOLVED (MG/L AS CA)"	3	5	<0.0001
		"IRON, TOTAL (UG/L AS FE)"	3	270	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	3	0.6	<0.0001
		"POTASSIUM, DISSOLVED (MG/L AS K)"	3	3.2	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	3	30	<0.0001
		"SODIUM, PERCENT"	3	77	<0.0001
		SODIUM ADSORPTION RATIO	3	3.4	<0.0001
GRTE0662	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	1	108	
		BICARBONATE ION (MG/L AS HCO3)	1	132	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	418	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	1	139	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.1	
	pH	PH (STANDARD UNITS)	1	8.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	1	131	
		"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	1	258	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	70	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	14	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	300	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	40			
		"IRON, TOTAL (UG/L AS FE)"	1	80			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	7.6			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	5.3			
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	35			
		"SODIUM, PERCENT"	1	36			
		SODIUM ADSORPTION RATIO	1	1.3			
		GRTE0663	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	9	
				BICARBONATE ION (MG/L AS HCO3)	1	11	
				CARBONATE ION (MG/L AS CO3)	1	ND	
		Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	24		
		Flow	"FLOW, STREAM, MEAN DAILY CFS"	1	0.7		
		Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.3		
		pH	PH (STANDARD UNITS)	1	6.6		
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	6				
	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	1	32				
	"SULFATE, TOTAL (MG/L AS SO4)"	1	0.4				
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	23				
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	30				
	"CALCIUM, DISSOLVED (MG/L AS CA)"	1	2				
	"IRON, TOTAL (UG/L AS FE)"	1	160				
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	0.5				
	"POTASSIUM, DISSOLVED (MG/L AS K)"	1	1				
	"SODIUM, DISSOLVED (MG/L AS NA)"	1	1.5				
	"SODIUM, PERCENT"	1	28				
	SODIUM ADSORPTION RATIO	1	0.2				
GRTE0664	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	3	300	<0.0001		
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	3	0.05	<0.0001		
GRTE0665	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	40			
		BICARBONATE ION (MG/L AS HCO3)	1	49			
		CARBONATE ION (MG/L AS CO3)	1	ND			
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	5	153	12		
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	4	190	23		
		"FLOW, STREAM, MEAN DAILY CFS"	1	218			
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.1			
	pH	PH (STANDARD UNITS)	1	8			
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	10			
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	1	112			
		"SULFATE, TOTAL (MG/L AS SO4)"	1	4			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	5	9.8	3.5		
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	140			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	3.4			
"IRON, TOTAL (UG/L AS FE)"		1	50				
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		1	0.4				
"POTASSIUM, DISSOLVED (MG/L AS K)"		1	3				
"SODIUM, DISSOLVED (MG/L AS NA)"		1	24				
"SODIUM, PERCENT"		1	79				
SODIUM ADSORPTION RATIO		1	3.3				
GRTE0668	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	37	<0.0001		
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.8	<0.0001		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	10	<0.0001		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.5	<0.0001		
GRTE0669	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	20	<0.0001		
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	12	<0.0001		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.2	<0.0001		
GRTE0670	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	40	<0.0001		
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	13	<0.0001		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.5	<0.0001		
GRTE0671	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	320	<0.0001		
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.1	<0.0001		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	22	<0.0001		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1	<0.0001		
GRTE0673	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	185	<0.0001		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
	pH	PH (STANDARD UNITS)	3	6.6	<0.0001	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	4.1	<0.0001	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.6	<0.0001	
GRTE0674	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	365	<0.0001	
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.7	<0.0001	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	2	<0.0001	
GRTE0675	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.1	<0.0001	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	500	<0.0001	
	pH	"PH, LAB, STANDARD UNITS SU"	3	6.5	<0.0001	
GRTE0678	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	6.8	<0.0001	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.6	<0.0001	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	50	<0.0001	
GRTE0679	pH	"PH, LAB, STANDARD UNITS SU"	3	5.3	<0.0001	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	6.2	<0.0001	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001	
GRTE0679	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	370	<0.0001	
	pH	PH (STANDARD UNITS)	3	6.8	<0.0001	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	8.7	<0.0001	
GRTE0680	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.3	<0.0001	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	3	49	18	
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	3	17	29	
GRTE0680	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	169	93	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	8.4		
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	1	84		
	Nitrate/Nitrogen		"AMMONIA, UNIONZED (MG/L AS N)"	1	ND	
			"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	3	0.007	0.006
			"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	3	0.01	0.02
			"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	2	0.5	
	pH		"PH, LAB, STANDARD UNITS SU"	2	7.6	
			PH (STANDARD UNITS)	2	7.6	
	Phosphate/Phosphorous		"PHOSPHORUS, TOTAL (MG/L AS P)"	3	0.1	0.1
			"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	3	0.03	0.01
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	3	26	16	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	16		
	Toxic Elements		"BARIUM, DISSOLVED (UG/L AS BA)"	2	ND	
			"CALCIUM, DISSOLVED (MG/L AS CA)"	2	7.2	
			"COPPER, DISSOLVED (UG/L AS CU)"	1	ND	
			"IRON, TOTAL (UG/L AS FE)"	2	50	
			"LEAD, DISSOLVED (UG/L AS PB)"	2	ND	
			"MAGNESIUM, DISSOLVED (MG/L AS MG)"	3	2.3	1.4
			"MANGANESE, TOTAL (UG/L AS MN)"	2	ND	
			"POTASSIUM, DISSOLVED (MG/L AS K)"	1	3.3	
			"SODIUM, DISSOLVED (MG/L AS NA)"	2	25	
			"ZINC, DISSOLVED (UG/L AS ZN)"	2	ND	
		CALCIUM (MG/L AS CaCO3)	1	17		
GRTE0681	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	6	56	12	
	Bacteriological	"COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C"	5	131	123	
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C"	10	60	87	
		"FECAL STREPTOCOCCI, MBR FILT, KF AGAR,35C,48HR"	5	58	54	
	Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	6	13	26	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	165	40	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	8.6	1	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	4	77	4.1	
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	4	0	<0.0001	
		"NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)"	4	0.02	0.02	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	4	0.008	0.005	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	4	0.07	0.05	
	pH	"PH, LAB, STANDARD UNITS SU"	9	7.4	0.5	
		PH (STANDARD UNITS)	4	7.2	0.2	
Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.03	0.02		
	"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"	4	0.01	0.008		
Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	4	17	4.4		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	14	9.9	6.4		
Toxic Elements	"ARSENIC, DISSOLVED (UG/L AS AS)"	4	23	5		
	"BARIUM, DISSOLVED (UG/L AS BA)"	4	ND			

Station	Parameter Group	Parameter Name	No. samples	Mean	SD		
		"BORON, DISSOLVED (UG/L AS B)"	3	90	72		
		"BORON, SUSPENDED (UG/L AS B)"	1	ND			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	4	12	1.5		
		"COPPER, DISSOLVED (UG/L AS CU)"	4	ND			
		"IRON, TOTAL (UG/L AS FE)"	4	188	239		
		"LEAD, DISSOLVED (UG/L AS PB)"	4	ND			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	2.4	0.6		
		"MANGANESE, TOTAL (UG/L AS MN)"	4	20	40		
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	3.5	1.5		
		"SELENIUM, DISSOLVED (UG/L AS SE)"	2	ND			
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	18	3.6		
		"URANIUM, NATURAL, DISSOLVED"	1	0.2			
		"ZINC, DISSOLVED (UG/L AS ZN)"	4	ND			
		DDE IN WHOLE WATER SAMPLE (UG/L)	1	0.03			
		DDT IN WHOLE WATER SAMPLE (UG/L)	1	0.02			
		GRTE0685	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	1	16	
				BICARBONATE ION (MG/L AS HCO3)	1	20	
Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"		1	6.9			
	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"		1	2.4			
Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"		1	16			
	"PHOSPHORUS, TOTAL (MG/L AS P)"		1	5.3			
	"PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)"		1	4.3			
Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"		1	29			
	"SULFATE, TOTAL (MG/L AS SO4)"		1	11			
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		1	17			
Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"		1	9.1			
	"IRON, DISSOLVED (UG/L AS FE)"		1	100			
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"		1	1.6			
	"POTASSIUM, DISSOLVED (MG/L AS K)"		1	8.8			
	"SODIUM, DISSOLVED (MG/L AS NA)"		1	18			
	"SODIUM, PERCENT"		1	49			
	SODIUM ADSORPTION RATIO		1	1.4			
GRTE0686	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	131			
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.05			
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	1	0.02			
		"NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)"	1	0.08			
	pH	PH (STANDARD UNITS)	1	8.1			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	1	0.01			
GRTE0687	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	1	91			
		BICARBONATE ION (MG/L AS HCO3)	1	111			
		CARBONATE ION (MG/L AS CO3)	1	ND			
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	580			
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	24			
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	1	8.8			
	pH	PH (STANDARD UNITS)	1	7.6			
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	9			
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	1	100			
		"SULFATE, TOTAL (MG/L AS SO4)"	1	19			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	16			
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	1	31			
		"IRON, DISSOLVED (UG/L AS FE)"	1	100			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	5.8			
"POTASSIUM, DISSOLVED (MG/L AS K)"		1	16				
"SODIUM, DISSOLVED (MG/L AS NA)"		1	64				
"SODIUM, PERCENT"		1	53				
SODIUM ADSORPTION RATIO		1	2.8				
GRTE0688	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	133			
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	8.1			
	pH	"PH, LAB, STANDARD UNITS SU"	1	8.2			
		PH (STANDARD UNITS)	1	9			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	8.6			
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	1	7.7			
		"ARSENIC, DISSOLVED (UG/L AS AS)"	1	12			
"BARIUM, DISSOLVED (UG/L AS BA)"		1	17				
"BERYLLIUM, DISSOLVED (UG/L AS BE)"		1	0.5				

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"BORON, DISSOLVED (UG/L AS B)"	1	20	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	1	1	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	15	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	1	1	
		"COBALT, DISSOLVED (UG/L AS CO)"	1	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	1	1	
		"IRON, DISSOLVED (UG/L AS FE)"	1	12	
		"LEAD, DISSOLVED (UG/L AS PB)"	1	1	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	1	30	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	4.7	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	1	11	
		"MERCURY, DISSOLVED (UG/L AS HG)"	1	0.1	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	1	10	
		"NICKEL, DISSOLVED (UG/L AS NI)"	1	10	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	1	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	1	1	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	4	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	1	85	
		"VANADIUM, DISSOLVED (UG/L AS V)"	1	6	
		"ZINC, DISSOLVED (UG/L AS ZN)"	1	3	
GRTE0689	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	178	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	7	
	pH	PH (STANDARD UNITS)	1	8.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	9.2	
GRTE0690	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	178	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	7	
	pH	"PH, LAB, STANDARD UNITS SU"	1	8	
		PH (STANDARD UNITS)	1	8.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	9.3	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	1	17	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	1	12	
		"BARIUM, DISSOLVED (UG/L AS BA)"	1	39	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	1	0.5	
		"BORON, DISSOLVED (UG/L AS B)"	1	63	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	1	3	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	20	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	1	1	
		"COBALT, DISSOLVED (UG/L AS CO)"	1	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	1	1	
		"IRON, DISSOLVED (UG/L AS FE)"	1	8	
		"LEAD, DISSOLVED (UG/L AS PB)"	1	1	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	1	46	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	4.9	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	1	7	
		"MERCURY, DISSOLVED (UG/L AS HG)"	1	0.1	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	1	10	
		"NICKEL, DISSOLVED (UG/L AS NI)"	1	10	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	1	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	1	1	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	7.4	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	1	120	
		"VANADIUM, DISSOLVED (UG/L AS V)"	1	6	
		"ZINC, DISSOLVED (UG/L AS ZN)"	1	6	
GRTE0691	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	178	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	7.3	
	pH	PH (STANDARD UNITS)	1	8.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	9.1	
GRTE0692	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	134	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	8	
	pH	PH (STANDARD UNITS)	1	9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	8.7	
GRTE0693	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	134	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	8.1	
	pH	PH (STANDARD UNITS)	1	8.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	8.1	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0694	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	172	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	6.2	
	pH	"PH, LAB, STANDARD UNITS SU"	1	7.9	
		PH (STANDARD UNITS)	1	8.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	1	11	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	1	16	
		"BARIUM, DISSOLVED (UG/L AS BA)"	1	35	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	1	0.5	
		"BORON, DISSOLVED (UG/L AS B)"	1	67	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	1	5	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	19	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	1	1	
		"COBALT, DISSOLVED (UG/L AS CO)"	1	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	1	1	
		"IRON, DISSOLVED (UG/L AS FE)"	1	10	
		"LEAD, DISSOLVED (UG/L AS PB)"	1	1	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	1	51	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	4.5	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	1	4	
		"MERCURY, DISSOLVED (UG/L AS HG)"	1	0.1	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	1	10	
		"NICKEL, DISSOLVED (UG/L AS NI)"	1	10	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	1	1	
"SILVER, DISSOLVED (UG/L AS AG)"		1	1		
"SODIUM, DISSOLVED (MG/L AS NA)"	1	8.5			
"STRONTIUM, DISSOLVED (UG/L AS SR)"	1	120			
"VANADIUM, DISSOLVED (UG/L AS V)"	1	6			
"ZINC, DISSOLVED (UG/L AS ZN)"	1	6			
GRTE0695	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	171	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	6.5	
	pH	PH (STANDARD UNITS)	1	8.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	10	
GRTE0696	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	172	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	6.3	
	pH	PH (STANDARD UNITS)	1	8.3	
GRTE0697	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	133	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	6.4	
	pH	PH (STANDARD UNITS)	1	7.9	
GRTE0698	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	133	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	6.4	
	pH	"PH, LAB, STANDARD UNITS SU"	1	7.8	
		PH (STANDARD UNITS)	1	7.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	1	7.9	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	1	4	
		"BARIUM, DISSOLVED (UG/L AS BA)"	1	28	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	1	0.5	
		"BORON, DISSOLVED (UG/L AS B)"	1	18	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	1	1	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	17	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	1	1	
		"COBALT, DISSOLVED (UG/L AS CO)"	1	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	1	1	
		"IRON, DISSOLVED (UG/L AS FE)"	1	7	
		"LEAD, DISSOLVED (UG/L AS PB)"	1	1	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	1	15	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	3.8	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	1	130	
		"MERCURY, DISSOLVED (UG/L AS HG)"	1	0.1	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	1	10	
		"NICKEL, DISSOLVED (UG/L AS NI)"	1	10	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	1	1	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"SILVER, DISSOLVED (UG/L AS AG)"	1	1	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	2.8	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	1	80	
		"VANADIUM, DISSOLVED (UG/L AS V)"	1	6	
		"ZINC, DISSOLVED (UG/L AS ZN)"	1	3	
GRTE0699	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	133	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	1	6.4	
	pH	PH (STANDARD UNITS)	1	8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	10	



**APPENDIX C-5** Water Quality Standard Violations In Snake Headwaters Sub-  
basin

## Appendix C-5. Water quality parameter exceedances for Snake Headwaters sub-basin.

Parameter Group	Station No.	Parameter Name	Units	Date	Value
Bacteriological	GRTE0346	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	CFU/100ML	09/14/98	300
	GRTE0436	"COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)"	MPN/100ML	09/04/95	3000
		"FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)"	MPN/100ML	09/04/95	380
	GRTE0439	"COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)"	MPN/100ML	10/01/95	2400
		"FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)"	MPN/100ML	07/24/95	220
	GRTE0463	"COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)"	MPN/100ML	10/01/95	1700
	GRTE0612	"FECAL COLIFORM, MF,M-FC, 0.7 UM"	CFU/100ML	01/21/93	296
GRTE0681	"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	CFU/100ML	05/19/70	300	
Clarity/Turbidity	GRTE0298	"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	FTU	06/06/90	85
				06/08/90	130
				06/11/90	650
	GRTE0303	"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	FTU	06/06/90	80
				06/08/90	110
	GRTE0316	"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	FTU	06/11/90	550
GRTE0384	"TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	FTU	06/06/90	110	
			06/08/90	100	
GRTE0681	"TURBIDITY, (JACKSON CANDLE UNITS)"	JTU	06/11/90	500	
Dissolved Oxygen	GRTE0168	"OXYGEN, DISSOLVED MG/L"	MG/L	05/22/86	72
	GRTE0241	"OXYGEN, DISSOLVED MG/L"	MG/L	07/28/70	65
				06/19/82	0
	GRTE0336	"OXYGEN, DISSOLVED MG/L"	MG/L	07/22/82	1.4
				06/08/95	3
				07/06/95	1.6
				05/26/96	2
				07/12/96	2.1
				06/05/95	3.2
				07/07/95	2.7
	GRTE0346	"OXYGEN, DISSOLVED MG/L"	MG/L	08/21/95	2.5
				09/29/95	2.4
	GRTE0366	"OXYGEN, DISSOLVED MG/L"	MG/L	07/13/96	3.8
				08/16/96	2.7
	GRTE0367	"OXYGEN, DISSOLVED MG/L"	MG/L	09/14/98	3.2
				07/05/83	3.5
	GRTE0375	"OXYGEN, DISSOLVED MG/L"	MG/L	06/06/95	3.4
				07/07/95	2.1
	GRTE0391	"OXYGEN, DISSOLVED MG/L"	MG/L	08/22/95	2.5
				09/29/95	1.2
GRTE0428	"OXYGEN, DISSOLVED MG/L"	MG/L	07/12/96	3	
			08/17/96	3.1	
GRTE0483	"OXYGEN, DISSOLVED MG/L"	MG/L	08/22/47	3.3	
			05/26/96	2.6	
GRTE0511	"OXYGEN, DISSOLVED MG/L"	MG/L	07/13/96	1.9	
			08/15/96	1.3	
GRTE0518	"OXYGEN, DISSOLVED MG/L"	MG/L	07/18/55	0.79999	
			08/12/82	2	
Nitrate/Nitrogen	GRTE0687	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	MG/L	07/06/95	1.7
				08/21/95	3.1
pH	GRTE0086	"PH, LAB, STANDARD UNITS SU"	SU	09/28/95	3.1
				07/12/82	2.8
	GRTE0087	"PH, LAB, STANDARD UNITS SU"	SU	09/10/75	24
				09/08/76	5.6
	GRTE0089	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.3
				10/19/77	5.7
	GRTE0104	"PH, LAB, STANDARD UNITS SU"	SU	10/19/77	5.7
				10/22/77	6
	GRTE0105	"PH, LAB, STANDARD UNITS SU"	SU	09/07/76	6.4
				06/24/95	6.3
	GRTE0108	PH (STANDARD UNITS)	SU	07/07/95	6.35
				07/17/95	6.3
	GRTE0115	PH (STANDARD UNITS)	SU	06/24/95	6.1
				09/08/76	5.6
	GRTE0120	"PH, LAB, STANDARD UNITS SU"	SU	11/20/94	6.3
07/07/95				6.36	
GRTE0121	PH (STANDARD UNITS)	SU	07/17/95	6.43	
			11/01/94	6.1	
GRTE0125	PH (STANDARD UNITS)	SU			

Parameter Group	Station No.	Parameter Name	Units	Date	Value
				06/24/95	6.1
				07/07/95	6.38
	GRTE0132	PH (STANDARD UNITS)	SU	07/17/95	6.3
	GRTE0134	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0135	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.2
	GRTE0140	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.5
	GRTE0141	PH (STANDARD UNITS)	SU	06/24/95	6.1
	GRTE0148	"PH, LAB, STANDARD UNITS SU"	SU	10/18/77	5.5
	GRTE0149	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.5
	GRTE0154	"PH, FIELD, STANDARD UNITS SU"	SU	08/12/96	6
				08/13/96	6
				08/14/96	6
				08/15/96	6
				08/16/96	6
				08/17/96	6
				08/18/96	6
				08/19/96	6
				08/20/96	6
				08/21/96	6
				08/22/96	6
	GRTE0165	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.2
	GRTE0168	"PH, FIELD, STANDARD UNITS SU"	SU	06/19/82	6.2
				06/20/83	6.2
	GRTE0173	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.2
	GRTE0174	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0175	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0183	"PH, FIELD, STANDARD UNITS SU"	SU	08/12/96	5.8
				08/13/96	5.8
				08/14/96	5.8
				08/15/96	5.8
				08/16/96	5.8
				08/17/96	5.8
				08/18/96	5.8
				08/19/96	5.8
				08/20/96	5.8
	GRTE0184	"PH, FIELD, STANDARD UNITS SU"	SU	08/07/97	6.4
	GRTE0197	"PH, LAB, STANDARD UNITS SU"	SU	10/22/77	4.5
	GRTE0199	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	5.9
	GRTE0203	PH (STANDARD UNITS)	SU	07/22/95	6
	GRTE0206	PH (STANDARD UNITS)	SU	07/22/95	6
	GRTE0207	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.1
	GRTE0211	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.3
	GRTE0221	"PH, FIELD, STANDARD UNITS SU"	SU	06/28/82	6.4
	GRTE0226	"PH, LAB, STANDARD UNITS SU"	SU	10/22/77	6
	GRTE0230	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.3
	GRTE0234	PH (STANDARD UNITS)	SU	09/25/69	6.1
				11/11/69	6.2
				05/04/70	6.3
				10/16/70	6.2
	GRTE0248	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.1
	GRTE0255	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.3
	GRTE0259	"PH, FIELD, STANDARD UNITS SU"	SU	06/27/97	6
				07/09/97	5.7
				08/14/97	5.6
	GRTE0261	"PH, FIELD, STANDARD UNITS SU"	SU	07/09/97	5.7
				08/14/97	5.7
	GRTE0263	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6
	GRTE0265	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.3
	GRTE0266	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.1
	GRTE0270	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.1
	GRTE0271	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	5.8
	GRTE0272	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	5.9
	GRTE0281	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.1
	GRTE0287	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	5.9
	GRTE0292	"PH, FIELD, STANDARD UNITS SU"	SU	07/06/83	9.4
	GRTE0295	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6.3
	GRTE0302	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.2

Parameter Group	Station No.	Parameter Name	Units	Date	Value
	GRTE0304	"PH, LAB, STANDARD UNITS SU"	SU	09/07/76	6.1
	GRTE0330	"PH, LAB, STANDARD UNITS SU"	SU	09/05/76	6.3
	GRTE0334	"PH, LAB, STANDARD UNITS SU"	SU	10/23/77	6
	GRTE0337	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	27.8
	GRTE0345	"PH, LAB, STANDARD UNITS SU"	SU	09/06/76	6
	GRTE0347	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	9.4
	GRTE0353	"PH, FIELD, STANDARD UNITS SU"	SU	08/13/82	5.3
	GRTE0355	"PH, FIELD, STANDARD UNITS SU"	SU	08/13/83	5.8
	GRTE0367	"PH, FIELD, STANDARD UNITS SU"	SU	08/22/95	6.3
	GRTE0369	"PH, LAB, STANDARD UNITS SU"	SU	09/07/76	6.2
	GRTE0382	"PH, LAB, STANDARD UNITS SU"	SU	09/07/76	6.3
	GRTE0387	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	28.2
	GRTE0393	PH (STANDARD UNITS)	SU	07/10/75 07/22/75 07/31/75	6.3 6.3 6.3
	GRTE0395	"PH, FIELD, STANDARD UNITS SU"	SU	06/17/76 06/24/76 07/01/76 07/15/76 07/29/76 09/09/76	6.45 6.45 6.45 6.4 6.45 6.35
	GRTE0397	"PH, FIELD, STANDARD UNITS SU"	SU	06/05/96 08/16/96	39.6 18.7
	GRTE0401	"PH, LAB, STANDARD UNITS SU"	SU	09/07/76	6.1
	GRTE0406	PH (STANDARD UNITS)	SU	06/24/95 08/25/95	9.7 9.3
	GRTE0415	PH (STANDARD UNITS)	SU	07/10/75 07/16/75 07/22/75 07/31/75	6.3 6.3 6.4 6.3
	GRTE0417	"PH, FIELD, STANDARD UNITS SU"	SU	07/01/76 07/15/76 07/29/76 08/26/76 09/09/76	6.4 6.4 6.45 6.4 6.35
	GRTE0434	"PH, FIELD, STANDARD UNITS SU"	SU	07/13/96	9.2
	GRTE0446	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	27.9
	GRTE0454	"PH, FIELD, STANDARD UNITS SU"	SU	08/14/82	6.4
	GRTE0460	"PH, FIELD, STANDARD UNITS SU"	SU	08/15/82	6.4
	GRTE0463	PH (STANDARD UNITS)	SU	09/01/95	9.1
	GRTE0474	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	18.7
	GRTE0485	PH (STANDARD UNITS)	SU	07/10/75	6.4
	GRTE0496	"PH, FIELD, STANDARD UNITS SU"	SU	08/11/82	6.4
	GRTE0507	PH (STANDARD UNITS)	SU	07/10/75	6.3
	GRTE0511	"PH, FIELD, STANDARD UNITS SU"	SU	09/28/95	6.3
	GRTE0512	"PH, FIELD, STANDARD UNITS SU"	SU	07/11/83	6.2
	GRTE0516	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	9.3
	GRTE0518	"PH, FIELD, STANDARD UNITS SU"	SU	06/16/82 07/12/82 08/23/82	11.9 6 6
	GRTE0522	PH (STANDARD UNITS)	SU	07/10/75	6.4
	GRTE0534	"PH, FIELD, STANDARD UNITS SU"	SU	08/16/96	18.4
	GRTE0552	"PH, LAB, STANDARD UNITS SU"	SU	09/08/78	5.5
	GRTE0555	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.7
	GRTE0556	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	5.6
	GRTE0557	"PH, LAB, STANDARD UNITS SU"	SU	09/07/78	5.5
	GRTE0558	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.3
	GRTE0559	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.3
	GRTE0560	"PH, LAB, STANDARD UNITS SU"	SU	09/08/78	5.9
	GRTE0561	"PH, LAB, STANDARD UNITS SU"	SU	09/08/78	5.5
	GRTE0562	"PH, LAB, STANDARD UNITS SU"	SU	09/08/78	5.7
	GRTE0563	PH (STANDARD UNITS)	SU	09/03/78	5.9
	GRTE0564	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.5
	GRTE0565	PH (STANDARD UNITS)	SU	09/04/78	5.9
	GRTE0566	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.3
	GRTE0567	PH (STANDARD UNITS)	SU	09/03/78	5.8

Parameter Group	Station No.	Parameter Name	Units	Date	Value
	GRTE0568	PH (STANDARD UNITS)	SU	09/03/78	5.8
	GRTE0569	PH (STANDARD UNITS)	SU	09/03/78	5.7
	GRTE0570	PH (STANDARD UNITS)	SU	09/03/78	5.9
	GRTE0571	PH (STANDARD UNITS)	SU	09/04/78	5.8
	GRTE0572	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.3
	GRTE0573	"PH, LAB, STANDARD UNITS SU"	SU	09/06/78	5.7
	GRTE0574	"PH, LAB, STANDARD UNITS SU"	SU	09/06/78	5.8
	GRTE0575	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.7
	GRTE0576	"PH, LAB, STANDARD UNITS SU"	SU	09/10/78	6
	GRTE0577	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.5
	GRTE0579	"PH, LAB, STANDARD UNITS SU"	SU	09/10/78	6.2
	GRTE0580	"PH, LAB, STANDARD UNITS SU"	SU	09/10/78	6
	GRTE0581	"PH, LAB, STANDARD UNITS SU"	SU	09/10/78	6.2
	GRTE0582	"PH, LAB, STANDARD UNITS SU"	SU	09/07/78	5.5
	GRTE0583	"PH, LAB, STANDARD UNITS SU"	SU	09/06/78	5.6
	GRTE0584	"PH, LAB, STANDARD UNITS SU"	SU	09/06/78	5.7
	GRTE0585	"PH, LAB, STANDARD UNITS SU"	SU	09/06/78	6
	GRTE0586	PH (STANDARD UNITS)	SU	09/04/78	5.7
	GRTE0587	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.3
	GRTE0590	PH (STANDARD UNITS)	SU	09/04/78	5.7
	GRTE0592	PH (STANDARD UNITS)	SU	09/04/78	5.8
	GRTE0593	"PH, LAB, STANDARD UNITS SU"	SU	09/07/78	5.5
	GRTE0594	PH (STANDARD UNITS)	SU	09/04/78	5.9
	GRTE0597	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.2
	GRTE0598	PH (STANDARD UNITS)	SU	09/07/78	5.9
	GRTE0599	PH (STANDARD UNITS)	SU	09/07/78	5.7
	GRTE0600	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.3
	GRTE0601	"PH, LAB, STANDARD UNITS SU"	SU	09/06/78	5.7
	GRTE0602	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6.1
	GRTE0603	"PH, LAB, STANDARD UNITS SU"	SU	09/12/78	6
	GRTE0604	"PH, LAB, STANDARD UNITS SU"	SU	09/07/78	5.5
	GRTE0606	"PH, LAB, STANDARD UNITS SU"	SU	09/13/78	6.4
	GRTE0607	PH (STANDARD UNITS)	SU	09/08/78	5.5
	GRTE0608	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	4.8
	GRTE0609	PH (STANDARD UNITS)	SU	09/07/78	6.2
	GRTE0610	"PH, LAB, STANDARD UNITS SU"	SU	09/13/78	6.4
	GRTE0614	PH (STANDARD UNITS)	SU	09/07/78	6
	GRTE0615	PH (STANDARD UNITS)	SU	09/07/78	5.9
	GRTE0616	PH (STANDARD UNITS)	SU	09/07/78	5.9
	GRTE0617	"PH, LAB, STANDARD UNITS SU"	SU	09/13/78	5.7
	GRTE0618	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	5.5
	GRTE0619	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	5.1
	GRTE0621	PH (STANDARD UNITS)	SU	09/07/78	6
	GRTE0622	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	5.4
	GRTE0626	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	5
	GRTE0630	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	5.1
	GRTE0633	"PH, LAB, STANDARD UNITS SU"	SU	09/13/78	6.2
	GRTE0635	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	5.7
	GRTE0638	"PH, LAB, STANDARD UNITS SU"	SU	09/13/78	6.4
	GRTE0641	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	6.3
	GRTE0644	PH (STANDARD UNITS)	SU	09/13/78	5.8
	GRTE0645	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	5.5
	GRTE0655	PH (STANDARD UNITS)	SU	09/13/78	5.9
	GRTE0656	"PH, LAB, STANDARD UNITS SU"	SU	09/13/78	6.4
	GRTE0669	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	5.5
	GRTE0670	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	5.5
	GRTE0671	"PH, LAB, STANDARD UNITS SU"	SU	09/04/78	6.1
	GRTE0678	"PH, LAB, STANDARD UNITS SU"	SU	09/14/78	5.3
Sulfates	GRTE0531	"SULFATE, TOTAL (MG/L AS SO4)"	MG/L	10/14/77	590
	GRTE0533	"SULFATE, TOTAL (MG/L AS SO4)"	MG/L	10/14/77	660
	GRTE0536	"SULFATE, TOTAL (MG/L AS SO4)"	MG/L	10/14/77	650
Toxic Elements	GRTE0086	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/08/76	9
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	127
	GRTE0087	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/08/76	8
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	72

Parameter Group	Station No.	Parameter Name	Units	Date	Value		
	GRTE0100	"P,P'-DDE DISSUG/L"	UG/L	09/10/96	0.006		
				10/22/96	0.006		
				02/11/97	0.006		
				04/30/97	0.006		
				05/21/97	0.006		
				06/20/97	0.006		
				07/11/97	0.006		
				10/20/97	0.006		
				06/05/98	0.006		
				11/17/98	0.006		
				05/25/99	0.006		
				DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	UG/L	09/10/96	0.001
						10/22/96	0.001
						02/11/97	0.001
						04/30/97	0.001
						05/21/97	0.001
						06/10/97	0.001
						06/20/97	0.001
						07/11/97	0.001
		10/20/97	0.001				
	06/05/98	0.001					
	11/17/98	0.001					
	05/25/99	0.001					
	GRTE0105	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/07/76	5		
	GRTE0120	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	85		
	GRTE0135	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	105		
	GRTE0140	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	107		
	GRTE0165	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	73		
	GRTE0173	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	33		
	GRTE0174	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	9		
		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/12/76	5		
	GRTE0175	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	28		
	GRTE0199	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/06/76	4		
	GRTE0248	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/06/76	4		
	GRTE0263	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/06/76	80		
	GRTE0265	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/06/76	4		
	GRTE0272	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/06/76	10		
	GRTE0273	"CADMIUM, DISSOLVED (UG/L AS CD)"	UG/L	06/25/92	10		
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	06/25/92	0.1		
	GRTE0277	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/06/76	36		
		"NICKEL, DISSOLVED (UG/L AS NI)"	UG/L	09/06/76	66		
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/06/76	135		
	GRTE0281	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/08/76	58		
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	356		
	GRTE0345	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/06/76	4		
	GRTE0373	"ARSENIC, TOTAL (UG/L AS AS)"	UG/L	08/02/90	22		
			UG/L	07/16/92	24		
			UG/L	08/02/90	0.2		
			UG/L	07/16/92	0.2		
	GRTE0384	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	08/17/95	18		
		"ARSENIC, TOTAL (UG/L AS AS)"	UG/L	08/17/95	27		
			UG/L	07/16/98	9		
		"MERCURY, TOTAL (UG/L AS HG)"	UG/L	08/17/95	0.2		
			UG/L	07/16/98	0.2		
	GRTE0390	"ARSENIC, TOTAL (UG/L AS AS)"	UG/L	08/02/90	11		
			UG/L	07/16/92	12		
			UG/L	08/17/95	10		
			UG/L	07/16/98	9		
			UG/L	08/02/90	0.2		
			UG/L	07/16/92	0.2		
			UG/L	08/17/95	0.2		
			UG/L	07/16/98	0.2		
	GRTE0521	"CADMIUM, DISSOLVED (UG/L AS CD)"	UG/L	06/24/92	10		
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	06/24/92	0.1		
	GRTE0549	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	11/02/68	20		
	GRTE0611	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	10/04/88	73		
		"CADMIUM, DISSOLVED (UG/L AS CD)"	UG/L	10/04/88	5		

Parameter Group	Station No.	Parameter Name	Units	Date	Value
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	10/04/88	1
		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	10/04/88	5
	GRTE0612	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	11/24/87	43
				03/16/88	44
				05/03/88	30
				05/13/88	39
				07/13/88	39
				11/17/88	23
				03/21/89	45
				05/16/89	10
				11/09/89	40
				03/22/90	42
				05/24/90	8
				09/19/90	38
				11/20/90	36
				03/18/91	44
				05/22/91	8
				09/24/91	38
				11/12/91	36.1
				03/09/92	42
				05/19/92	10
				09/15/92	55
				11/09/92	43
				03/10/93	52
				05/13/93	8
				09/16/93	38
		"ARSENIC, TOTAL (UG/L AS AS)"	UG/L	02/15/89	47
		"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	03/16/88	8
				05/16/89	8
				03/22/90	10
				05/19/92	11
		"LEAD, DISSOLVED (UG/L AS PB)"	UG/L	09/14/88	5
				11/17/88	5
				03/22/90	20
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	11/24/87	0.1
				03/16/88	4.4
				05/03/88	0.2
				09/14/88	0.1
				11/17/88	0.1
				03/21/89	0.1
				05/16/89	0.1
				09/14/89	0.1
				11/09/89	0.3
				03/22/90	0.2
				05/24/90	0.2
				09/19/90	0.1
				11/20/90	0.1
				03/18/91	0.1
				05/22/91	0.1
				09/24/91	0.1
				11/12/91	0.1
				03/09/92	0.1
				05/19/92	0.1
				09/15/92	0.1
				11/09/92	0.1
				03/10/93	0.1
				05/13/93	0.1
				09/16/93	0.1
		"P,P'-DDE DISSUG/L"	UG/L	05/23/94	0.006
				06/14/94	0.006
				01/18/96	0.006
				10/31/96	0.006
				01/30/97	0.006
				10/22/97	0.006
		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	UG/L	05/23/94	0.001
				06/14/94	0.001
				01/18/96	0.001
				10/31/96	0.001

Parameter Group	Station No.	Parameter Name	Units	Date	Value
				01/30/97	0.001
				10/22/97	0.001
	GRTE0660	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	10/04/88	56
		"CADMIUM, DISSOLVED (UG/L AS CD)"	UG/L	10/04/88	5
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	10/04/88	1
		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	10/04/88	5
	GRTE0681	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	05/08/70	30
				05/25/70	20
				07/20/70	20
				07/31/70	20
		DDE IN WHOLE WATER SAMPLE (UG/L)	UG/L	07/20/70	0.03
		DDT IN WHOLE WATER SAMPLE (UG/L)	UG/L	07/20/70	0.02
	GRTE0688	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	09/26/96	12
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	09/26/96	0.1
	GRTE0690	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	09/26/96	12
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	09/26/96	0.1
	GRTE0694	"ARSENIC, DISSOLVED (UG/L AS AS)"	UG/L	09/26/96	16
		"CADMIUM, DISSOLVED (UG/L AS CD)"	UG/L	09/26/96	5
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	09/26/96	0.1
	GRTE0698	"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	09/25/96	0.1



**APPENDIX D-1** No. Of Data Records In Each Parameter Group For Each Site In  
Gros Ventre Sub-basin

**Appendix D-1.** No. of data records in each parameter group for each site in the Gros Ventre sub-basin.

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0036	4							6	4	4	6		34
GRTE0037	3				91		92	2	1	1	2	90	6
GRTE0038	2								2	2	8	2	26
GRTE0047							2			2			
GRTE0052	6				2		2	4	2		6	2	16
GRTE0059	4							6	4	4	6		34
GRTE0060					2				2	2		2	56
GRTE0061					2				2	2		2	56
GRTE0062					2				2	2		2	56
GRTE0063					2				2	2		2	56
GRTE0065	6				4	5			4		8	2	22
GRTE0066					2				2	2		2	56
GRTE0067	2				1		1	1	1		3	1	7
GRTE0068							2					2	
GRTE0069	6				2		2	4	2		4	2	18
GRTE0071					2				2	2		2	56
GRTE0072	12				4		4	4	4		10	4	34
GRTE0074	12					8		16	12	8	20		106
GRTE0076					2				2	2		2	56
GRTE0079					2				2	2		2	56
GRTE0080					2				2	2		2	56
GRTE0082					2				2	2		2	56
GRTE0084					2				2	2		2	56
GRTE0102					2				2			2	2
GRTE0103					2				2			2	2
GRTE0107					2				2	2		2	56
GRTE0117					2				2	2			56
GRTE0118					2				2	2		2	56
GRTE0122					2				2	2		2	56
GRTE0139					2				2	2		2	56
GRTE0142					2				2			2	2
GRTE0144					2				2			2	2

**APPENDIX D-2** No. Of Years In Record For Each Parameter Group For Each Site In Gros Ventre Sub-basin

**Appendix D-2.** No. of years with data in each parameter group in Gros Ventre sub-basin. Columns at right side of table indicate stations with data from more than 2 years. Note that years with data are not necessarily consecutive.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in 2 or more groups
GRTE0036	1							1	1	1	1		1		
GRTE0037	1				11		11	1	1	1	1	11	1	X	X
GRTE0038	1								1	1	2	1	2		
GRTE0047							1			1					
GRTE0052	1				1		1	1	1		1	1	1		
GRTE0059	1							1	1	1	1		1		
GRTE0060					1				1	1		1	1		
GRTE0061					1				1	1		1	1		
GRTE0062					1				1	1		1	1		
GRTE0063					1				1	1		1	1		
GRTE0065	2				2	2			2		2	1	2		
GRTE0066					1				1	1		1	1		
GRTE0067	1				1		1	1	1		1	1	1		
GRTE0068							1					1			
GRTE0069	1				1		1	1	1		1	1	1		
GRTE0071					1				1	1		1	1		
GRTE0072	1				1		1	1	1		1	1	1		
GRTE0074	3					2		2	3	2	3		3	X	X
GRTE0076					1				1	1		1	1		
GRTE0079					1				1	1		1	1		
GRTE0080					1				1	1		1	1		
GRTE0082					1				1	1		1	1		
GRTE0084					1				1	1		1	1		
GRTE0102					1				1			1	1		
GRTE0103					1				1			1	1		
GRTE0107					1				1	1		1	1		
GRTE0117					1				1	1			1		
GRTE0118					1				1	1		1	1		
GRTE0122					1				1	1		1	1		
GRTE0139					1				1	1		1	1		
GRTE0142					1				1			1	1		
GRTE0144					1				1			1	1		

**APPENDIX D-3** Year With Most Recent Data In Each Parameter Group For Each Site In Gros Ventre Sub-basin

**Appendix D-3.** Year with most recent data in each parameter group for each site in Gros Ventre sub-basin.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0036	1972							1972	1972	1972	1972		1972
GRTE0037	1973				1996		1996	1973	1973	1973	1973	1996	1973
GRTE0038	1964								1964	1964	1967	1964	1967
GRTE0047							1997			1997			
GRTE0052	1973				1973		1973	1973	1973		1973	1973	1973
GRTE0059	1972							1972	1972	1972	1972		1972
GRTE0060					1976				1976	1976		1976	1976
GRTE0061					1976				1976	1976		1976	1976
GRTE0062					1976				1976	1976		1976	1976
GRTE0063					1976				1976	1976		1976	1976
GRTE0065	1963				1963	1963			1963		1963	1963	1963
GRTE0066					1976				1976	1976		1976	1976
GRTE0067	1965				1965		1965	1965	1965		1965	1965	1965
GRTE0068							1971					1971	
GRTE0069	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0071					1976				1976	1976		1976	1976
GRTE0072	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0074	1974					1973		1973	1974	1973	1974		1974
GRTE0076					1976				1976	1976		1976	1976
GRTE0079					1976				1976	1976		1976	1976
GRTE0080					1976				1976	1976		1976	1976
GRTE0082					1976				1976	1976		1976	1976
GRTE0084					1976				1976	1976		1976	1976
GRTE0102					1976				1976			1976	1976
GRTE0103					1976				1976			1976	1976
GRTE0107					1976				1976	1976		1976	1976
GRTE0117					1976				1976	1976			1976
GRTE0118					1976				1976	1976		1976	1976
GRTE0122					1976				1976	1976		1976	1976
GRTE0139					1976				1976	1976		1976	1976
GRTE0142					1976				1976			1976	1976
GRTE0144					1976				1976			1976	1976

**APPENDIX D-4** Summary Data For Individual Site / Parameter Combinations In  
Gros Ventre Sub-basin

**Appendix D-4.** No. of samples, mean and standard deviation of parameter values for all sampling locations in Gros Ventre sub-basin.

Station	Parameter Group	Parameter Name	N	Mean	SD
GRTE0036	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	ND	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	4	0.01	0.007
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	2	0.02	
	pH	PH (STANDARD UNITS)	4	8	0.3
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	4	0.005	0.006
	Sulfates	"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	4	275	15
		"SULFATE, TOTAL (MG/L AS SO4)"	2	57	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	4	55	2.3
		"COPPER, DISSOLVED (UG/L AS CU)"	4	3	1.2
		"IRON, DISSOLVED (UG/L AS FE)"	4	36	18
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	13	2.3
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	1.4	0.2
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	8.2	0.9
		"SODIUM, PERCENT"	4	8.5	0.4
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	5	
	SODIUM ADSORPTION RATIO	4	0.3	0.04	
GRTE0037	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	140	
		BICARBONATE ION (MG/L AS HCO3)	1	162	
		CARBONATE ION (MG/L AS CO3)	1	4	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	91	361	70
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	92	367	734
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	ND	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	ND	
	pH	PH (STANDARD UNITS)	1	8.5	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.01	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	200	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	70	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	90	9.5	5.3
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	1	57	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	13	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	1.2	
"SODIUM, DISSOLVED (MG/L AS NA)"		1	7.5		
"SODIUM, PERCENT"		1	8		
SODIUM ADSORPTION RATIO		1	0.2		
GRTE0038	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	2	
	pH	PH (STANDARD UNITS)	2	8.4	
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	2	0.02	
	Sulfates	"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	4	245	15
		"SULFATE, TOTAL (MG/L AS SO4)"	4	66	8
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	4	56	1.8
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		4	18	1.6	
"POTASSIUM, DISSOLVED (MG/L AS K)"		4	1.1	1.1	



Station	Parameter Group	Parameter Name	N	Mean	SD
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	17	8.9
		"SODIUM, PERCENT"	4	15	6.4
		SODIUM ADSORPTION RATIO	4	0.5	0.2
GRTE0047	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	300	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.05	
GRTE0052	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	134	
		BICARBONATE ION (MG/L AS HCO3)	2	163	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	1730	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	1.8	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.1	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.5	
	pH	PH (STANDARD UNITS)	2	8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	1100	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	1560	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	990	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	70	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	380	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	47	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.4	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	23	
		"SODIUM, PERCENT"	2	4	
		SODIUM ADSORPTION RATIO	2	0.3	
GRTE0059	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	8.5	9.8
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	4	0.01	0.007
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	2	0.004	
	pH	PH (STANDARD UNITS)	4	7.7	0.6
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	4	0.005	0.006
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	4	264	21
		"SULFATE, TOTAL (MG/L AS SO4)"	2	60	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	4	55	3.3
		"COPPER, DISSOLVED (UG/L AS Cu)"	4	1	1.2
		"IRON, DISSOLVED (UG/L AS Fe)"	4	6010	6917
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	4	11	0.4
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	1.4	0.2
		"SODIUM, DISSOLVED (MG/L AS Na)"	4	8.2	0.9
		"SODIUM, PERCENT"	4	8.7	0.6
		"ZINC, DISSOLVED (UG/L AS Zn)"	2	5	
		SODIUM ADSORPTION RATIO	4	0.3	0.04
GRTE0060	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	2600	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS Al)"	2	148	
		"BARIUM, DISSOLVED (UG/L AS Ba)"	2	98	

Station	Parameter Group	Parameter Name	N	Mean	SD
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	562	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	1344	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	51	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	34	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	155	
		"IRON, DISSOLVED (UG/L AS FE)"	2	130	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	91	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	218	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	54	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	15	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	33	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	5.4	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	34	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	19899	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	18	
		"URANIUM, NATURAL, DISSOLVED"	2	2.7	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	10	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	3	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	93	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	15	
GRTE0061	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	400	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	21	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	46	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	18	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	96	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	64	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	4	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	22	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.1	

Station	Parameter Group	Parameter Name	N	Mean	SD
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.5	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	380	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	14	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0062	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	136	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	42	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	16	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	67	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	14	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	5	
		"IRON, DISSOLVED (UG/L AS FE)"	2	113	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	18	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	5	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	122	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	10	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	24	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0063	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	220	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	

Station	Parameter Group	Parameter Name	N	Mean	SD		
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	242			
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	40			
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1			
		"BORON, DISSOLVED (UG/L AS B)"	2	13			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	61			
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30			
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	19			
		"COBALT, DISSOLVED (UG/L AS CO)"	2	9			
		"COPPER, DISSOLVED (UG/L AS CU)"	2	10			
		"IRON, DISSOLVED (UG/L AS FE)"	2	137			
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	17			
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	6			
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4			
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	12			
		"NIOBIUM, DISSOLVED UG/L"	2	4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.2			
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
		"SILVER, DISSOLVED (UG/L AS AG)"	2	6			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	0.9			
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	111			
		"THORIUM, DISSOLVED IN WATER UG/L"	2	21			
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2			
		"URANIUM, NATURAL, DISSOLVED"	2	0.1			
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	8			
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	27			
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	8			
		GRTE0065	Alkalinity	"ALKALINITY, CARBONATE (MG/L AS CaCO3)"	2	82	
				"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	2.9	0.2
Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		4	325	<0.0001		
Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"		4	8.2	<0.0001		
	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"		1	76			
pH	PH (STANDARD UNITS)		4	8.1	<0.0001		
Sulfates	"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"		4	228	<0.0001		
	"SULFATE, TOTAL (MG/L AS SO4)"		4	34	0.2		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		2	12			
Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"		4	45	<0.0001		
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"		4	7.8	6.7		
	"POTASSIUM, DISSOLVED (MG/L AS K)"		2	1			
	"SODIUM, DISSOLVED (MG/L AS NA)"	4	1.5	0.6			
	"SODIUM, PERCENT"	4	2.3	0.5			
	SODIUM ADSORPTION RATIO	4	0.05	0.02			
GRTE0066	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250			
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10			

Station	Parameter Group	Parameter Name	N	Mean	SD		
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	128			
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	41			
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1			
		"BORON, DISSOLVED (UG/L AS B)"	2	11			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	64			
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30			
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	5			
		"COBALT, DISSOLVED (UG/L AS CO)"	2	7			
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2			
		"IRON, DISSOLVED (UG/L AS FE)"	2	98			
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	4			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	18			
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4			
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4			
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	11			
		"NIOBIUM, DISSOLVED UG/L"	2	4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.5			
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	0.9			
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	116			
		"THORIUM, DISSOLVED IN WATER UG/L"	2	8			
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2			
		"URANIUM, NATURAL, DISSOLVED"	2	0.1			
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2			
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	22			
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
		GRTE0067	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	1	116	
				CARBONATE ION (MG/L AS CO3)	1	ND	
Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		1	240			
Flow	"FLOW, STREAM, MEAN DAILY CFS"		1	1540			
Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"		1	ND			
pH	PH (STANDARD UNITS)		1	8			
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"		1	115			
	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"		1	134			
	"SULFATE, TOTAL (MG/L AS SO4)"		1	19			
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		1	14			
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"		1	ND			
	"CALCIUM, DISSOLVED (MG/L AS CA)"		1	29			
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"		1	11			
	"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.6				
	"SODIUM, DISSOLVED (MG/L AS NA)"	1	2.3				
	IRON (UG/L AS FE)	1	60				
	SODIUM ADSORPTION RATIO	1	0.1				
GRTE0068	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	6.9			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	19			

Station	Parameter Group	Parameter Name	N	Mean	SD
GRTE0069	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	149	
		BICARBONATE ION (MG/L AS HCO3)	2	182	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	413	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	4.9	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.1	
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.06	
	pH	PH (STANDARD UNITS)	2	7.8	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	200	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	73	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	20	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	53	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	10	
		"IRON, TOTAL (UG/L AS Fe)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	17	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.7	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	5.9	
		"SODIUM, PERCENT"	2	6	
		SODIUM ADSORPTION RATIO	2	0.2	
GRTE0071	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	340	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4	
	Phosphate/Phosphorus	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS Al)"	2	125	
		"BARIUM, DISSOLVED (UG/L AS Ba)"	2	81	
		"BERYLLIUM, DISSOLVED (UG/L AS Be)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	35	
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	92	
		"CERIUM, DISSOLVED (UG/L AS Ce)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS Cr)"	2	4	
		"COBALT, DISSOLVED (UG/L AS Co)"	2	2	
		"COPPER, DISSOLVED (UG/L AS Cu)"	2	2	
		"IRON, DISSOLVED (UG/L AS Fe)"	2	82	
		"LITHIUM, DISSOLVED (UG/L AS Li)"	2	9	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	21	
		"MANGANESE, DISSOLVED (UG/L AS Mn)"	2	6	
		"MOLYBDENUM, DISSOLVED (UG/L AS Mo)"	2	17	
		"NICKEL, DISSOLVED (UG/L AS Ni)"	2	12	
		"NIOBIUM, DISSOLVED UG/L"	2	37	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.3	
		"SCANDIUM, DISSOLVED (UG/L AS Sc)"	2	1	
		"SILVER, DISSOLVED (UG/L AS Ag)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	10	
		"STRONTIUM, DISSOLVED (UG/L AS Sr)"	2	843	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS Ti)"	2	2	

Station	Parameter Group	Parameter Name	N	Mean	SD
		"URANIUM, NATURAL, DISSOLVED"	2	0.7	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	14	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0072	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	112	22
		BICARBONATE ION (MG/L AS HCO3)	4	137	27
		CARBONATE ION (MG/L AS CO3)	4	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	300	96
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	1323	1221
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.4	
		"NITRITE PLUS NITRATE, DISS. I DET. (MG/L AS N)"	2	0.01	
	pH	PH (STANDARD UNITS)	4	8.1	0.1
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	140	46
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	144	
		"SULFATE, TOTAL (MG/L AS SO4)"	4	46	29
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7	<0.0001
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	25	5.8
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	4	42	10
		"IRON, DISSOLVED (UG/L AS Fe)"	2	10	
		"IRON, TOTAL (UG/L AS Fe)"	4	10	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	4	8.7	5
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	1.1	0.06
		"SODIUM, DISSOLVED (MG/L AS Na)"	4	7.3	0.2
		"SODIUM, PERCENT"	4	11	2.9
		SODIUM ADSORPTION RATIO	4	0.3	0.06
GRTE0074	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	12	1.7	2.5
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	8	8.6	1.2
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	8	0.09	0.1
		"NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)"	4	ND	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	4	0.006	<0.0001
	pH	PH (STANDARD UNITS)	12	7.6	0.4
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	8	0.003	0.005
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	12	234	54
		"SULFATE, TOTAL (MG/L AS SO4)"	8	58	26
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	12	107	34
		"CALCIUM, DISSOLVED (MG/L AS Ca)"	6	51	7.2
		"COPPER, DISSOLVED (UG/L AS Cu)"	8	1	1.1
		"IRON, DISSOLVED (UG/L AS Fe)"	8	8	5.2
		"LEAD, DISSOLVED (UG/L AS Pb)"	4	0.5	0.05
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	8	23	22
		"MANGANESE, DISSOLVED (UG/L AS Mn)"	12	ND	
		"MOLYBDENUM, DISSOLVED (UG/L AS Mo)"	12	0.7	1
		"POTASSIUM, DISSOLVED (MG/L AS K)"	8	2.5	3.9
		"SODIUM, DISSOLVED (MG/L AS Na)"	8	5.8	6.1
		"SODIUM, PERCENT"	6	3.3	4.3
		"ZINC, DISSOLVED (UG/L AS ZN)"	8	9.2	6.2

Station	Parameter Group	Parameter Name	N	Mean	SD	
		SODIUM ADSORPTION RATIO		6	0.1	
GRTE0076	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		2	700	
	pH	"PH, LAB, STANDARD UNITS SU"		2	6.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"		2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		2	11	
	Toxic Elements		"ALUMINUM, DISSOLVED (UG/L AS AL)"		2	167
			"BARIUM, DISSOLVED (UG/L AS BA)"		2	360
			"BERYLLIUM, DISSOLVED (UG/L AS BE)"		2	1
			"BORON, DISSOLVED (UG/L AS B)"		2	381
			"CALCIUM, DISSOLVED (MG/L AS CA)"		2	416
			"CERIUM, DISSOLVED (UG/L AS CE)"		2	30
			"CHROMIUM, DISSOLVED (UG/L AS CR)"		2	4
			"COBALT, DISSOLVED (UG/L AS CO)"		2	2
			"COPPER, DISSOLVED (UG/L AS CU)"		2	10
			"IRON, DISSOLVED (UG/L AS FE)"		2	263
			"LITHIUM, DISSOLVED (UG/L AS LI)"		2	76
			"MAGNESIUM, DISSOLVED (MG/L AS MG)"		2	87
			"MANGANESE, DISSOLVED (UG/L AS MN)"		2	34
			"MOLYBDENUM, DISSOLVED (UG/L AS MO)"		2	13
			"NICKEL, DISSOLVED (UG/L AS NI)"		2	11
			"NIOBIUM, DISSOLVED UG/L"		2	4
			"POTASSIUM, DISSOLVED (MG/L AS K)"		2	5.9
			"SCANDIUM, DISSOLVED (UG/L AS SC)"		2	1
			"SILVER, DISSOLVED (UG/L AS AG)"		2	2
			"SODIUM, DISSOLVED (MG/L AS NA)"		2	87
			"STRONTIUM, DISSOLVED (UG/L AS SR)"		2	7932
			"THORIUM, DISSOLVED IN WATER UG/L"		2	5
			"TITANIUM, DISSOLVED (UG/L AS TI)"		2	7
			"URANIUM, NATURAL, DISSOLVED"		2	3
			"VANADIUM, DISSOLVED (UG/L AS V)"		2	8
			"YTTRIUM, DISSOLVED (UG/L AS Y)"		2	1
			"ZINC, DISSOLVED (UG/L AS ZN)"		2	51
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"		2	2	
	GRTE0079	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		2	380
pH		"PH, LAB, STANDARD UNITS SU"		2	6.3	
Phosphate/Phosphorous		"PHOSPHORUS, DISSOLVED (MG/L AS P)"		2	0.08	
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		2	10	
Toxic Elements			"ALUMINUM, DISSOLVED (UG/L AS AL)"		2	23
			"BARIUM, DISSOLVED (UG/L AS BA)"		2	199
			"BERYLLIUM, DISSOLVED (UG/L AS BE)"		2	1
			"BORON, DISSOLVED (UG/L AS B)"		2	55
			"CALCIUM, DISSOLVED (MG/L AS CA)"		2	89
			"CERIUM, DISSOLVED (UG/L AS CE)"		2	30
			"CHROMIUM, DISSOLVED (UG/L AS CR)"		2	4
			"COBALT, DISSOLVED (UG/L AS CO)"		2	2
			"COPPER, DISSOLVED (UG/L AS CU)"		2	2
	"IRON, DISSOLVED (UG/L AS FE)"		2	84		



Station	Parameter Group	Parameter Name	N	Mean	SD
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	19	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	8	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	18	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	504	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.9	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	58	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0080	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	440	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.07	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	89	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	93	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	54	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	65	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	76	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	20	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	15	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	3	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	5	
		"NIOBIUM, DISSOLVED UG/L"	2	36	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.7	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	24	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	417	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	

Station	Parameter Group	Parameter Name	N	Mean	SD
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	7	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0082	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	800	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.06	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	86	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	52	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	39	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	30	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	194	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	45	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	22	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	17	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	14	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	8.2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	179	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	307	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	18	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	8.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	11	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	12	
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	10		
GRTE0084	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	500	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.08	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	148	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	29	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	20	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	16	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	43	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	6	
	"COBALT, DISSOLVED (UG/L AS CO)"	2	10		

Station	Parameter Group	Parameter Name	N	Mean	SD
		"COPPER, DISSOLVED (UG/L AS CU)"	2	5	
		"IRON, DISSOLVED (UG/L AS FE)"	2	175	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	23	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	10	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	6	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	10	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	4.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	6	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	95	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	162	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	15	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	5	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	13	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	14	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0102	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	280	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9	
GRTE0103	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	310	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9	
GRTE0107	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	260	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	58	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	104	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	21	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	78	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	64	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	6	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	18	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	19	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	

Station	Parameter Group	Parameter Name	N	Mean	SD
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	9.1	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	290	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.9	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	6	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	29	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0117	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	240	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	135	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	100	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	25	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	72	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	6	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	16	
		"IRON, DISSOLVED (UG/L AS FE)"	2	112	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	5	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	17	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	21	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	7	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	8	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.4	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	8.3	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	271	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
	"URANIUM, NATURAL, DISSOLVED"	2	0.4		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	30		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	8		
GRTE0118	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	300	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	

Station	Parameter Group	Parameter Name	N	Mean	SD
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	85	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	155	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	31	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	114	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	72	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	8	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	27	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	29	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	6	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	24	
		"NIOBIUM, DISSOLVED UG/L"	2	6	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	14	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	426	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.5	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
"ZINC, DISSOLVED (UG/L AS ZN)"	2	20			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	12			
GRTE0122	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	480	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.07	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	89	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	92	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	82	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	89	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	61	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	54	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	13	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	7	
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4		

Station	Parameter Group	Parameter Name	N	Mean	SD
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	9	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	91	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	421	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	10	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0139	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	500	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.08	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	120	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	95	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	86	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	91	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	38	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	76	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	57	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	13	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	15	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	13	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	96	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	433	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.5	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	8	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	11	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	19	
GRTE0142	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	300	

Station	Parameter Group	Parameter Name	N	Mean	SD
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
GRTE0144	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	

**APPENDIX D-5** Water Quality Standard Violations In Gros Ventre Sub-basin



## Appendix D-5. Water quality parameter exceedances for Gros Ventre sub-basin.

Parameter Group	Station No.	Parameter Name	Units	Date	Value
pH	GRTE0060	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	5.8
	GRTE0062	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.3
	GRTE0063	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.3
	GRTE0066	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.4
	GRTE0071	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.4
	GRTE0079	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.3
	GRTE0084	"PH, LAB, STANDARD UNITS SU"	SU	09/10/76	6.3
	GRTE0103	"PH, LAB, STANDARD UNITS SU"	SU	09/10/76	6.4
	GRTE0107	"PH, LAB, STANDARD UNITS SU"	SU	09/10/76	6.3
	GRTE0117	"PH, LAB, STANDARD UNITS SU"	SU	09/10/76	6.1
	GRTE0118	"PH, LAB, STANDARD UNITS SU"	SU	09/10/76	6.3
Sulfates	GRTE0052	"SULFATE, TOTAL (MG/L AS SO4)"	MG/L	09/26/73	990
Toxic Elements	GRTE0060	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	155
		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/12/76	4
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	93
	GRTE0062	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/12/76	5
	GRTE0063	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	10
		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/12/76	6
	GRTE0076	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/10/76	10
	GRTE0084	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/10/76	6
GRTE0117	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/10/76	16	

**APPENDIX E-1** No. Of Data Records In Each Parameter Group For Each Site In  
Grays Hoback Sub-basin

**Appendix E-1.** No. of data records in each parameter group for each site in the Grays Hoback sub-basin.

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0001				4			2	4		2			16
GRTE0002	6				2		2	4	2	2	4	2	12
GRTE0003	28	8		22	20	27		68	28	28	56	28	52
GRTE0004					2				2			2	2
GRTE0005				4			2	4		2			22
GRTE0006				2				4		2			14
GRTE0007				2		2			2				
GRTE0008	15			44	12	21	20	59	20	16	40	16	39
GRTE0009	28	14		22	20	27		68	28	28	56	28	52
GRTE0010	22			18	16	20		50	22	22	44	16	40
GRTE0011	6				16		18	3	2	1	5	16	14
GRTE0012					2				2	2		2	56
GRTE0013					2				2	2		2	56
GRTE0014					2				2	2		2	56
GRTE0015					2				2	2		2	56
GRTE0016	2					2			2				
GRTE0017	22	6		20	16	21		53	22	22	44	22	40
GRTE0018	22	6		20	16	20		47	22	20	44	20	40
GRTE0019					2				2	2		2	56
GRTE0020					2				2	2		2	56
GRTE0021					2				2	2		2	56
GRTE0022	28	16		22	20	27		67	28	28	56	26	52
GRTE0023					2				2	2		2	56
GRTE0024					2				2	2		2	56
GRTE0025					2				2	2		2	56
GRTE0026	6				2		2	4	2		6	2	16
GRTE0027					2				2	2		2	56
GRTE0028	24	48		24		24		72		48	24		
GRTE0029					2				2	2		2	56
GRTE0030					2				2			2	2
GRTE0031	24	48		24		24		72		48	24		
GRTE0032	24	48		24		24		72		48	24		
GRTE0033	24	48		24		24		72		48	24		
GRTE0034	2							5	2	2	4	2	4
GRTE0035	24	48		24		24		72		48	24		
GRTE0039					2				2	2		2	56
GRTE0040					2				2	2		2	56
GRTE0041					2		2	4	4	2	2	2	32
GRTE0042					2				2	2		2	56
GRTE0043	16	2		10	8	15		40	16	16	32	16	32
GRTE0044					2				2	2		2	56
GRTE0045	12				4		4	6	4		12	4	32
GRTE0046					2				2	2		2	56
GRTE0048						2		4					
GRTE0049		2									4		
GRTE0050					2				2	2		2	56
GRTE0051		4		2					2			2	
GRTE0053	2				2			1	2		2	1	6
GRTE0054	6				2		2	4	2		6	2	16
GRTE0056	12				4		4	4	4		10	4	32
GRTE0057	12				4		4	4	4		10	4	32
GRTE0058					2				2	2		2	56
GRTE0064		16											

GRTE0070				2			2	2		2	56
GRTE0073											18
GRTE0075							2		2		
GRTE0077		4	4	4			4	4		4	
GRTE0085		4	4				4		4		
GRTE0088		4	4	4			2	4		4	
GRTE0090				4			2	2	6	4	
GRTE0091				2	4		2		2	2	4
GRTE0092							2				
GRTE0093				2	4		2		2	2	4
GRTE0096				2	4		2		2	2	4
GRTE0097				2	4		2		2	2	4
GRTE0098				2			2			2	2
GRTE0106				2			2		2	2	4
GRTE0112				2			2			2	2
GRTE0114				2			2			2	2
GRTE0119				2			2			2	2
GRTE0129				2			2		2	2	4
GRTE0131				2	4		2		2	2	4
GRTE0683				1			2	2	1	1	4
GRTE0684				1			2	2	1	1	4

**APPENDIX E-2** No. Of Years In Record For Each Parameter Group For Each Site in Grays Hoback Sub-basin

**Appendix E-2.** No. of years with data in each parameter group in Grays Hoback sub-basin. Columns at right side of table indicate stations with data from more than 2 years. Note that years with data are not necessarily consecutive.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2 years of data in 2 or more groups
GRTE0001				1			1	1		1			1		
GRTE0002	1				1		1	1	1	1	1	1	1		
GRTE0003	2	2		1	2	2		2	2	2	2	2	2		
GRTE0004					1				1			1	1		
GRTE0005				1			1	1		1			1		
GRTE0006				1				1		1			1		
GRTE0007				1		1			1						
GRTE0008	2			2	2	2	1	2	2	2	2	2	2		
GRTE0009	2	2		1	2	2		2	2	2	2	2	2		
GRTE0010	1			1	1	1		1	1	1	1	1	1		
GRTE0011	2				4		4	2	2	1	2	4	2	X	X
GRTE0012					1				1	1		1	1		
GRTE0013					1				1	1		1	1		
GRTE0014					1				1	1		1	1		
GRTE0015					1				1	1		1	1		
GRTE0016	1					1			1						
GRTE0017	1	1		1	1	1		1	1	1	1	1	1		
GRTE0018	1	1		1	1	1		1	1	1	1	1	1		
GRTE0019					1				1	1		1	1		
GRTE0020					1				1	1		1	1		
GRTE0021					1				1	1		1	1		
GRTE0022	2	2		1	2	2		2	2	2	2	2	2		
GRTE0023					1				1	1		1	1		
GRTE0024					1				1	1		1	1		
GRTE0025					1				1	1		1	1		
GRTE0026	1				1		1	1	1		1	1	1		
GRTE0027					1				1	1		1	1		
GRTE0028	2	2		2		2		2		2	2				
GRTE0029					1				1	1		1	1		
GRTE0030					1				1			1	1		
GRTE0031	2	2		2		2		2		2	2				
GRTE0032	2	2		2		2		2		2	2				
GRTE0033	2	2		2		2		2		2	2				
GRTE0034	1							1	1	1	1	1	1		
GRTE0035	2	2		2		2		2		2	2				
GRTE0039					1				1	1		1	1		
GRTE0040					1				1	1		1	1		
GRTE0041					1		1	1	1	1	1	1	1		
GRTE0042					1				1	1		1	1		
GRTE0043	2	1		1	2	2		2	2	2	2	2	2		
GRTE0044					1				1	1		1	1		
GRTE0045	2				2		2	2	2		2	2	2		
GRTE0046					1				1	1		1	1		
GRTE0048						1		1							
GRTE0049		1									1				
GRTE0050					1				1	1		1	1		
GRTE0051		1		1					1			1			
GRTE0053	1				1			1	1		1	1	1		
GRTE0054	1				1		1	1	1		1	1	1		
GRTE0056	1				1		1	1	1		1	1	1		

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in 2 or more groups
GRTE0057	1				1		1	1	1		1	1	1		
GRTE0058					1				1	1		1	1		
GRTE0064		1													
GRTE0070					1				1	1		1	1		
GRTE0073													1		
GRTE0075								1		1					
GRTE0077			1	1	1				1	1		1			
GRTE0085			1	1				1		1					
GRTE0088			1	1	1				1	1		1			
GRTE0090					1			1	1	2		1			
GRTE0091					1	1			1		1	1	1		
GRTE0092									1						
GRTE0093					1	1			1		1	1	1		
GRTE0096					1	1			1		1	1	1		
GRTE0097					1	1			1		1	1	1		
GRTE0098					1				1			1	1		
GRTE0106					1				1		1	1	1		
GRTE0112					1				1			1	1		
GRTE0114					1				1			1	1		
GRTE0119					1				1			1	1		
GRTE0129					1				1		1	1	1		
GRTE0131					1	1			1		1	1	1		
GRTE0683					1			1	1	1	1	1	1		
GRTE0684					1			1	1	1	1	1	1		

**APPENDIX E-3** Year with Most Recent Data In Each Parameter Group For Each Site In Grays Hoback Sub-basin



**Appendix E-3.** Year with most recent data in each parameter group for each site in Grays Hoback sub-basin.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0001				1976			1976	1976		1976			1976
GRTE0002	1973				1973		1973	1973	1973	1973	1973	1973	1973
GRTE0003	1976	1976		1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0004					1976				1976			1976	
GRTE0005				1976			1976	1976		1976			1976
GRTE0006				1976				1976		1976			1976
GRTE0007				1993		1993			1993				
GRTE0008	1976			1976	1976	1976	1976	1976	1976	1976	1976	1976	1976
GRTE0009	1976	1976		1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0010	1976			1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0011	1973				1975		1975	1973	1973	1973	1973	1975	1973
GRTE0012					1976				1976	1976		1976	1976
GRTE0013					1976				1976	1976		1976	1976
GRTE0014					1976				1976	1976		1976	1976
GRTE0015					1976				1976	1976		1976	1976
GRTE0016	1959					1959			1959				
GRTE0017	1976	1976		1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0018	1976	1976		1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0019					1976				1976	1976		1976	1976
GRTE0020					1976				1976	1976		1976	1976
GRTE0021					1976				1976	1976		1976	1976
GRTE0022	1976	1976		1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0023					1976				1976	1976		1976	1976
GRTE0024					1976				1976	1976		1976	1976
GRTE0025					1976				1976	1976		1976	1976
GRTE0026	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0027					1976				1976	1976		1976	1976
GRTE0028	1972	1972		1972		1972		1972		1972	1972		
GRTE0029					1976				1976	1976		1976	1976
GRTE0030					1976				1976			1976	1976
GRTE0031	1972	1972		1972		1972		1972		1972	1972		
GRTE0032	1972	1972		1972		1972		1972		1972	1972		
GRTE0033	1972	1972		1972		1972		1972		1972	1972		
GRTE0034	1976							1976	1976	1976	1976	1976	1976
GRTE0035	1972	1972		1972		1972		1972		1972	1972		
GRTE0039					1976				1976	1976		1976	1976
GRTE0040					1976				1976	1976		1976	1976
GRTE0041					1992		1992	1992	1992	1992	1992	1992	1992
GRTE0042					1976				1976	1976		1976	1976
GRTE0043	1976	1975		1976	1976	1976		1976	1976	1976	1976	1976	1976
GRTE0044					1976				1976	1976		1976	1976
GRTE0045	1973				1973		1973	1973	1973		1973	1973	1973
GRTE0046					1976				1976	1976		1976	1976
GRTE0048						1971		1971					
GRTE0049		1976									1976		
GRTE0050					1976				1976	1976		1976	1976
GRTE0051		1975		1975					1975			1975	
GRTE0053	1972				1972			1972	1972		1972	1972	1972
GRTE0054	1972				1972		1972	1972	1972		1972	1972	1972
GRTE0056	1971				1971		1971	1971	1971		1971	1971	1971

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0057	1971				1971		1971	1971	1971		1971	1971	1971
GRTE0058					1976				1976	1976		1976	1976
GRTE0064		1998											
GRTE0070					1976				1976	1976		1976	1976
GRTE0073													1973
GRTE0075								1996		1996			
GRTE0077			1995	1995	1995				1995	1995		1995	
GRTE0085			1996	1996				1996		1996			
GRTE0088			1995	1995	1995				1995	1995		1995	
GRTE0090					1995			1996	1995	1996		1995	
GRTE0091					1983	1983			1983		1983	1983	1983
GRTE0092									1937				
GRTE0093					1983	1983			1983		1983	1983	1983
GRTE0096					1983	1983			1983		1983	1983	1983
GRTE0097					1983	1983			1983		1983	1983	1983
GRTE0098					1977				1977			1977	1977
GRTE0106					1983				1983		1983	1983	1983
GRTE0112					1977				1977			1977	1977
GRTE0114					1977				1977			1977	1977
GRTE0119					1977				1977			1977	1977
GRTE0129					1983				1983		1983	1983	1983
GRTE0131					1983	1983			1983		1983	1983	1983
GRTE0683					1992			1992	1992	1992	1992	1992	1992
GRTE0684					1992			1992	1992	1992	1992	1992	1992

**APPENDIX E-4** Summary Data For Individual Site / Parameter Combinations In  
Grays Hoback Sub-basin

**Appendix E-4.** No. of samples, mean and standard deviation of parameter values for all sampling locations in Grays Hoback sub-basin.

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0001	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	2	238	
		"TURBIDITY, (JACKSON CANDLE UNITS)"	2	94	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	1.8	
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	2	10	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	2	0.2	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.03	
	Toxic Elements	"CADMIUM, TOTAL (UG/L AS CD)"	2	1000	
		"CHROMIUM, TOTAL (UG/L AS CR)"	2	1000	
		"COPPER, TOTAL (UG/L AS CU)"	2	5000	
		"IRON, TOTAL (UG/L AS FE)"	2	1000	
		"LEAD, TOTAL (UG/L AS PB)"	4	28500	13279
		"MERCURY, TOTAL (UG/L AS HG)"	2	1400	
		"ZINC, TOTAL (UG/L AS ZN)"	2	70000	
GRTE0002	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	185	
		BICARBONATE ION (MG/L AS HCO3)	2	226	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	471	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	15	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.1	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.6	
	pH	PH (STANDARD UNITS)	2	8.2	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.03	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	240	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	70	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3.5	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	2	71	
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	2	15	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.3	
		"SODIUM, DISSOLVED (MG/L AS Na)"	2	7.5	
		"SODIUM, PERCENT"	2	6	
		SODIUM ADSORPTION RATIO	2	0.2	
	GRTE0003	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	28	194
Bacteriological		"PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS"	2	13	
		RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	6	1.4	1.9
Clarity/Turbidity		"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	22	10	9.2
Conductivity		"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	20	440	26
Dissolved Oxygen		"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	18	7.1	0.7
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	9	57	5.9
Nitrate/Nitrogen		"AMMONIA, UNIONIZED (MG/L AS N)"	14	0.0002	0.0002
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	26	0.06	0.02
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	28	0.03	0.04
pH		"PH, FIELD, STANDARD UNITS SU"	28	7.7	0.1
Phosphate/Phosphorous		"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	28	0.04	0.03
Sulfates		"HARDNESS, TOTAL (MG/L AS CaCO3)"	28	228	11
		"SULFATE, DISSOLVED (MG/L AS SO4)"	28	48	3.1
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	28	7.2	2.1
Toxic Elements		"CALCIUM, DISSOLVED (MG/L AS Ca)"	26	71	6.8
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	26	12	3
GRTE0004	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	380	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.2	
GRTE0005	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	2	130	
		"TURBIDITY, (JACKSON CANDLE UNITS)"	2	34	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	2	3.2	
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	2	6	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	2	0.04	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.03	
	Toxic Elements	"CADMIUM, TOTAL (UG/L AS CD)"	4	5500	5196
		"CHROMIUM, TOTAL (UG/L AS CR)"	2	6000	
		"COPPER, TOTAL (UG/L AS CU)"	2	2000	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0006		"IRON, TOTAL (UG/L AS FE)"	4	2300	1501
		"LEAD, TOTAL (UG/L AS PB)"	4	26000	24249
		"MERCURY, TOTAL (UG/L AS HG)"	2	1200	
		"ZINC, TOTAL (UG/L AS ZN)"	4	92500	20207
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	2	23	
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	2	1	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	2	0.01	
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.03	
	Toxic Elements	"CADMIUM, TOTAL (UG/L AS CD)"	2	1000	
		"CHROMIUM, TOTAL (UG/L AS CR)"	2	6000	
"COPPER, TOTAL (UG/L AS CU)"		2	2000		
"IRON, TOTAL (UG/L AS FE)"		2	67		
"LEAD, TOTAL (UG/L AS PB)"		2	1500		
"MERCURY, TOTAL (UG/L AS HG)"		2	1200		
"ZINC, TOTAL (UG/L AS ZN)"		2	2000		
GRTE0007		Clarity/Turbidity	"TURBIDITY, (JACKSON CANDLE UNITS)"	2	ND
	Dissolved Oxygen	"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	2	7	
	pH	PH (STANDARD UNITS)	2	8	
GRTE0008	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	15	160	11
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	16	22	15
		"TURBIDITY, (JACKSON CANDLE UNITS)"	28	3.7	3.7
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12	315	14
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	11	9.3	1.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	10	71	9.1
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	20	89	42
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	15	0.0003	0.0003
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	28	0.06	0.1
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	16	0.02	0.03
	pH	PH (STANDARD UNITS)	20	7.9	0.3
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	16	0.04	0.01
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	14	165	10
		"SULFATE, TOTAL (MG/L AS SO4)"	26	13	3.7
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	16	5.7	3.5
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	13	47	5.6
"MAGNESIUM, DISSOLVED (MG/L AS Mg)"		26	12	2.1	
GRTE0009	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	28	160	11
	Bacteriological	"PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS"	2	17	
		RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	12	0.1	0.09
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	22	19	14
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	20	319	11
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	18	8.8	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	9	69	4.4
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	14	0.0003	0.0003
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	26	0.02	0.01
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	28	0.03	0.03
	pH	"PH, FIELD, STANDARD UNITS SU"	28	8	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	28	0.007	0.005
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	28	166	11
		"SULFATE, DISSOLVED (MG/L AS SO4)"	28	13	4.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	28	5.7	3.7
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	26	47	5.5
		"MAGNESIUM, DISSOLVED (MG/L AS Mg)"	26	12	2.1
GRTE0010	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	22	149	8.3
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	18	2.4	3
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	16	461	5.9
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	14	7.8	0.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	6	68	2.1
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	8	0.0001	<0.0001
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	20	0.1	0.01
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	22	0.009	0.007
	pH	"PH, FIELD, STANDARD UNITS SU"	22	7.7	0.08
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	22	0.02	0.007
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	22	247	3.6
		"SULFATE, DISSOLVED (MG/L AS SO4)"	22	102	8.5
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	16	9.2	0.6

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
GRTE0011	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	20	68	4.7	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	20	19	2.7	
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	85		
		BICARBONATE ION (MG/L AS HCO3)	2	102		
		CARBONATE ION (MG/L AS CO3)	2	0.5		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	16	211	37	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	15	3583	2954	
		"FLOW, STREAM, MEAN DAILY CFS"	3	8327	5802	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	ND		
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.1		
	pH	PH (STANDARD UNITS)	2	8.2		
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.01		
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	85		
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	1	98		
		"SULFATE, TOTAL (MG/L AS SO4)"	2	14		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	16	6.5	4.6	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	30		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	27		
		"IRON, TOTAL (UG/L AS FE)"	1	ND		
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	4.2		
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	1.8			
"SODIUM, DISSOLVED (MG/L AS NA)"		2	7.3			
"SODIUM, PERCENT"		2	16			
SODIUM ADSORPTION RATIO		2	0.3			
GRTE0012		Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200	
		pH	"PH, LAB, STANDARD UNITS SU"	2	6.2	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8		
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	18		
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	25		
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
		"BORON, DISSOLVED (UG/L AS B)"	2	7		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	37		
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30		
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4		
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2		
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2		
		"IRON, DISSOLVED (UG/L AS FE)"	2	36		
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2		
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12		
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2		
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	17		
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4		
		"NIOBIUM, DISSOLVED UG/L"	2	4		
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	0.6			
"SCANDIUM, DISSOLVED (UG/L AS SC)"		2	1			
"SILVER, DISSOLVED (UG/L AS AG)"		2	7			
"SODIUM, DISSOLVED (MG/L AS NA)"		2	1.1			
"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	41				
"THORIUM, DISSOLVED IN WATER UG/L"	2	24				
"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2				
"URANIUM, NATURAL, DISSOLVED"	2	0.2				
"VANADIUM, DISSOLVED (UG/L AS V)"	2	9				
"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1				
"ZINC, DISSOLVED (UG/L AS ZN)"	2	23				
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2				
GRTE0013	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	180		
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1		
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7		
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	30		
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	29		
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
"BORON, DISSOLVED (UG/L AS B)"		2	8			
"CALCIUM, DISSOLVED (MG/L AS CA)"	2	41				

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	24	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	13	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	25	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	46	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	6	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	22	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0014	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	415	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.08	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	429	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	118	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	38	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	111	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	96	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	19	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	12	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	18	
		"IRON, DISSOLVED (UG/L AS FE)"	2	277	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	13	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	26	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	17	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	35	
		"NIOBIUM, DISSOLVED UG/L"	2	14	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.7	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	12	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	738	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	49	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	6	
	"URANIUM, NATURAL, DISSOLVED"	2	0.6		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	14		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	4		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	158		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	9		
GRTE0015	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	380	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	63	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	401	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	32	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	96	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	12	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	61	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	13	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	46	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	24	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.8	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	338	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.7	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	7	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	37	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	11	
GRTE0016	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	2	110	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	8.1	
	pH	PH (STANDARD UNITS)	2	8	
GRTE0017	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	22	154	11
	Bacteriological	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	6	0.1	0.1
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	20	5.1	6.1
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	16	299	8.6
	Dissolved Oxygen	"OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L"	14	9.4	0.6
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	7	75	2.6
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	11	0.0001	<0.0001
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	20	0.03	0.01
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	22	0.008	0.005
	pH	"PH, FIELD, STANDARD UNITS SU"	22	8	0.1
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	22	0.005	0.004
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	22	156	9.9
		"SULFATE, DISSOLVED (MG/L AS SO4)"	22	7.2	4.5
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	22	6.7	2.9
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	20	44	4.5
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	20	11	1.9
GRTE0018	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	22	158	8.1
	Bacteriological	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	6	0.2	0.1
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	20	3	2.9
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	16	298	10
	Dissolved Oxygen	"OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L"	14	9.3	0.8
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	6	75	3.8
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	9	0.0001	0.0001
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	18	0.03	0.01
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	20	0.007	0.006
	pH	"PH, FIELD, STANDARD UNITS SU"	22	8	0.1
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	20	0.004	0.003
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	22	162	7.2
		"SULFATE, DISSOLVED (MG/L AS SO4)"	22	5.5	0.8
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	20	7.1	3.1
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	20	44	3.7
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	20	13	1.5
GRTE0019	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	210	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	461	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	151	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	109	



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	81	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	18	
		"IRON, DISSOLVED (UG/L AS FE)"	2	381	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	72	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	19	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	95	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	10	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	117	
		"NIOBIUM, DISSOLVED UG/L"	2	7	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	4	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	20	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	293	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	355	
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
GRTE0020	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	237	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	74	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	31	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	65	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	6	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	7	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	12	
		"IRON, DISSOLVED (UG/L AS FE)"	2	117	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	15	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	15	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	14	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	28	
		"NIOBIUM, DISSOLVED UG/L"	2	9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	5.2	
	"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	98		
	"THORIUM, DISSOLVED IN WATER UG/L"	2	5		
	"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2		
	"URANIUM, NATURAL, DISSOLVED"	2	0.2		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	230		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2		
GRTE0021	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	606	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	60	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	18	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	60	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	24	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	19	
		"IRON, DISSOLVED (UG/L AS FE)"	2	366	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	7	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	15	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	23	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	82	
		"NIOBIUM, DISSOLVED UG/L"	2	8	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.5	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.9	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	75	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	6	
		"URANIUM, NATURAL, DISSOLVED"	2	0.7	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	262	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	8	
GRTE0022	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	28	149	12
	Bacteriological	"PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS"	2	9	
		RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	14	0.2	0.1
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	22	3.3	5.5
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	20	285	6.9
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	18	9.3	0.5
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %" "	9	72	4.9
	Nitrate/Nitrogen	"AMMONIA, UNIONIZED (MG/L AS N)"	13	0.0001	<0.0001
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	26	0.02	0.008
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	28	0.01	0.009
	pH	"PH, FIELD, STANDARD UNITS SU"	28	7.9	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	28	0.004	0.003
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	28	151	9.2
		"SULFATE, DISSOLVED (MG/L AS SO4)"	28	6.8	6
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	26	5.8	3.4
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	26	43	2.3
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	26	11	1.6
GRTE0023	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	170	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	238	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	38	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	13	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	36	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	146	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	12	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	5	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	15	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	8	
		"NIOBIUM, DISSOLVED UG/L"	2	49	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	4	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.1	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	42	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
GRTE0024		"THORIUM, DISSOLVED IN WATER UG/L"	2	40		
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	3		
		"URANIUM, NATURAL, DISSOLVED"	2	0.4		
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	13		
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2		
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	27		
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	15		
		Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250	
		pH	"PH, LAB, STANDARD UNITS SU"	2	6.5	
		Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
		Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
		Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
			"BARIUM, DISSOLVED (UG/L AS BA)"	2	64	
			"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
			"BORON, DISSOLVED (UG/L AS B)"	2	12	
			"CALCIUM, DISSOLVED (MG/L AS CA)"	2	51	
			"CERIUM, DISSOLVED (UG/L AS CE)"	2	37	
			"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	10	
			"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
"COPPER, DISSOLVED (UG/L AS CU)"	2		2			
"IRON, DISSOLVED (UG/L AS FE)"	2		30			
"LITHIUM, DISSOLVED (UG/L AS LI)"	2		7			
"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2		18			
"MANGANESE, DISSOLVED (UG/L AS MN)"	2		8			
"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2		19			
"NICKEL, DISSOLVED (UG/L AS NI)"	2		14			
"NIOBIUM, DISSOLVED UG/L"	2		4			
"POTASSIUM, DISSOLVED (MG/L AS K)"	2		1.3			
"SCANDIUM, DISSOLVED (UG/L AS SC)"	2		1			
"SILVER, DISSOLVED (UG/L AS AG)"	2		5			
"SODIUM, DISSOLVED (MG/L AS NA)"	2		3.5			
"STRONTIUM, DISSOLVED (UG/L AS SR)"	2		117			
"THORIUM, DISSOLVED IN WATER UG/L"	2		19			
"TITANIUM, DISSOLVED (UG/L AS TI)"	2		2			
"URANIUM, NATURAL, DISSOLVED"	2		0.4			
"VANADIUM, DISSOLVED (UG/L AS V)"	2		8			
"YTTRIUM, DISSOLVED (UG/L AS Y)"	2		2			
"ZINC, DISSOLVED (UG/L AS ZN)"	2		20			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	6				
GRTE0025		Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	320	
		pH	"PH, LAB, STANDARD UNITS SU"	2	6.3	
		Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
		Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
		Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	578	
			"BARIUM, DISSOLVED (UG/L AS BA)"	2	51	
			"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
			"BORON, DISSOLVED (UG/L AS B)"	2	20	
			"CALCIUM, DISSOLVED (MG/L AS CA)"	2	80	
			"CERIUM, DISSOLVED (UG/L AS CE)"	2	66	
			"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	11	
			"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
			"COPPER, DISSOLVED (UG/L AS CU)"	2	13	
			"IRON, DISSOLVED (UG/L AS FE)"	2	373	
			"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
			"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	30	
			"MANGANESE, DISSOLVED (UG/L AS MN)"	2	15	
			"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	8	
			"NICKEL, DISSOLVED (UG/L AS NI)"	2	50	
			"NIOBIUM, DISSOLVED UG/L"	2	45	
			"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.4	
			"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
			"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
			"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.9	
			"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	89	
			"THORIUM, DISSOLVED IN WATER UG/L"	2	23	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	6	
		"URANIUM, NATURAL, DISSOLVED"	2	0.4	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	10	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	238	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0026	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	148	
		BICARBONATE ION (MG/L AS HCO3)	2	181	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	337	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	0.9	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.07	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.3	
	pH	PH (STANDARD UNITS)	2	7.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	160	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	192	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	26	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	26	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	30	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	37	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	17	
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	2.8		
"SODIUM, DISSOLVED (MG/L AS NA)"		2	6.4		
"SODIUM, PERCENT"		2	8		
SODIUM ADSORPTION RATIO		2	0.2		
GRTE0027	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	8	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	2692	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	46	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	15	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	76	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	624	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	6	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	78	
		"IRON, DISSOLVED (UG/L AS FE)"	2	515	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	23	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	70	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	297	
		"NIOBIUM, DISSOLVED UG/L"	2	9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	75	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
	"URANIUM, NATURAL, DISSOLVED"	2	0.1		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	3		
"ZINC, DISSOLVED (UG/L AS ZN)"	2	375			
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	4			
GRTE0028	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	24	178	13
	Bacteriological	"COLIFORM, TOT, MEMBR FILTER, DELAYED, M-ENDO MED, 35 C"	24	148	158
		"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	24	ND	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	24	9.1	6.4
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	24	9.2	1.2
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	24	0.2	0.07
"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"		24	0.2	0.04	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
	Phosphate/Phosphorous	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	24	0.5	0.1	
		"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.2	0.2	
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	24	0.5	0.2	
GRTE0029	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	24	172	9.9	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	310		
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4		
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	25		
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	40		
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	75		
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
		"BORON, DISSOLVED (UG/L AS B)"	2	30		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	45		
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30		
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4		
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2		
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2		
		"IRON, DISSOLVED (UG/L AS FE)"	2	27		
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	15		
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	21		
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	3		
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4		
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4		
		"NIOBIUM, DISSOLVED UG/L"	2	4		
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.3		
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1		
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2		
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.2		
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	255		
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5		
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2		
		"URANIUM, NATURAL, DISSOLVED"	2	0.5		
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4		
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	14		
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2		
GRTE0030	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	185		
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1		
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6		
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4		
GRTE0031	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	24	165	4.3	
	Bacteriological	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	24	321	413	
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	24	ND		
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	24	10	4.6	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	24	9.4	0.7	
		Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	24	0.3	0.08
			"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	24	0.2	0.03
	Phosphate/Phosphorous	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	24	0.6	0.2	
		"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.07	0.04	
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	24	0.3	0.06	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	24	171	8.5	
	GRTE0032	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	24	173	8.8
Bacteriological		"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	24	380	640	
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	24	ND		
Clarity/Turbidity		"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	24	19	7	
Dissolved Oxygen		"OXYGEN, DISSOLVED MG/L"	24	7.6	0.5	
		Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	24	0.6	0.3
			"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	24	0.3	0.1
Phosphate/Phosphorous		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	24	1.1	0.5	
		"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.1	0.04	
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	24	0.6	0.1	
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	24	167	5.8		
GRTE0033	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	24	176	6.2	
	Bacteriological	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	24	4.3	6.4	
		"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	24	ND		

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	24	0.6	0.6	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	24	7.8	0.5	
	Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	24	0.2	0.06	
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	24	0.1	0.2	
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	24	0.3	0.07	
	Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.05	0.01	
		"PHOSPHATE, TOTAL (MG/L AS PO4)"	24	0.2	0.05	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	24	162	9.5	
	GRTE0034	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	2	105	
	Nitrate/Nitrogen	"AMMONIA, UNIONZED (MG/L AS N)"	1	0.0002		
"NITRATE NITROGEN, TOTAL (MG/L AS N)"		2	0.008			
"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"		2	0.006			
pH	"PH, FIELD, STANDARD UNITS SU"	2	8.3			
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.001			
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	106			
	"SULFATE, DISSOLVED (MG/L AS SO4)"	2	4.3			
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9.6			
Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	30			
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	7.9			
GRTE0035	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	24	171	6.3	
Bacteriological	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	24	180	411		
	"FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C"	24	ND			
Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	24	10	5.6		
Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	24	9.6	1.1		
Nitrate/Nitrogen	"NITRATE NITROGEN, TOTAL (MG/L AS N)"	24	0.2	0.09		
	"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	24	0.2	0.09		
	"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	24	0.6	0.2		
Phosphate/Phosphorous	"PHOSPHATE, ORTHO (MG/L AS PO4)"	24	0.07	0.04		
	"PHOSPHATE, TOTAL (MG/L AS PO4)"	24	0.3	0.07		
Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	24	169	12		
GRTE0039	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	400		
pH	"PH, LAB, STANDARD UNITS SU"	2	6.5			
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04			
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6			
Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	52			
	"BARIUM, DISSOLVED (UG/L AS BA)"	2	395			
	"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1			
	"BORON, DISSOLVED (UG/L AS B)"	2	34			
	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	95			
	"CERIUM, DISSOLVED (UG/L AS CE)"	2	74			
	"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	9			
	"COBALT, DISSOLVED (UG/L AS CO)"	2	2			
	"COPPER, DISSOLVED (UG/L AS CU)"	2	2			
	"IRON, DISSOLVED (UG/L AS FE)"	2	47			
	"LITHIUM, DISSOLVED (UG/L AS LI)"	2	13			
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	45			
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4			
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	5			
	"NICKEL, DISSOLVED (UG/L AS NI)"	2	4			
	"NIOBIUM, DISSOLVED UG/L"	2	26			
	"POTASSIUM, DISSOLVED (MG/L AS K)"	2	3.2			
	"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
	"SILVER, DISSOLVED (UG/L AS AG)"	2	4			
	"SODIUM, DISSOLVED (MG/L AS NA)"	2	7.6			
	"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	334			
	"THORIUM, DISSOLVED IN WATER UG/L"	2	5			
	"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2			
	"URANIUM, NATURAL, DISSOLVED"	2	1.6			
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	17			
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2			
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	27			
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	10			
	GRTE0040	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	170	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.5		
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04			

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	24	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	55	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	13	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	55	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	13	
		"IRON, DISSOLVED (UG/L AS FE)"	2	55	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	5	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	20	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	10	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	8	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	3.9	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	126	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.4	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	43	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
		GRTE0041	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2
	Flow	"FLOW, RATE, INSTANTANEOUS GALLONS/MIN"	2	1.5	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.3	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.02	
	pH	"PH, LAB, STANDARD UNITS SU"	2	8.1	
		PH (STANDARD UNITS)	2	8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.02	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	10	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	20	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	2	4	
		"BORON, DISSOLVED (UG/L AS B)"	2	20	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	64	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	1	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
"IRON, DISSOLVED (UG/L AS FE)"		2	3		
"LEAD, DISSOLVED (UG/L AS PB)"		2	1		
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		2	28		
"MANGANESE, DISSOLVED (UG/L AS MN)"		2	1		
"MERCURY, DISSOLVED (UG/L AS HG)"		2	0.1		
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	1.7		
GRTE0042	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	270	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7.4	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	461	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	30	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	9	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	56	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	49	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	18	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"COBALT, DISSOLVED (UG/L AS CO)"	2	3	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	16	
		"IRON, DISSOLVED (UG/L AS FE)"	2	276	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	17	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	13	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	30	
		"NIOBIUM, DISSOLVED UG/L"	2	8	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	6	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	45	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	8	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	9	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	215	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	15	
GRTE0043	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	16	114	9.3
	Bacteriological	"PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS"	2	1	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	10	1.8	1.7
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	8	224	14
	Dissolved Oxygen	"OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L"	10	9.4	0.9
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	5	76	3.5
	Nitrate/Nitrogen	"AMMONIA, UNIONIZED (MG/L AS N)"	8	0.0003	0.0002
		"NITRATE NITROGEN, TOTAL (MG/L AS N)"	16	0.03	0.01
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	16	0.01	0.01
	pH	"PH, FIELD, STANDARD UNITS SU"	16	8.2	0.3
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	16	0.005	0.003
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	16	117	8.7
		"SULFATE, DISSOLVED (MG/L AS SO4)"	16	3.7	0.6
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	16	6.7	2.4
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	16	32	2.4
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	16	8.8	0.7
GRTE0044	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	170	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.6	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	42	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	40	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	40	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	44	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	11	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	34	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	13	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	18	
		"NIOBIUM, DISSOLVED UG/L"	2	28	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	46	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.1	



Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0045	Alkalinity	"VANADIUM, DISSOLVED (UG/L AS V)"	2	9	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	22	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	7	
	Conductivity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	143	24
		BICARBONATE ION (MG/L AS HCO3)	4	172	33
	Flow	CARBONATE ION (MG/L AS CO3)	4	1.5	1.7
		SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	292	72
	Nitrate/Nitrogen	"FLOW, STREAM, INSTANTANEOUS CFS"	2	18	
		"FLOW, STREAM, MEAN DAILY CFS"	2	66	
	pH	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.1	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	4	0.4	0.2
	Sulfates	PH (STANDARD UNITS)	4	8.1	0.3
		"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	154	28
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	4	166	58
	Temperature	"SULFATE, TOTAL (MG/L AS SO4)"	4	8.1	5.7
		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7.4	0.5
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	30	12
		"CALCIUM, DISSOLVED (MG/L AS CA)"	4	50	22
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	6.8	6.1
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	0.5	0.5
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	2.2	1.3
		"SODIUM, PERCENT"	4	2.5	0.6
		IRON (UG/L AS FE)	2	100	
		SODIUM ADSORPTION RATIO	4	0.05	0.06
		GRTE0046	Conductivity	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2			6.1	
pH	"PH, LAB, STANDARD UNITS SU"		2	0.09	
	"PHOSPHORUS, DISSOLVED (MG/L AS P)"		2	7	
Toxic Elements	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		2	2197	
	"ALUMINUM, DISSOLVED (UG/L AS AL)"		2	40	
Toxic Elements	"BARIUM, DISSOLVED (UG/L AS BA)"		2	1	
	"BERYLLIUM, DISSOLVED (UG/L AS BE)"		2	12	
	"BORON, DISSOLVED (UG/L AS B)"		2	53	
	"CALCIUM, DISSOLVED (MG/L AS CA)"		2	30	
	"CERIUM, DISSOLVED (UG/L AS CE)"		2	504	
	"CHROMIUM, DISSOLVED (UG/L AS CR)"		2	2	
	"COBALT, DISSOLVED (UG/L AS CO)"		2	51	
	"COPPER, DISSOLVED (UG/L AS CU)"		2	527	
	"IRON, DISSOLVED (UG/L AS FE)"		2	3	
	"LITHIUM, DISSOLVED (UG/L AS LI)"		2	17	
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"		2	63	
	"MANGANESE, DISSOLVED (UG/L AS MN)"		2	7	
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"		2	169	
	"NICKEL, DISSOLVED (UG/L AS NI)"		2	4	
	"NIOBIUM, DISSOLVED UG/L"		2	1.1	
	"POTASSIUM, DISSOLVED (MG/L AS K)"		2	1	
	"SCANDIUM, DISSOLVED (UG/L AS SC)"		2	2	
	"SILVER, DISSOLVED (UG/L AS AG)"		2	1.7	
	"SODIUM, DISSOLVED (MG/L AS NA)"		2	56	
	"STRONTIUM, DISSOLVED (UG/L AS SR)"		2	5	
	"THORIUM, DISSOLVED IN WATER UG/L"		2	4	
	"TITANIUM, DISSOLVED (UG/L AS TI)"	2	0.1		
	"URANIUM, NATURAL, DISSOLVED"	2	4		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	2		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	395		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	2		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	12		
GRTE0048	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	0.06	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.07	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)"	2	2.1	
GRTE0049	Bacteriological	"COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)"	2	72	
	Sulfates	"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L"	2	ND	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	165	
GRTE0050	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	165	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	437	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	66	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	48	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	66	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	17	
		"IRON, DISSOLVED (UG/L AS FE)"	2	255	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	27	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	17	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	20	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	10	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	48	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.2	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	7	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	116	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	0.4	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	321	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0051		"COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG."	2	24000	
		"FECAL COLIFORM,MPN,TUBE CONFIGURATION"	2	3500	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	2	39	
	pH	PH (STANDARD UNITS)	2	7.5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
GRTE0053	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	1	84	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	133	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.7	
	pH	PH (STANDARD UNITS)	2	7.4	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	1	65	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	1.6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	6.5	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	20	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	23	
		"IRON, TOTAL (UG/L AS FE)"	1	ND	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	1.9	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.9	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	2.7	
GRTE0054	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	2	69	
		BICARBONATE ION (MG/L AS HCO3)	2	84	
		CARBONATE ION (MG/L AS CO3)	2	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	139	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	2	0.5	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	2	0.2	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.7	
	pH	PH (STANDARD UNITS)	2	7.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	2	65	
		"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	82	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	1.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6.5	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	2	20	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	23	
		"IRON, DISSOLVED (UG/L AS FE)"	2	10	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD	
GRTE0056		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	1.9		
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.9		
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.7		
		"SODIUM, PERCENT"	2	8		
		SODIUM ADSORPTION RATIO	2	0.1		
	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	60	5.8	
		BICARBONATE ION (MG/L AS HCO3)	4	73	6.9	
		CARBONATE ION (MG/L AS CO3)	4	ND		
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	125	16	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	123	128	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.2		
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.02		
	pH	PH (STANDARD UNITS)	4	7.9	0.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	57	0.6	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	62		
		"SULFATE, TOTAL (MG/L AS SO4)"	4	6.4	1.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	8.5	0.6	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	30	12	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	4	16	1.2	
		"IRON, TOTAL (UG/L AS FE)"	4	5	5.8	
"MAGNESIUM, DISSOLVED (MG/L AS MG)"		4	3.9	0.5		
"POTASSIUM, DISSOLVED (MG/L AS K)"		4	1.1	0.2		
"SODIUM, DISSOLVED (MG/L AS NA)"		4	4	1.5		
"SODIUM, PERCENT"		4	13	4.6		
SODIUM ADSORPTION RATIO		4	0.3	0.06		
GRTE0057		Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	4	111	1.2
			BICARBONATE ION (MG/L AS HCO3)	4	130	8.7
	CARBONATE ION (MG/L AS CO3)		4	3	3.5	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	204	2.3	
	Flow	"FLOW, STREAM, MEAN DAILY CFS"	4	111	111	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.4		
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.01		
	pH	PH (STANDARD UNITS)	4	8.2	0.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	4	110	12	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	2	116		
"SULFATE, TOTAL (MG/L AS SO4)"		4	4.1	1.1		
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7	0.6		
Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	4	10	<0.0001		
	"CALCIUM, DISSOLVED (MG/L AS CA)"	4	32	2.9		
	"IRON, TOTAL (UG/L AS FE)"	4	5	5.8		
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	7.6	0.3		
	"POTASSIUM, DISSOLVED (MG/L AS K)"	4	0.5	0.1		
	"SODIUM, DISSOLVED (MG/L AS NA)"	4	0.8	0.3		
	"SODIUM, PERCENT"	4	1.5	0.6		
	SODIUM ADSORPTION RATIO	4	ND			
	GRTE0058	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190	
		pH	"PH, LAB, STANDARD UNITS SU"	2	6.1	
Phosphate/Phosphorous		"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04		
Temperature		"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7		
Toxic Elements		"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	322		
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	35		
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
		"BORON, DISSOLVED (UG/L AS B)"	2	16		
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	38		
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	40		
	"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	8			
	"COBALT, DISSOLVED (UG/L AS CO)"	2	2			
	"COPPER, DISSOLVED (UG/L AS CU)"	2	12			
	"IRON, DISSOLVED (UG/L AS FE)"	2	207			
	"LITHIUM, DISSOLVED (UG/L AS LI)"	2	7			
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	9.9			
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	12			
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4			
	"NICKEL, DISSOLVED (UG/L AS NI)"	2	18			
"NIOBIUM, DISSOLVED UG/L"	2	4				

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	48	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	13	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.4	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	182	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	
GRTE0064	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR"	16	3.8	4.3
GRTE0070	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	80	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.3	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.09	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	18	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	620	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	55	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	21	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	33	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	9	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	5	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	50	
		"IRON, DISSOLVED (UG/L AS FE)"	2	436	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	7.5	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	28	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	26	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.9	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	6	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.8	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	53	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	11	
		"URANIUM, NATURAL, DISSOLVED"	2	0.7	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	10	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	105	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	8	
GRTE0073	Toxic Elements	"ARSENIC, DISSOLVED (UG/L AS AS)"	2	7	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	500	
		"CADMIUM, DISSOLVED (UG/L AS CD)"	2	1	
		"CHROMIUM, HEXAVALENT (UG/L AS CR)"	2	10	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	10	
		"LEAD, DISSOLVED (UG/L AS PB)"	2	10	
		"SELENIUM, DISSOLVED (UG/L AS SE)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	50	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	20	
GRTE0075	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.05	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
GRTE0077	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	5.3	5.5
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	6.5	4
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	107	1.7
	pH	PH (STANDARD UNITS)	4	8.8	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.004	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	16	2.9
GRTE0085	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	0.7	0.3
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	6.5	1.7
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.05	0.03

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0088	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.01	<0.0001
	Chlorophyll	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	4	2.2	2
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	4	7.3	4.3
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	108	1.8
	pH	PH (STANDARD UNITS)	2	8.6	
GRTE0090	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.006	0.007
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	15	3.5
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	4	104	17
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.09	
	pH	PH (STANDARD UNITS)	2	8.1	
GRTE0091	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.1	0.1
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	4	7.5	2.9
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	11	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	6	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	96	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	12	
GRTE0092	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	20	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	2.6	
GRTE0093		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	1.3	
	pH	PH (STANDARD UNITS)	2	8	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	4	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	7.8	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	1	
GRTE0096	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	21	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	0.2	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.2	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	56	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	10	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	6.9	
GRTE0097	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	60	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	10	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	14	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.5	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	17	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	7.1	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
GRTE0098	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.9	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	5	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	22	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1.3	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.4	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	130	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.4	
GRTE0106	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	4.1	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	14	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	7.7	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	5.1	
GRTE0112	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	17	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS CA)"	2	1.7	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.2	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	110	
GRTE0114	pH	"PH, LAB, STANDARD UNITS SU"	2	7.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	12	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	155	
GRTE0119	pH	"PH, LAB, STANDARD UNITS SU"	2	7.4	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	3.9	
GRTE0119	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	165	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.4	

Station	Parameter Group	Parameter Name	No. samples	Mean	SD
GRTE0129	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	2.8	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	8	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
GRTE0131	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	0.6	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.1	
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	2	9	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	10	
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	2	100	
	pH	"PH, FIELD, STANDARD UNITS SU"	2	8	
GRTE0683	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	2	4.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	ND	
	Toxic Elements	"CALCIUM, TOTAL (MG/L AS Ca)"	2	1.1	
		"MAGNESIUM, TOTAL (MG/L AS MG)"	2	0.5	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	183	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.1	
GRTE0684		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	1	0.02	
	pH	"PH, LAB, STANDARD UNITS SU"	1	8.1	
		PH (STANDARD UNITS)	1	8.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	1	0.01	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	1	2.1	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	12	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	1	24	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	7	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.7	
		"SODIUM, DISSOLVED (MG/L AS Na)"	1	2	
GRTE0684	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	225	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	1	0.1	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	1	0.04	
	pH	"PH, LAB, STANDARD UNITS SU"	1	8	
		PH (STANDARD UNITS)	1	8	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	1	0.01	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	1	3.6	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	5.5	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS Ca)"	1	32	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	10	
	"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.4		
	"SODIUM, DISSOLVED (MG/L AS Na)"	1	0.9		

**APPENDIX E-5** Water Quality Standard Violations In Grays Hoback Sub-basin

## Appendix E-5. Water quality parameter exceedances for Grays Hoback sub-basin.

Parameter Group	Station No.	Parameter Name	Units	Date	Value
Bacteriological	GRTE0031	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	CFU/100ML	09/15/71	1200
	GRTE0032	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	CFU/100ML	11/17/71	2300
	GRTE0035	"COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C"	CFU/100ML	11/17/71	1500
	GRTE0051	"COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG."	MPN/100ML	07/21/75	24000
		"FECAL COLIFORM,MPN,TUBE CONFIGURATION"	MPN/100ML	07/21/75	3500
Clarity/Turbidity	GRTE0001	"TURBIDITY, (JACKSON CANDLE UNITS)"	JTU	04/07/76	94
pH	GRTE0004	"PH, LAB, STANDARD UNITS SU"	SU	09/05/76	6.3
	GRTE0012	"PH, LAB, STANDARD UNITS SU"	SU	09/13/76	6.2
	GRTE0013	"PH, LAB, STANDARD UNITS SU"	SU	09/13/76	6.1
	GRTE0014	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.3
	GRTE0015	"PH, LAB, STANDARD UNITS SU"	SU	09/13/76	6.4
	GRTE0019	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	5.9
	GRTE0020	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.3
	GRTE0021	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	5.9
	GRTE0025	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.3
	GRTE0027	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0029	"PH, LAB, STANDARD UNITS SU"	SU	09/13/76	6.4
	GRTE0030	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0042	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0046	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0050	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0058	"PH, LAB, STANDARD UNITS SU"	SU	09/12/76	6.1
	GRTE0070	"PH, LAB, STANDARD UNITS SU"	SU	09/08/76	5.3
	GRTE0119	"PH, LAB, STANDARD UNITS SU"	SU	10/19/77	6.4
	Toxic Elements	GRTE0001	"CADMIUM, TOTAL (UG/L AS CD)"	UG/L	09/17/76
		"CHROMIUM, TOTAL (UG/L AS CR)"	UG/L	09/17/76	1000
		"COPPER, TOTAL (UG/L AS CU)"	UG/L	09/17/76	5000
		"LEAD, TOTAL (UG/L AS PB)"	UG/L	04/07/76	17000
				09/17/76	40000
		"MERCURY, TOTAL (UG/L AS HG)"	UG/L	09/17/76	1400
		"ZINC, TOTAL (UG/L AS ZN)"	UG/L	09/17/76	70000
GRTE0005		"CADMIUM, TOTAL (UG/L AS CD)"	UG/L	04/07/76	10000
				09/17/76	1000
		"CHROMIUM, TOTAL (UG/L AS CR)"	UG/L	09/17/76	6000
		"COPPER, TOTAL (UG/L AS CU)"	UG/L	09/17/76	2000
		"LEAD, TOTAL (UG/L AS PB)"	UG/L	04/07/76	5000
				09/17/76	47000
		"MERCURY, TOTAL (UG/L AS HG)"	UG/L	09/17/76	1200
		"ZINC, TOTAL (UG/L AS ZN)"	UG/L	04/07/76	110000
				09/17/76	75000
GRTE0006		"CADMIUM, TOTAL (UG/L AS CD)"	UG/L	09/17/76	1000
		"CHROMIUM, TOTAL (UG/L AS CR)"	UG/L	09/17/76	6000
		"COPPER, TOTAL (UG/L AS CU)"	UG/L	09/17/76	2000
		"LEAD, TOTAL (UG/L AS PB)"	UG/L	09/17/76	1500
		"MERCURY, TOTAL (UG/L AS HG)"	UG/L	09/17/76	1200
		"ZINC, TOTAL (UG/L AS ZN)"	UG/L	09/17/76	2000
GRTE0012		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/13/76	7
GRTE0013		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/13/76	4
GRTE0014		"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	18
		"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/12/76	4
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	158
GRTE0019		"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	18
		"NICKEL, DISSOLVED (UG/L AS NI)"	UG/L	09/12/76	117
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	355
GRTE0020		"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	12
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	230
GRTE0021		"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	19
	"NICKEL, DISSOLVED (UG/L AS NI)"	UG/L	09/12/76	82	
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	262	
GRTE0023	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/13/76	4	
GRTE0024	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/13/76	5	
GRTE0025	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	13	
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	238	



GRTE0027	"CHROMIUM, DISSOLVED (UG/L AS CR)"	UG/L	09/12/76	624
	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	78
	"NICKEL, DISSOLVED (UG/L AS NI)"	UG/L	09/12/76	297
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	375
GRTE0039	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/13/76	4
GRTE0040	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/13/76	13
GRTE0041	"CADMIUM, DISSOLVED (UG/L AS CD)"	UG/L	06/22/92	10
	"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	06/22/92	0.1
GRTE0042	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	16
	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/12/76	6
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	215
GRTE0044	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/13/76	5
GRTE0046	"CHROMIUM, DISSOLVED (UG/L AS CR)"	UG/L	09/12/76	504
	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	51
	"NICKEL, DISSOLVED (UG/L AS NI)"	UG/L	09/12/76	169
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	395
GRTE0050	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	17
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	321
GRTE0058	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/12/76	12
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/12/76	182
GRTE0070	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	09/08/76	50
	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	09/08/76	6
	"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	09/08/76	105
GRTE0073	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	03/14/73	10
	"LEAD, DISSOLVED (UG/L AS PB)"	UG/L	03/14/73	10
	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	03/14/73	50

**APPENDIX F-1** No. Of Data Records In Each Parameter Group For Each Site In  
Lower Henry's Sub-basin

**Appendix F-1.** No. of data records in each parameter group for each site in the Lower Henry's sub-basin.

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0553	2			4	2			2	2			2	16
GRTE0588					2				2			2	2
GRTE0589					2				2			2	2
GRTE0591					2				2			2	2
GRTE0627	4				2	4			4	2			
GRTE0636					3				3			3	3
GRTE0637					2			4	4	2	2	2	8
GRTE0639					3				3			3	3
GRTE0640	3			6	3			3	3			3	24
GRTE0642	8	2	2	10	21	22		12	21	8	4	21	64
GRTE0643	12	3		12	6	12	3	22	6	12	6	6	96
GRTE0654					3				3			3	3
GRTE0657					3				3			3	3
GRTE0658					3				3			3	3
GRTE0672					3				3			3	3

**APPENDIX F-2** No. Of Years In Record For Each Parameter Group For Each Site  
in Lower Henry's Sub-basin

**Appendix F-2.** No. of years with data in each parameter group in Lower Henry's sub-basin. Columns at right side of table indicate stations with data from more than 2 years. Note that years with data are not necessarily consecutive.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2 years of data in 2 or more groups
GRTE0553	1			1	1			1	1			1	1		
GRTE0588					1				1			1	1		
GRTE0589					1				1			1	1		
GRTE0591					1				1			1	1		
GRTE0627	1				1	1			1	1					
GRTE0636					1				1			1	1		
GRTE0637					1			1	1	1	1	1	1		
GRTE0639					1				1			1	1		
GRTE0640	1			1	1			1	1			1	1		
GRTE0642	2	1	2	2	2	2		2	2	2	2	2	2		
GRTE0643	2	1		2	2	2	1	2	2	2	2	2	2		
GRTE0654					1				1			1	1		
GRTE0657					1				1			1	1		
GRTE0658					1				1			1	1		
GRTE0672					1				1			1	1		

**APPENDIX F-3** Year with Most Recent Data In Each Parameter Group For Each Site In Lower Henry's Sub-basin

**Appendix F-3.** Year with most recent data in each parameter group for each site in Lower Henry's sub-basin.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0553	1985			1985	1985			1985	1985			1985	1985
GRTE0588					1978				1978			1978	1978
GRTE0589					1978				1978			1978	1978
GRTE0591					1978				1978			1978	1978
GRTE0627	1954				1954	1954			1954	1954			
GRTE0636					1978				1978			1978	1978
GRTE0637					1992			1992	1992	1992	1992	1992	1992
GRTE0639					1978				1978			1978	1978
GRTE0640	1985			1985	1985			1985	1985			1985	1985
GRTE0642	1993	1993	1993	1993	1993	1993		1993	1993	1993	1993	1993	1993
GRTE0643	1993	1993		1993	1993	1993	1991	1993	1993	1993	1993	1993	1993
GRTE0654					1978				1978			1978	1978
GRTE0657					1978				1978			1978	1978
GRTE0658					1978				1978			1978	1978
GRTE0672					1978				1978			1978	1978

**APPENDIX F-4** Summary Data For Individual Site / Parameter Combinations In  
Lower Henry's Sub-basin



**Appendix F-4.** No. of samples, mean and standard deviation of parameter values for all sampling locations in Lower Henry's sub-basin.

Station	Parameter Group	Parameter Name	N	Mean	SD
GRTE0553	Alkalinity	"ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L"	2	243	
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	2	4.2	
		"TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU"	2	0.9	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	28	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	2	0.008	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	13	
	Toxic Elements	"ALUMINUM, TOTAL (UG/L AS AL)"	2	13	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	0.7	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	10	
		"PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L"	2	22	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.8	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.7	
CALCIUM (MG/L AS CaCO3)		2	2.8		
IRON (UG/L AS FE)	2	74			
GRTE0588	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	170	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1	
GRTE0589	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	160	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.7	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	11	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
GRTE0591	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	120	
	pH	"PH, LAB, STANDARD UNITS SU"	2	5.9	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.8	
GRTE0627	Alkalinity	"ALKALINITY, PHENOLPHTHALEIN (MG/L)"	4	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	30	
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	4	7.9	1.1
	pH	PH (STANDARD UNITS)	4	7	0.2
	Phosphate/Phosphorous	"PHOSPHATE, TOTAL (MG/L AS PO4)"	2	0.2	
GRTE0636	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	70	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	8	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.6	<0.0001
GRTE0637	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	22	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.05	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.02	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.2	
		PH (STANDARD UNITS)	2	6.1	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	0.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	9	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	2.1	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	0.5	
"POTASSIUM, DISSOLVED (MG/L AS K)"		2	0.6		
"SODIUM, DISSOLVED (MG/L AS NA)"		2	1.1		
GRTE0639	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	75	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.7	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	14	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.6	<0.0001
GRTE0640	Alkalinity	"ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L"	3	158	0.03
	Clarity/Turbidity	"TRANSPARENCY, SECCHI DISC (METERS)"	3	5.1	<0.0001
		"TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU"	3	0.4	<0.0001
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	19	0.03
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	3	0.02	0.001
		"PH, LAB, STANDARD UNITS SU"	3	7.2	0.003
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	11	<0.0001
	Toxic Elements	"ALUMINUM, TOTAL (UG/L AS AL)"	3	13	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	3	0.4	0.01

Station	Parameter Group	Parameter Name	N	Mean	SD
		"MANGANESE, DISSOLVED (UG/L AS MN)"	3	ND	
		"PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L"	3	ND	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	3	0.6	0.002
		"SODIUM, DISSOLVED (MG/L AS NA)"	3	1	<0.0001
		CALCIUM (MG/L AS CaCO3)	3	1.9	0.02
		IRON (UG/L AS FE)	3	4	<0.0001
GRTE0642	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	4	10	<0.0001
		CARBONATE ION (MG/L AS CO3)	4	ND	
	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	2	2	
	Chlorophyll	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	2	0.7	
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	4	1.3	0.5
		"TRANSPARENCY, SECCHI DISC (METERS)"	2	5.6	
		"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	4	1	<0.0001
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	21	20	0.5
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	21	8.1	0.3
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	1	101	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	4	0.01	0.005
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	4	0.02	0.006
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	4	0.1	0.02
	pH	PH (STANDARD UNITS)	21	6.9	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	4	0.003	0.001
		"PHOSPHORUS, TOTAL (MG/L AS P)"	4	0.008	0.003
	Sulfates	"SULFATE, DISSOLVED (MG/L AS SO4)"	4	0.8	0.3
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	21	11	3.5
	Toxic Elements	"ARSENIC, TOTAL (UG/L AS AS)"	4	2	<0.0001
		"BORON, DISSOLVED (UG/L AS B)"	4	50	<0.0001
		"CADMIUM, TOTAL (UG/L AS CD)"	4	1.5	0.6
		"CALCIUM, DISSOLVED (MG/L AS CA)"	4	1.9	0.1
		"CHROMIUM, TOTAL (UG/L AS CR)"	4	2	<0.0001
		"COPPER, TOTAL (UG/L AS CU)"	4	2	<0.0001
		"IRON, TOTAL (UG/L AS FE)"	4	98	97
		"LEAD, TOTAL (UG/L AS PB)"	4	2	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	4	0.5	0.05
		"MANGANESE, TOTAL (UG/L AS MN)"	4	23	25
		"MERCURY, TOTAL (UG/L AS HG)"	4	0.2	0.05
		"POTASSIUM, DISSOLVED (MG/L AS K)"	4	0.8	<0.0001
		"SELENIUM, TOTAL (UG/L AS SE)"	4	2	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	4	1.1	0.1
		"ZINC, TOTAL (UG/L AS ZN)"	4	3.5	1.7
			SODIUM ADSORPTION RATIO	4	0.2
GRTE0643	Alkalinity	BICARBONATE ION (MG/L AS HCO3)	6	10	0.3
		CARBONATE ION (MG/L AS CO3)	6	ND	
	Bacteriological	"FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C"	3	2	<0.0001
	Clarity/Turbidity	"RESIDUE, TOTAL NONFILTRABLE (MG/L)"	6	1	<0.0001
		"TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)"	6	1	<0.0001
	Conductivity	"SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)"	6	20	<0.0001
	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	6	9.4	0.1
		"OXYGEN, DISSOLVED, PERCENT OF SATURATION %"	6	101	1.9
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	3	90	<0.0001
	Nitrate/Nitrogen	"AMMONIA, UNIONIZED (MG/L AS N)"	4	0	<0.0001
		"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	6	0.02	0.005
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	3	0.02	<0.0001
		"NITROGEN, AMMONIA, TOTAL (MG/L AS N)"	3	0.01	<0.0001
		"NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)"	6	0.07	<0.0001
	pH	PH (STANDARD UNITS)	6	7.3	0.2
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	6	0.003	0.001
		"PHOSPHORUS, TOTAL (MG/L AS P)"	6	0.01	0.0005
	Sulfates	"SULFATE, DISSOLVED (MG/L AS SO4)"	6	0.7	0.3
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	6	7.5	0.7
	Toxic Elements	"ARSENIC, TOTAL (UG/L AS AS)"	6	2	<0.0001
		"BORON, DISSOLVED (UG/L AS B)"	6	65	16
		"CADMIUM, TOTAL (UG/L AS CD)"	6	1.5	0.5
		"CALCIUM, DISSOLVED (MG/L AS CA)"	6	1.9	0.1
		"CHROMIUM, TOTAL (UG/L AS CR)"	6	2	<0.0001
		"COPPER, TOTAL (UG/L AS CU)"	6	2	<0.0001

Station	Parameter Group	Parameter Name	N	Mean	SD
		"IRON, TOTAL (UG/L AS FE)"	6	95	60
		"LEAD, TOTAL (UG/L AS PB)"	6	2	<0.0001
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	6	0.5	0.007
		"MANGANESE, TOTAL (UG/L AS MN)"	6	30	11
		"MERCURY, TOTAL (UG/L AS HG)"	6	1.1	1
		"POTASSIUM, DISSOLVED (MG/L AS K)"	6	0.8	0.001
		"SELENIUM, TOTAL (UG/L AS SE)"	6	2	<0.0001
		"SODIUM, DISSOLVED (MG/L AS NA)"	6	1.2	<0.0001
		"ZINC, TOTAL (UG/L AS ZN)"	6	3.5	1.6
		SODIUM ADSORPTION RATIO	6	0.2	<0.0001
GRTE0654	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	24	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	15	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	0.7	<0.0001
GRTE0657	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	20	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	14	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.8	<0.0001
GRTE0658	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	70	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	14	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.4	<0.0001
GRTE0672	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3	95	<0.0001
	pH	"PH, LAB, STANDARD UNITS SU"	3	5.5	<0.0001
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	3	18	<0.0001
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	3	1.7	<0.0001

**APPENDIX F-5** Water Quality Standard Violations In Lower Henry's Sub-basin

## Appendix F-5. Water quality parameter exceedances for Lower Henrys sub-basin.

Parameter Group	Station No.	Parameter Name	Units	Date	Value
pH	GRTE0588	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.7
	GRTE0589	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.7
	GRTE0591	"PH, LAB, STANDARD UNITS SU"	SU	09/01/78	5.9
	GRTE0636	"PH, LAB, STANDARD UNITS SU"	SU	08/31/78	5
	GRTE0637	"PH, LAB, STANDARD UNITS SU"	SU	06/27/92	6.2
		PH (STANDARD UNITS)	SU	06/27/92	6.1
	GRTE0639	"PH, LAB, STANDARD UNITS SU"	SU	09/05/78	5.7
	GRTE0654	"PH, LAB, STANDARD UNITS SU"	SU	09/05/78	5.5
	GRTE0657	"PH, LAB, STANDARD UNITS SU"	SU	09/03/78	5.5
	GRTE0658	"PH, LAB, STANDARD UNITS SU"	SU	09/03/78	5.5
GRTE0672	"PH, LAB, STANDARD UNITS SU"	SU	09/03/78	5.5	
Toxic Elements	GRTE0642	"MERCURY, TOTAL (UG/L AS HG)"	UG/L	07/23/91	0.5
				07/21/93	0.2
	GRTE0643	"MERCURY, TOTAL (UG/L AS HG)"	UG/L	07/23/91	0.2
				07/21/93	2

**APPENDIX G-1** No. Of Data Records In Each Parameter Group For Each Site In  
Teton Sub-basin

**Appendix G-1.** No. of data records in each parameter group for each site in the Teton sub-basin.

Station	Alkalinity	Bacteria	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrogen	pH	Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0113					2		2	4	4	4	2	2	8
GRTE0124					2		2	4	4	4	2	2	8
GRTE0127					2					2		2	56
GRTE0133					2		2	4	4	4	2	2	8
GRTE0136					2							2	2
GRTE0143					2							2	2
GRTE0218					2					2		2	56
GRTE0220					2					2		2	56
GRTE0239	3				1		1	2	1		3	1	8
GRTE0240					2					2		2	56
GRTE0242					2					2		2	56
GRTE0243	3				1		1		1	1	2	1	16
GRTE0244					2		2	4	4	4	2	2	24
GRTE0246					2					2		2	56
GRTE0285					2					2		2	56
GRTE0286					2			4	4	4	2	2	8
GRTE0341					2					2		2	56
GRTE0344					2					2		2	56
GRTE0359						2			2				
GRTE0360						2			2				
GRTE0409					2							2	2
GRTE0410					2							2	2
GRTE0411					2							2	2
GRTE0412					2							2	2
GRTE0431					2							2	2
GRTE0448					2							2	2
GRTE0452					2							2	2
GRTE0456					2		2	4	4	4	2	2	8
GRTE0462					2							2	2
GRTE0473					2							2	2
GRTE0480					2							2	2
GRTE0482					2							2	2
GRTE0514					2							2	2
GRTE0515					2							2	2
GRTE0517					2							2	2
GRTE0529					2							2	2
GRTE0682		1						1			3		

**APPENDIX G-2** No. Of Years In Record For Each Parameter Group For Each Site in Teton Sub-basin



**Appendix G-2.** No. of years with data in each parameter group in Teton sub-basin. Columns at right side of table indicate stations with data from more than 2 years. Note that years with data are not necessarily consecutive.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements	> 2 years of data for 1 or more groups	> 2years of data in 2 or more groups
GRTE0113					1		1	1	1	1	1	1	1		
GRTE0124					1		1	1	1	1	1	1	1		
GRTE0127					1					1		1	1		
GRTE0133					1		1	1	1	1	1	1	1		
GRTE0136					1							1	1		
GRTE0143					1							1	1		
GRTE0218					1					1		1	1		
GRTE0220					1					1		1	1		
GRTE0239	1				1		1	1	1		1	1	1		
GRTE0240					1					1		1	1		
GRTE0242					1							1	1		
GRTE0243	1				1		1		1	1	1	1	1		
GRTE0244					1		1	1	1	1	1	1	1		
GRTE0246					1					1		1	1		
GRTE0285					1					1		1	1		
GRTE0286					1			1	1	1	1	1	1		
GRTE0341					1					1		1	1		
GRTE0344					1					1		1	1		
GRTE0359						1			1						
GRTE0360						1			1						
GRTE0409					1							1	1		
GRTE0410					1							1	1		
GRTE0411					1							1	1		
GRTE0412					1							1	1		
GRTE0431					1							1	1		
GRTE0448					1							1	1		
GRTE0452					1							1	1		
GRTE0456					1		1	1	1	1	1	1	1		
GRTE0462					1							1	1		
GRTE0473					1							1	1		
GRTE0480					1							1	1		
GRTE0482					1							1	1		
GRTE0514					1							1	1		
GRTE0515					1							1	1		
GRTE0517					1							1	1		
GRTE0529					1							1	1		
GRTE0682		1						1			1				

**APPENDIX G-3** Year with Most Recent Data In Each Parameter Group For Each Site In Teton Sub-basin

**Appendix G-3.** Year with most recent data in each parameter group for each site in Teton sub-basin.

Station	Alkalinity	Bacteriological	Chlorophyll	Clarity/Turbidity	Conductivity	Dissolved Oxygen	Flow	Nitrate/Nitrogen	pH	Phosphate/Phosphorous	Sulfates	Temperature	Toxic Elements
GRTE0113					1991		1991	1991	1991	1991	1991	1991	1991
GRTE0124					1991		1991	1991	1991	1991	1991	1991	1991
GRTE0127					1977					1977		1977	1977
GRTE0133					1991		1991	1991	1991	1991	1991	1991	1991
GRTE0136					1977							1977	1977
GRTE0143					1977							1977	1977
GRTE0218					1977					1977		1977	1977
GRTE0220					1977					1977		1977	1977
GRTE0239	1973				1973		1973	1973	1973		1973	1973	1973
GRTE0240					1977					1977		1977	1977
GRTE0242					1977					1977		1977	1977
GRTE0243	1977				1977		1977		1977	1977	1977	1977	1977
GRTE0244					1991		1991	1991	1991	1991	1991	1991	1991
GRTE0246					1977					1977		1977	1977
GRTE0285					1977					1977		1977	1977
GRTE0286					1991			1991	1991	1991	1991	1991	1991
GRTE0341					1977					1977		1977	1977
GRTE0344					1977					1977		1977	1977
GRTE0359						1958			1958				
GRTE0360						1958			1958				
GRTE0409					1977							1977	1977
GRTE0410					1977							1977	1977
GRTE0411					1977							1977	1977
GRTE0412					1977							1977	1977
GRTE0431					1977							1977	1977
GRTE0448					1977							1977	1977
GRTE0452					1977							1977	1977
GRTE0456					1991		1991	1991	1991	1991	1991	1991	1991
GRTE0462					1977							1977	1977
GRTE0473					1977							1977	1977
GRTE0480					1977							1977	1977
GRTE0482					1977							1977	1977
GRTE0514					1977							1977	1977
GRTE0515					1977							1977	1977
GRTE0517					1977							1977	1977
GRTE0529					1977							1977	1977
GRTE0682		1975						1975			1975		

**APPENDIX G-4** Summary Data For Individual Site / Parameter Combinations In  
Teton Sub-basin

**Appendix G-4.** No. of samples, mean and standard deviation of parameter values for all sampling locations in Teton sub-basin.

Station	Parameter Group	Parameter Name	N	Mean	SD		
GRTE0113	Flow	"FLOW, RATE, INSTANTANEOUS GALLONS/MIN"	2	800			
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.2			
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01			
	pH	"PH, LAB, STANDARD UNITS SU"	2	8.2			
		PH (STANDARD UNITS)	2	7.5			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01			
		"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01			
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	1.2			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2			
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	22			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	6.4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.2			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	0.6			
GRTE0124	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200			
	Flow	"FLOW, RATE, INSTANTANEOUS GALLONS/MIN"	2	500			
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.2			
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01			
	pH	"PH, LAB, STANDARD UNITS SU"	2	8			
		PH (STANDARD UNITS)	2	7.3			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01			
		"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01			
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	1.1			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5			
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	28			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	8.4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.3			
"SODIUM, DISSOLVED (MG/L AS NA)"		2	0.5				
GRTE0127	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	190			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4			
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	36			
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	17			
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1			
		"BORON, DISSOLVED (UG/L AS B)"	2	10			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	57			
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30			
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4			
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2			
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2			
		"IRON, DISSOLVED (UG/L AS FE)"	2	58			
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	19			
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2			
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	12			
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	17			
		"NIOBIUM, DISSOLVED UG/L"	2	4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.1			
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.1			
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	36			
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5			
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2			
		"URANIUM, NATURAL, DISSOLVED"	2	1.2			
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	39			
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
		GRTE0133	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	265	
			Flow	"FLOW, RATE, INSTANTANEOUS GALLONS/MIN"	2	35	
Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"		2	0.2			

Station	Parameter Group	Parameter Name	N	Mean	SD
	pH	"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01	
		"PH, LAB, STANDARD UNITS SU"	2	8.2	
	Phosphate/Phosphorous	PH (STANDARD UNITS)	2	7.3	
		"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01	
	Sulfates	"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.01	
		"SULFATE, TOTAL (MG/L AS SO4)"	2	3.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.5	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	36	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	11	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.3	
"SODIUM, DISSOLVED (MG/L AS NA)"		2	0.6		
GRTE0136	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	210	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
GRTE0143	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	200	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0218	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	120	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	45	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	6	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	29	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	7	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	2	
		"IRON, DISSOLVED (UG/L AS FE)"	2	20	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	6.1	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	2	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	16	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	4	
		"NIOBIUM, DISSOLVED UG/L"	2	11	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.3	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.4	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	35	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	4.1	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	8	
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	3		
GRTE0220	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	115	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.06	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	44	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	44	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	5	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	25	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	38	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	18	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	7	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	12	
		"IRON, DISSOLVED (UG/L AS FE)"	2	63	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	5.5	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	4	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	

Station	Parameter Group	Parameter Name	N	Mean	SD
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	17	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.4	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.6	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	33	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	17	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	5.3	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	12	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	2	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	75	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	12	
GRTE0239	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CaCO3)"	1	85	
		BICARBONATE ION (MG/L AS HCO3)	1	104	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	174	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	1	67	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS N)"	1	0.07	
		"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.3	
	pH	PH (STANDARD UNITS)	1	8.2	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	90	
		"RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L"	1	92	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	3	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	5.5	
	Toxic Elements	"BORON, DISSOLVED (UG/L AS B)"	1	20	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	33	
		"IRON, DISSOLVED (UG/L AS FE)"	1	10	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	1.7	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	1	0.5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	1	0.5	
		"SODIUM, PERCENT"	1	1	
SODIUM ADSORPTION RATIO		1	ND		
			2		
GRTE0240	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	135	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.05	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	41	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	60	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	8	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	47	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	5	
		"IRON, DISSOLVED (UG/L AS FE)"	2	69	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	4	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	8.9	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	8	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	5	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.8	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	47	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	3.6	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	6	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	59	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2	

Station	Parameter Group	Parameter Name	N	Mean	SD
GRTE0242	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	32	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	40	
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	27	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	4	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	7.7	
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	4	
		"COBALT, DISSOLVED (UG/L AS CO)"	2	21	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	4	
		"IRON, DISSOLVED (UG/L AS FE)"	2	45	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	1.7	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	3	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	18	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	11	
		"NIOBIUM, DISSOLVED UG/L"	2	17	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.4	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.6	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	14	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	7	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2	
		"URANIUM, NATURAL, DISSOLVED"	2	1.9	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	30	
"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"		2	2		
GRTE0243	Alkalinity	"ALKALINITY, TOTAL (MG/L AS CACO3)"	1	110	
		BICARBONATE ION (MG/L AS HCO3)	1	140	
		CARBONATE ION (MG/L AS CO3)	1	ND	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1	204	
	Flow	"FLOW, STREAM, INSTANTANEOUS CFS"	1	10	
	pH	PH (STANDARD UNITS)	1	7.4	
	Phosphate/Phosphorous	"PHOSPHORUS, TOTAL (MG/L AS P)"	1	0.01	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CACO3)"	1	130	
		"SULFATE, TOTAL (MG/L AS SO4)"	1	2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	1	14	
	Toxic Elements	"ARSENIC, DISSOLVED (UG/L AS AS)"	1	1	
		"BARIUM, DISSOLVED (UG/L AS BA)"	1	100	
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	1	10	
		"BORON, DISSOLVED (UG/L AS B)"	1	2	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	1	37	
		"IRON, DISSOLVED (UG/L AS FE)"	1	40	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	1	2	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	1	8.5	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	1	10	
		"MERCURY, DISSOLVED (UG/L AS HG)"	1	0.5	
"POTASSIUM, DISSOLVED (MG/L AS K)"		1	0.8		
"SELENIUM, DISSOLVED (UG/L AS SE)"		1	1		
"SODIUM, DISSOLVED (MG/L AS NA)"		1	2.2		
"SODIUM, PERCENT"		1	4		
"STRONTIUM, DISSOLVED (UG/L AS SR)"		1	80		
SODIUM ADSORPTION RATIO		1	0.1		
GRTE0244		Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	205
	Flow	"FLOW, RATE, INSTANTANEOUS GALLONS/MIN"	2	12	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.1	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01	
	pH	"PH, LAB, STANDARD UNITS SU"	2	7.8	
		PH (STANDARD UNITS)	2	7	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01	
"PHOSPHORUS, TOTAL (MG/L AS P)"		2	0.01		



Station	Parameter Group	Parameter Name	N	Mean	SD
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	2	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6.5	
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	10	
		"ARSENIC, DISSOLVED (UG/L AS AS)"	2	1	
		"BORON, DISSOLVED (UG/L AS B)"	2	10	
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	30	
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	1	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	1	
		"LEAD, DISSOLVED (UG/L AS PB)"	2	1	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	8.6	
		"MERCURY, DISSOLVED (UG/L AS HG)"	2	0.1	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.8	
	"SELENIUM, DISSOLVED (UG/L AS SE)"	2	1		
"SODIUM, DISSOLVED (MG/L AS NA)"	2	2.4			
GRTE0246	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	250	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	85		
	"BARIUM, DISSOLVED (UG/L AS BA)"	2	35		
	"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
	"BORON, DISSOLVED (UG/L AS B)"	2	14		
	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	94		
	"CERIUM, DISSOLVED (UG/L AS CE)"	2	30		
	"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	8		
	"COBALT, DISSOLVED (UG/L AS CO)"	2	2		
	"COPPER, DISSOLVED (UG/L AS CU)"	2	2		
	"IRON, DISSOLVED (UG/L AS FE)"	2	85		
	"LITHIUM, DISSOLVED (UG/L AS LI)"	2	4		
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	22		
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	10		
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4		
	"NICKEL, DISSOLVED (UG/L AS NI)"	2	4		
	"NIOBIUM, DISSOLVED UG/L"	2	14		
	"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.8		
	"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1		
	"SILVER, DISSOLVED (UG/L AS AG)"	2	2		
	"SODIUM, DISSOLVED (MG/L AS NA)"	2	2		
	"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	74		
	"THORIUM, DISSOLVED IN WATER UG/L"	2	5		
	"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2		
	"URANIUM, NATURAL, DISSOLVED"	2	0.3		
	"VANADIUM, DISSOLVED (UG/L AS V)"	2	12		
	"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1		
	"ZINC, DISSOLVED (UG/L AS ZN)"	2	21		
	"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	11		
GRTE0285	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	390	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5.5	
Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	46		
	"BARIUM, DISSOLVED (UG/L AS BA)"	2	73		
	"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1		
	"BORON, DISSOLVED (UG/L AS B)"	2	36		
	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	209		
	"CERIUM, DISSOLVED (UG/L AS CE)"	2	30		
	"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	9		
	"COBALT, DISSOLVED (UG/L AS CO)"	2	2		
	"COPPER, DISSOLVED (UG/L AS CU)"	2	14		
	"IRON, DISSOLVED (UG/L AS FE)"	2	100		
	"LITHIUM, DISSOLVED (UG/L AS LI)"	2	3		
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	44		
	"MANGANESE, DISSOLVED (UG/L AS MN)"	2	6		
	"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	7		
	"NICKEL, DISSOLVED (UG/L AS NI)"	2	35		
	"NIOBIUM, DISSOLVED UG/L"	2	19		
	"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.6		

Station	Parameter Group	Parameter Name	N	Mean	SD		
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	3.5			
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	110			
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5			
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	2			
		"URANIUM, NATURAL, DISSOLVED"	2	0.1			
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	104			
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	2			
		GRTE0286	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	455	
Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"		2	0.2			
	"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"		2	0.01			
pH	"PH, LAB, STANDARD UNITS SU"		2	7.8			
	PH (STANDARD UNITS)		2	7.3			
Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"		2	0.01			
	"PHOSPHORUS, TOTAL (MG/L AS P)"		2	0.01			
Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"		2	2.2			
Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"		2	6			
Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"		2	72			
	"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	15				
	"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.4				
	"SODIUM, DISSOLVED (MG/L AS NA)"	2	1				
GRTE0341	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	180			
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.1			
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4			
	Toxic Elements	"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	349			
		"BARIUM, DISSOLVED (UG/L AS BA)"	2	80			
		"BERYLLIUM, DISSOLVED (UG/L AS BE)"	2	1			
		"BORON, DISSOLVED (UG/L AS B)"	2	53			
		"CALCIUM, DISSOLVED (MG/L AS CA)"	2	147			
		"CERIUM, DISSOLVED (UG/L AS CE)"	2	30			
		"CHROMIUM, DISSOLVED (UG/L AS CR)"	2	5			
		"COBALT, DISSOLVED (UG/L AS CO)"	2	2			
		"COPPER, DISSOLVED (UG/L AS CU)"	2	30			
		"IRON, DISSOLVED (UG/L AS FE)"	2	276			
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	10			
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	35			
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	32			
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	4			
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	7			
		"NIOBIUM, DISSOLVED UG/L"	2	4			
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	2.5			
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1			
		"SILVER, DISSOLVED (UG/L AS AG)"	2	2			
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	4.8			
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	121			
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5			
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4			
		"URANIUM, NATURAL, DISSOLVED"	2	1.2			
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	4			
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1			
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	193			
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	3			
		GRTE0344	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	320	
			Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED (MG/L AS P)"	2	0.04	
			Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
Toxic Elements			"ALUMINUM, DISSOLVED (UG/L AS AL)"	2	126		
	"BARIUM, DISSOLVED (UG/L AS BA)"		2	88			
	"BERYLLIUM, DISSOLVED (UG/L AS BE)"		2	1			
	"BORON, DISSOLVED (UG/L AS B)"		2	36			
	"CALCIUM, DISSOLVED (MG/L AS CA)"		2	211			
	"CERIUM, DISSOLVED (UG/L AS CE)"		2	33			
"CHROMIUM, DISSOLVED (UG/L AS CR)"	2		4				

Station	Parameter Group	Parameter Name	N	Mean	SD
		"COBALT, DISSOLVED (UG/L AS CO)"	2	4	
		"COPPER, DISSOLVED (UG/L AS CU)"	2	7	
		"IRON, DISSOLVED (UG/L AS FE)"	2	114	
		"LITHIUM, DISSOLVED (UG/L AS LI)"	2	8	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	51	
		"MANGANESE, DISSOLVED (UG/L AS MN)"	2	58	
		"MOLYBDENUM, DISSOLVED (UG/L AS MO)"	2	18	
		"NICKEL, DISSOLVED (UG/L AS NI)"	2	9	
		"NIOBIUM, DISSOLVED UG/L"	2	4	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	1.6	
		"SCANDIUM, DISSOLVED (UG/L AS SC)"	2	1	
		"SILVER, DISSOLVED (UG/L AS AG)"	2	5	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	3.2	
		"STRONTIUM, DISSOLVED (UG/L AS SR)"	2	138	
		"THORIUM, DISSOLVED IN WATER UG/L"	2	5	
		"TITANIUM, DISSOLVED (UG/L AS TI)"	2	4	
		"URANIUM, NATURAL, DISSOLVED"	2	0.2	
		"VANADIUM, DISSOLVED (UG/L AS V)"	2	13	
		"YTTRIUM, DISSOLVED (UG/L AS Y)"	2	1	
		"ZINC, DISSOLVED (UG/L AS ZN)"	2	58	
		"ZIRCONIUM, DISSOLVED (UG/L AS ZR)"	2	7	
GRTE0359	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	7.6	
	pH	PH (STANDARD UNITS)	2	7.3	
GRTE0360	Dissolved Oxygen	"OXYGEN, DISSOLVED MG/L"	2	7.4	
	pH	PH (STANDARD UNITS)	2	7.4	
GRTE0409	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	20	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
GRTE0410	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	19	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	6.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
GRTE0411	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	120	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.2	
GRTE0412	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	40	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.3	
GRTE0431	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	27	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
GRTE0448	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	22	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3.5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.2	
GRTE0452	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	37	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	7	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.8	
GRTE0456	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	16	
	Flow	"FLOW, RATE, INSTANTANEOUS GALLONS/MIN"	2	5	
	Nitrate/Nitrogen	"NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)"	2	0.05	
		"NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)"	2	0.01	
	pH	"PH, LAB, STANDARD UNITS SU"	2	6.8	
		PH (STANDARD UNITS)	2	6.4	
	Phosphate/Phosphorous	"PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)"	2	0.01	
		"PHOSPHORUS, TOTAL (MG/L AS P)"	2	0.02	
	Sulfates	"SULFATE, TOTAL (MG/L AS SO4)"	2	0.8	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
	Toxic Elements	"CALCIUM, DISSOLVED (MG/L AS CA)"	2	1.5	
		"MAGNESIUM, DISSOLVED (MG/L AS MG)"	2	0.3	
		"POTASSIUM, DISSOLVED (MG/L AS K)"	2	0.3	
		"SODIUM, DISSOLVED (MG/L AS NA)"	2	1.4	
GRTE0462	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	25	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.8	
GRTE0473	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	21	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4.5	

Station	Parameter Group	Parameter Name	N	Mean	SD
GRTE0480	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.4	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	35	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
GRTE0482	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	18	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
GRTE0514	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.1	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	110	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	5	
GRTE0515	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.5	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	19	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	3	
GRTE0517	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	1.3	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	55	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	2.5	
GRTE0529	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.6	
	Conductivity	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2	59	
	Temperature	"TEMPERATURE, WATER (DEGREES CENTIGRADE)"	2	4	
GRTE0682	Toxic Elements	"URANIUM, NATURAL, DISSOLVED"	2	0.9	
	Bacteriological	"COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)"	1	2.2	
	Nitrate/Nitrogen	"NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)"	1	0.1	
	Sulfates	"HARDNESS, TOTAL (MG/L AS CaCO3)"	1	150	
"RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L"		1	132		
		"SULFATE, TOTAL (MG/L AS SO4)"	1	1.6	

**APPENDIX G-5** Water Quality Standard Violations In Teton Sub-basin

## Appendix G-5. Water quality parameter exceedances for Teton sub-basin.

Parameter Group	Station No.	Parameter Name	Units	Date	Value
pH	GRTE0456	PH (STANDARD UNITS)	SU	08/08/91	6.37
Toxic Elements	GRTE0220	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	10/28/77	12
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	10/28/77	75
	GRTE0243	"BERYLLIUM, DISSOLVED (UG/L AS BE)"	UG/L	07/12/77	10
		"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	07/12/77	0.5
	GRTE0244	"MERCURY, DISSOLVED (UG/L AS HG)"	UG/L	08/06/91	0.1
	GRTE0285	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	10/28/77	14
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	10/28/77	104
	GRTE0341	"COPPER, DISSOLVED (UG/L AS CU)"	UG/L	10/27/77	30
		"ZINC, DISSOLVED (UG/L AS ZN)"	UG/L	10/27/77	193
	GRTE0344	"SILVER, DISSOLVED (UG/L AS AG)"	UG/L	10/28/77	5