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QUALITY OF GROUND WATER IN THE PUGET SOUND REGION, WASHINGTON, 1981

By G. L. Turney

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QUALITY OF GROUND WATER IN THE PUGET SOUND REGION, WASHINGTON, 1981

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ABSTRACT

Ground water from more than 100 sites in the Puget Sound region, Washington, was sampled and analyzed in 1981 for pH, specific conductance, and concentrations of fecal-coliform bacteria, major ions, and dissolved iron, manganese, and nitrate. Twenty percent of the samples were analyzed for concentrations of dissolved trace metals including aluminum, arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc.

The predominant water types were calcium bicarbonate and calcium-magnesium bicarbonate. Some wells in San Juan and Island Counties contained sodium chloride as a result of seawater intrusion. Dissolved-solids concentrations were generally less than 150 mg/L (milligrams per liter). Iron concentrations exceeded 300 ug/l (micrograms per liter) in 14 percent of all samples. Manganese concentrations exceeded 50 ug/L in 40 percent of all samples. Trace-metal concentrations were generally under 10 ug/L, except for barium, copper, lead, and zinc. Nitrate concentrations were less than 1.0 mg/L in water from over 75 percent of the sites. Concentrations exceeded 1.0 mg/L in samples from Skagit, Whatcom, and Pierce Counties, probably due to agricultural activities or septic tanks. Fecal-coliform bacteria were detected in isolated instances.

U.S. Environmental Protection Agency drinking water regulations were exceeded only in isolated instances, except for widespread excessive iron and manganese concentrations.

The historical data for the region were also evaluated for the same constituents. There are quantitative differences between historical and 1981 data, but they may be due to inconsistencies in data collection and analytical methods. Generally, historical and 1981 data lead to similar qualitative conclusions about the quality of ground water in the Puget Sound region.

INTRODUCTION

The State of Washington Department of Ecology (WDOE) is responsible for the protection and management of ground water in the State of Washington. In addition to making decisions regarding drilling permits, pumpages, and water rights, the WDOE is also responsible for implementing U.S. Environmental Protection Agency (EPA) regulations requiring all States to establish a ground-water quality monitoring network. To aid in meeting these responsibilities, a statewide assessment of ground-water quality was needed.

Purpose and Scope

In 1979, the U.S. Geological Survey, in cooperation with the WDOE, established a ground-water quality monitoring network for Washington. The State was divided into five regions on the basis of work by Molenaar and others (1980); one region would be studied each year over a 5-year period. Approximately 100 wells would be sampled once in each region, and the samples analyzed for common water-quality constituents. The data from these analyses would be compared with historical data from wells in the same region. This compilation of data then could be used by the WDOE to assess the general ground-water quality for a given region and to detect any major water-quality changes that might have occurred. The data would also provide a basis of comparison for future regional studies.

This report presents ground-water-quality data for the Puget Sound region of western Washington. Three of the other four regions—northeastern-north central, southwestern, southeastern-south central—are discussed in separate Survey publications by Ebbert (1984), Ebbert and Payne (1985), and Turney (1986). The remaining region, the Columbia Basin, will be discussed in a forthcoming report.

Other Studies

Several ground-water and geologic investigations have been made in local areas within the region (Walters, 1971, and Drost, 1982, 1984). Statewide and nationwide studies have also included the Puget Sound region (VanDenburgh and Santos, 1965; Foxworthy, 1979; Molenaar and others, 1980; and Lum and Turney, 1982). Most of these studies were concerned primarily with the availability of ground water and deal with water quality only secondarily. Lum and Turney (1982), as part of an assessment of historical ground-water-quality data, considered all available data from the Puget Sound region.

Ground-water studies in Island County, San Juan County, and in the lower Puyallup River valley in Pierce County were carried out simultaneously with this one. To avoid duplication of effort, much of the data from these three studies have been incorporated into the data base for the Puget Sound region.

Acknowledgments

Appreciation is expressed to the city and town officials, local agencies, and private landowners, whose cooperation in granting access to their wells was essential to the project.

DESCRIPTION OF REGION

Location

For purposes of this report, the Puget Sound region includes the area in northwestern Washington that drains into Puget Sound or the Strait of Juan de Fuca (fig. 1). The major islands in the Sound are included. The region is bound by the foothills of the Cascade Range to the east and southeast, the Black Hills of Thurston and Grays Harbor Counties to the southwest, and the foothills of the Olympic Mountains to the west. The northern boundary is the United States-Canada border. Part or all of the following counties are included in the region: Clallam, Island, Jefferson, King, Kitsap, Mason, Pierce, San Juan, Skagit, Snohomish, Thurston, and Whatcom. Molenaar and others (1980) considered the Puget Sound as one large hydrologic region with no major subdivisions. The area of data collection was limited to the lowlands of the region because there are few wells at higher altitudes.

Climate

The Puget Sound region has a mild climate that is a result of the proximity of Puget Sound; local variations in the climate are due to the irregular topography. Precipitation and temperature data at a few locations in the study area are given in the following table (Phillips, 1960).

	Mean air temperature (^{o}F)			Mean precipitation, in inches
	January	July	Annual	Annual
Port Angeles	38.6	58.8	48.7	24.61
Bellingham	36.8	61.0	49.1	33.59
Everett	38.6	62.4	50.6	35.24
Seattle	41.2	65.6	53.2	34.10
Olympia	38.1	63.9	50.8	52.37

These data represent climatic conditions from 1931 to 1960. Mean air temperatures shown for January and July represent the extremes in mean monthly temperatures. Air temperatures approaching 0^{o}F and 100^{o}F have been recorded, but they are unusual. Annual precipitation tends to increase from Bellingham through Puget Sound and south to Olympia. Port Angeles receives about 30 percent less precipitation than Everett, even though both are at similar latitudes, primarily due to the rain shadow effect of the Olympic Mountains (Phillips, 1960).

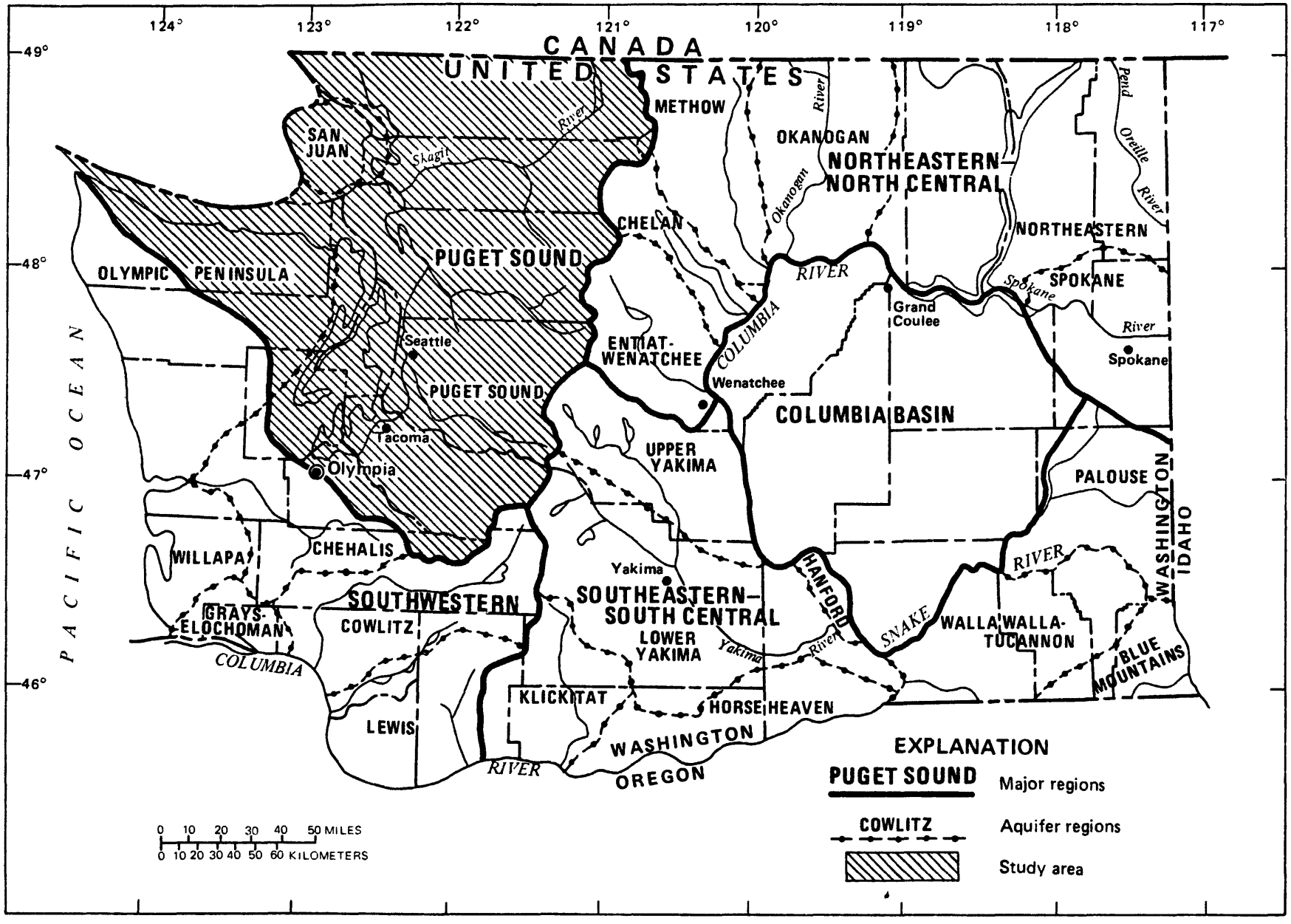


Figure 1. – Location of study area, showing principle aquifer regions as designated by Molenaar and others (1980), and five major regions.

Geology

The geology of the Puget Sound region was influenced primarily by several periods of glaciation. At least four major glaciations occurred in the Pleistocene Epoch alone (McKee, 1972). The glaciers covered the entire basin, moving across what is now Puget Sound and extending as far south as Olympia. This series of glacial advances and retreats resulted in the accumulation of layers of unconsolidated sedimentary deposits more than 2,400 feet thick in some places (Hall and Othberg, 1974). These glacial deposits consist of rocks, gravel, sand, and clay, and generally fall into two categories: 1) ice-contact deposits that originated from melting glacial ice and that are distinctly stratified; and 2) glacial till deposits that occurred along the edges or underneath the glacier and are poorly sorted.

Major river valleys contain unconsolidated alluvial deposits of silt, sand, and gravel over glacial deposits. In the Puyallup, White, Green, and Skagit River valleys, volcanic mudflows are also present. Mudflows are typically coarser and thicker than normal alluvial deposits and contain some organic deposits.

The northeast sections of Clallam and Jefferson Counties contain some marine sands of the Oligocene and Miocene Epochs. The southern part of the San Juan Islands consists mostly of glacial deposits, but bedrock predominates in the northern part.

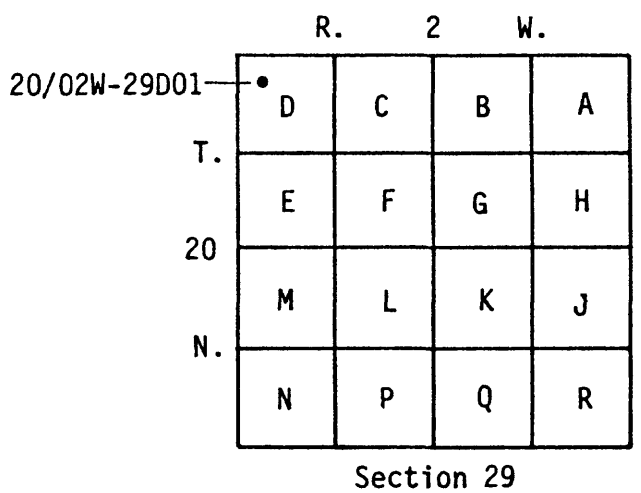
Most of the wells sampled in the Puget Sound region were drilled into unconsolidated glacial or alluvial deposits and were finished in sand or gravel units (Huntting and others, 1961). The exceptions were three wells in Clallam County that were finished in marine sands and 37 wells in San Juan County that were finished in bedrock.

Individual aquifers are located in the unconsolidated deposits (Newcomb, 1952 and Sceva, 1957); however, there is often a substantial amount of mixing of water between them. Because of this, and the fact that the materials found in the unconsolidated aquifers are similar, individual aquifers were not considered in this study. All analyses of water from glacial, alluvial, and marine wells were treated as though from a single rock type. The analyses of water samples from bedrock wells in San Juan County were considered separately because those samples are chemically different from samples from unconsolidated deposits.

METHODS

Well- and Spring-Numbering System

The well- and spring-numbering system used by the U.S. Geological Survey in the State of Washington is based on the rectangular subdivision of public land, which indicates township, range, section, and 40-acre tract within the section. For example, in well number 20/02W-29D01, the part preceding the hyphen indicates the township and range (T.20 N., R.2 W.) north and west of the Willamette base line and Meridian, respectively. (Because all wells in Washington are north of the baseline, the "N" designation of the township is omitted.) The first number following the hyphen indicates the section (29), and the letter (D) gives the 40-acre tract within that section. The last number (01) is the serial number of the well in that particular 40-acre tract. In spring designations, the serial number is followed by the letter "S". If a well has been deepened, the serial number is followed by the letter "D" and a number indicating the sequence of the deepening. For example, if 20/02W-29D01 had been deepened twice, it would now be numbered 20/02W-29D01D2.



Section 29

Well Selection

Several factors were considered when selecting wells to sample. The primary concern was to obtain a good areal representation of the region. Sampling was more intense in areas where ground-water use is high and, conversely, areas of little or no ground-water use were not sampled. Priority was also given to areas with little or no historical data. Areas with known water-quality problems, such as excessive concentrations of nitrate, chloride, iron, or manganese, were sampled more heavily. Wells of various depths were sampled, but because large-scale geologic conditions throughout the Puget Sound region are relatively uniform, individual soil types and aquifers were not of major concern in this study. Whenever possible, municipal or irrigation wells were sampled because of ease of access.

Using the outlined criteria, 85 wells throughout the Puget Sound region were selected and sampled. Data from other concurrent studies in Island County, San Juan County, and the Puyallup River valley were added to this data base, bringing the total number of project wells to 181.

The locations of all the wells sampled, except those in San Juan County, are shown on plate 1. The data from the San Juan study are presented in tables on the plates because there was not enough room on the small scale map to plot them. Township and range locations of the wells are indicated on the map and the well number is given next to each well symbol.

Sampling

All wells were sampled in early summer, 1981. Sampling was done according to standardized Geological Survey procedures, as described in the "National Handbook of Recommended Methods for Water-Data Acquistion" (U.S. Geological Survey, 1977). Wells were pumped for a period sufficient to flush all supply lines and to insure that water being sampled was representative of the aquifer. With the pump running, samples were taken from the tap or discharge tube closest to the well head. Samples were preserved in the field for analysis at the Survey's Water Quality Laboratory in Arvada, Colo.

Field and Laboratory Analyses

Field determinations for water temperature, specific conductance, pH, and fecal-coliform bacteria were made at the time of sampling. All samples were analyzed in the laboratory for concentrations of major cations and anions, dissolved nitrite-plus-nitrate, iron, and manganese. Values of hardness, sodium-adsorption ratio, and dissolved solids were calculated from the constituents analyzed. About 20 percent of the samples were analyzed for trace-metal concentrations.

Data Presentation

The data generated by this study are presented on maps on two plates located in the pocket at the end of the report.

Tables containing both 1981 and historical data, tabulated by county, and data summaries pertinent to the plates are located at the end of the report.

DRINKING WATER REGULATIONS

The EPA has established two sets of regulations that apply to drinking water. The national interim primary drinking water regulations (U.S. Environmental Protection Agency, 1976) include chemicals in water that can affect human health. These regulations apply to public water supplies and are enforceable by the EPA or the individual States. The national secondary drinking water regulations (U.S. Environmental Protection Agency, 1977a) pertain to the esthetic qualities of drinking water. They are guidelines only and are not legally enforceable by a Federal agency. Both sets of regulations are based on concentrations of chemicals in water, usually expressed in milligrams per liter (mg/L) or micrograms per liter (ug/L). The regulations for constituents discussed in this report are as follows:

Primary Drinking Water Regulations

Constituent	Maximum allowable concentration
Arsenic	50 ug/L
Barium	1,000 ug/L
Cadmium	10 ug/L
Chromium	50 ug/L
Fluoride	1.4-2.4 mg/L[1]
Lead	50 ug/L
Mercury	2 ug/L
Nitrate (as Nitrogen)	10 mg/L
Selenium	10 ug/L
Silver	50 ug/L

Secondary Drinking Water Regulations

Constituent	Maximum allowable concentration
Chloride	250 mg/L
Copper	1,000 ug/L
Dissolved solids	500 ug/L
Iron	300 ug/L
Manganese	50 ug/L
pH	6.5-8.5 units[2]
Sulfate	250 mg/L
Zinc	5,000 ug/L

[1]The fluoride regulation varies because human water consumption varies with air temperature; as air temperature increases, the maximum allowable fluoride concentration decreases (U.S. Environmental Protection Agency, 1977b).

[2]These figures represent an allowable range for pH values.

The rationales behind these regulations differ. Most of the metals are of concern because of their harmful and (or) esthetic effects on humans. Arsenic, barium, cadmium, chromium, lead, mercury, and selenium are all highly toxic to humans in relatively low concentrations. Arsenic is also a known carcinogen and selenium is a suspected carcinogen. Silver is not toxic, but produces a condition in humans called argyria, a blue-gray discoloration of the skin, eyes, and mucous membranes. Zinc and copper, in addition to being toxic in extreme concentrations, impart a bitter taste to water in concentrations well below toxic levels.

Iron is an essential element for both plant and animal life and is commonly found in ground water. However, excessive concentrations can be harmful or even fatal to some forms of crops and aquatic life. The primary objections to high iron concentrations for human use are not health related, but esthetic. Iron concentrations exceeding 300 ug/L cause objectionable tastes and stain laundry and plumbing fixtures. Some industrial applications, such as paper production, food processing, and chemical production, require concentrations even lower than 300 ug/L. Iron is especially common in clay soils (U.S. Environmental Protection Agency, 1977b), such as those found in the Puget Sound region.

Manganese is also essential to both plant and animal life. Ingestion of high levels can be toxic to humans, and at concentrations substantially less than toxic levels the taste of water is impaired. Concentrations greater than 50 ug/L can stain laundry and plumbing fixtures. Manganese compounds are quite common in ground water, often occurring in conjunction with iron.

Fluoride concentrations exceeding the approved limits can result in dental fluorosis, which is characterized by mottling of the teeth. Long-term, high-level exposures (8 to 20 mg/L for several years) can cause bone changes and result in crippling, but these levels have rarely been found in the United States.

The nitrate regulation is based on the concentration level at which the condition methemoglobinemia can occur in infants. This disease can result in suffocation of the infant because the oxygen-carrying capacity of hemoglobin is impaired by the presence of high nitrate concentrations. Older children and adults apparently are not affected.

Chloride and sulfate can be tasted in the water before any harmful concentrations are reached. The secondary drinking water regulations are set at these taste-threshold levels. Moderate sulfate concentrations (600 mg/L) may act as a laxative on persons unaccustomed to such water, but the effect is usually temporary. Dissolved-solids concentrations over 500 mg/L can alter taste and may be associated with other undesirable properties such as corrosiveness and hardness. Water with a low pH is corrosive, and water with a high pH has a bitter taste.

Drinking water regulations do not address fecal-coliform bacteria as a separate group. For purposes of this study, the presence of any fecal-coliform bacteria is assumed to indicate a potential health problem.

A more detailed discussion of most of the constituents can be found in "Quality Criteria for Water, 1976" (U.S. Environmental Protection Agency, 1977b). Instances in this study when drinking water regulation limits have been exceeded are discussed later on page 21.

QUALITY OF GROUND WATER IN SAMPLED WELLS

The water-quality characteristics of the sampled wells are summarized on plate 2. Statistical summaries for each county are presented in table 1, and the basic data for each well sampled are included in tables 2 and 3. Some of the important water-quality characteristics are discussed in this section.

Water Types

The water type is based on the relative percentages of the major ions present and is shown on plate 2 for each well sampled. Major ions are usually grouped into positive ions and negative ions, or cations and anions. The major cations are calcium, magnesium, sodium, and potassium; the major anions are bicarbonate and carbonate (or alkalinity), chloride, sulfate, and nitrate. The water type is described by the predominant cation and anion concentrations. If one ion exceeded each of the others in its group by 10 percent or more, it was considered predominant. When no single ion was predominant but two ions greatly exceeded the rest, a combined water type was assigned. Unusual water types, or waters that showed no predominant type, are represented by a "mixed or unusual" category. The percentages of ions in each well sampled are listed in table 4.

Predominant water types in the Puget Sound region were the bicarbonates of various cations. Calcium bicarbonate water was the most common throughout the region and predominated in Clallam, Jefferson, King, Kitsap, Mason, Pierce, and Whatcom Counties. Calcium-magnesium bicarbonate and magnesium bicarbonate waters were also scattered throughout the region, predominating in Island, Skagit, Snohomish, and Thurston Counties. In San Juan County, the majority of the bedrock wells yielded sodium bicarbonate water; however, the unconsolidated wells yielded calcium-magnesium bicarbonate water (Whiteman and others, 1983). Throughout the rest of the region a few wells were found to yield sodium bicarbonate water.

Ground-water samples in which bicarbonate was not the predominant anion contained either chloride or a mix of chloride and bicarbonate as the predominant anions. In the Puget Sound region, a chloride water type is usually indicative of seawater intrusion, although contamination from septic tanks, feedlots, or agricultural lots may also be a cause. Such water types were common in samples from Island and San Juan Counties.

Chloride and Seawater Intrusion

Seawater intrusion is the migration of seawater into a freshwater aquifer. It is generally caused by pumping of water from an aquifer that is hydraulically connected with the sea. Heavy pumping in coastal areas can cause a hydraulic gradient to be established in the aquifer, such that seawater will flow from the sea toward the well. Usually, the first indication of seawater intrusion is an increase of chloride concentrations above normal levels.

Seawater intrusion was apparent in San Juan and Island Counties, where median chloride concentrations were 46 and 86 mg/L, respectively. Chloride concentrations as high as 2,700 mg/L were found in San Juan County and a concentration of 13,000 mg/L was found in Island County. Chloride concentrations in all other counties except Jefferson and Skagit had median values of 10 mg/L or less, and never exceeded 28 mg/L, indicating that intrusion is not as common in the rest of the Puget Sound region. Water samples in Jefferson and Skagit Counties had chloride concentrations of as much as 54 and 130 mg/L, respectively; however, there were no sodium-chloride type waters in the wells sampled. The higher chloride concentrations in these two counties probably reflected overall high mineral content in the aquifer material. This is supported by corresponding high concentrations for all other major ions.

In a more extensive study of San Juan County, Whiteman and others (1983) found that of 279 wells sampled in 1981, 9 percent had water with chloride concentrations indicative of seawater intrusion. Median chloride concentrations of 35 and 46 mg/L were found in water from wells finished in bedrock and unconsolidated deposits, respectively. Most of the intrusion occurred in wells along the shores of San Juan Island and the southern part of Lopez Island. In a similar study of Island County, approximately 20 percent of 330 wells sampled exhibited evidence of seawater intrusion (M. A. Jones, U.S. Geological Survey, verbal commun., 1982); the median chloride concentration was 32 mg/L. Most cases of seawater intrusion were found in the long narrow "necks" of the islands and in areas of low altitude.

All of these results concur with those of Dion and Sumioka (1984). They found that seawater intrusion in Washington was localized except in San Juan and Island Counties, where average chloride concentrations of ground water were much higher, suggesting that the occurrence of seawater intrusion was more widespread.

Hardness

Hardness is related to the ability of soap to produce a lather in water; soft water reacts favorably with soap to produce an abundant lather with no residue, and hard water produces less lather and leaves a soapy residue. Hardness is caused primarily by the presence of calcium and magnesium in water; however, iron, manganese, and strontium also may contribute to water hardness. Hard water also may leave a scale deposit in boilers and hot water tanks that reduces their efficiency and causes clogging. The degree of water hardness can severely restrict its utility for domestic, municipal, and industrial purposes.

Hardness is expressed in terms of equivalent amounts of calcium carbonate. The fraction equivalent to carbonate and bicarbonate is referred to as carbonate hardness, and any excess is noncarbonate hardness. The following table shows the number of wells in each category of the hardness classification scheme proposed by the U.S. Environmental Protection Agency (1977b).

Hardness as $CaCO_3$, in milligrams per liter	Description	Number of wells		
		Island County	San Juan County	All other Puget Sound counties[1]
0-75	Soft	1	13	62
76-150	Moderately hard	4	9	25
151-300	Hard	7	21	13
More than 300	Very hard	11	14	0

[1]One sample in King County was not analyzed for hardness.

Ground water in the Puget Sound region was generally soft or moderately hard; however, hard water was found locally. Hard and very hard waters were predominant in San Juan and Island Counties.

Sodium-Adsorption Ratio

A high level of sodium in water can cause serious irrigation problems. Sodium enters into ion-exchange reactions with calcium and magnesium and builds up in the soil, causing swelling and crusting of the soil, reduced permeability, and the loss of infiltration capacity. The soil becomes difficult to cultivate and irrigate without prior conditioning with substances such as gypsum or lime. The degree of sodium adsorption is determined by the ratio of sodium to calcium plus magnesium in the soil. This ratio is called the sodium adsorption ratio (SAR) and indicates the degree to which sodium will be adsorbed by a soil when the water is brought into equilibrium with it. The ratio is defined by Hem (1978) as

$$SAR = \frac{(Na^{+})}{\sqrt{\frac{(Ca^{++}) + (Mg^{++})}{2}}},$$

where ion concentrations are expressed as milliequivalents per liter.

Values of SAR are often used in conjunction with specific conductance to evaluate irrigation waters. SAR (S) is plotted against specific conductance (C) on a standard diagram of irrigation categories (see fig. 2). Water is classified according to the degree of salinity and sodium hazard assigned to the section of the diagram it falls in (U.S. Department of Agriculture, 1954). For example, water from well 19/07E-6E02, with a specific conductance of 192 micromhos per centimeter and an SAR of 0.3, is in the low salinity-low sodium (C1-S1) category. For most of the Puget Sound region, water fell into this category or the medium salinity-low sodium (C2-S1) category. Water from several wells in San Juan and Island Counties fell into higher salinity (C3, C4) or sodium hazard (S2, S3, S4) categories. As would be expected, most of these wells contained sodium chloride water, suggesting various degrees of seawater intrusion. A more detailed explanation of these irrigation categories and their relation to soils can be found in "Diagnosis and Improvement of Saline and Alkali Soils" (U.S. Department of Agriculture, 1954).

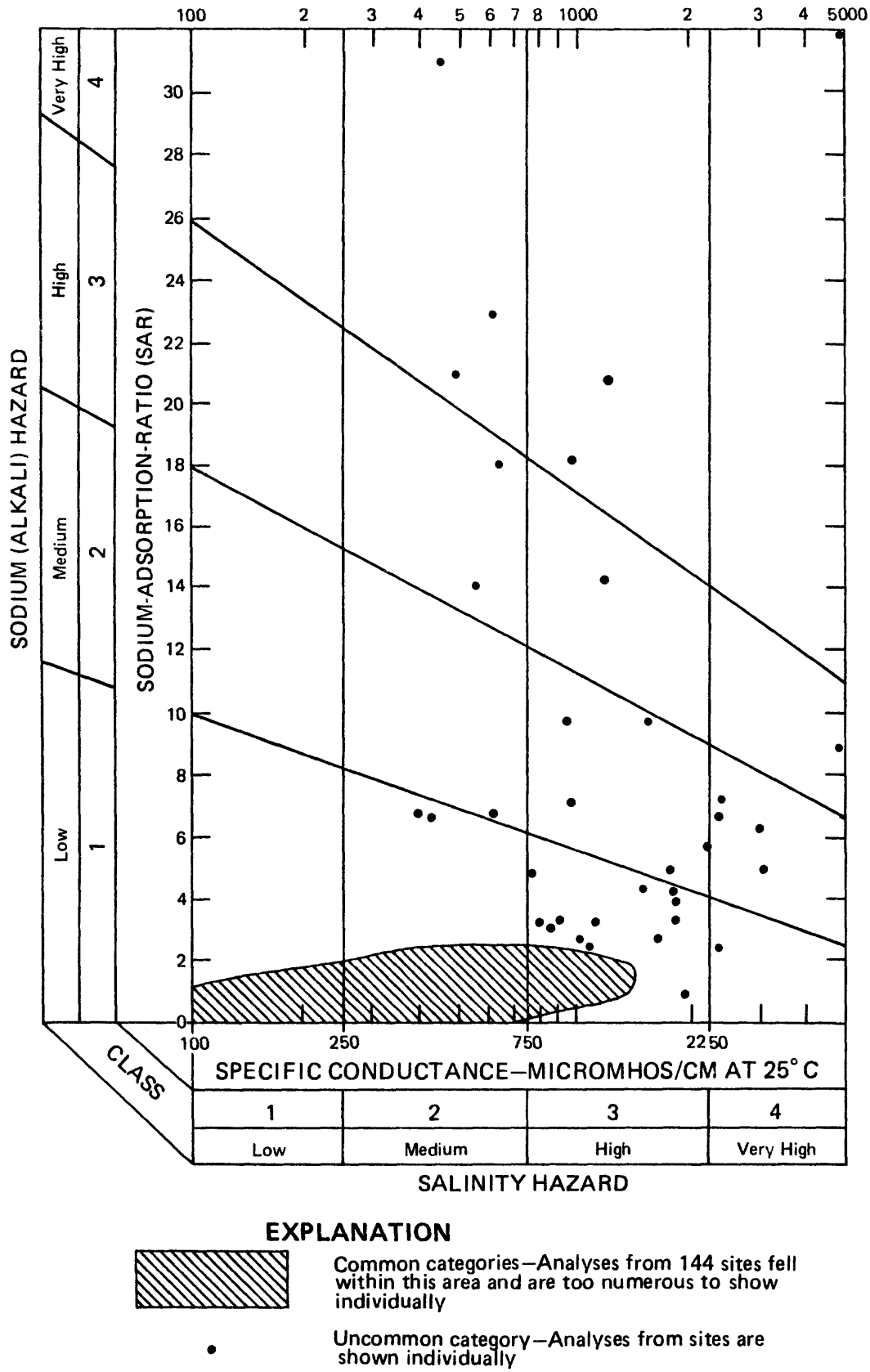


Figure 2.—Irrigation category of sites sampled (after U.S. Department of Agriculture, 1954).

Dissolved Solids

Dissolved solids are the minerals and metals in solution in water. When a portion of the water is evaporated to dryness, the residues are considered to be dissolved solids. Dissolved-solids concentrations are primarily indicators of the total mineral content of water, but also may be related to potential problems such as excessive hardness, seawater intrusion, corrosive characteristics, or other mineral contaminations.

Dissolved-solids concentrations are determined either gravimetrically or by calculation. In the gravimetric method, a known volume of water is evaporated and the residue weighed. The calculated value is the sum of all major chemical constituents that contribute to dissolved solids. Results from the two methods are expressed as milligrams per liter and are comparable. The dissolved-solids concentrations of the wells sampled in this study were calculated and are shown graphically on plate 2.

Dissolved-solids concentrations throughout the Puget Sound region were low, generally at or less than 150 mg/L. Several moderate concentrations (151-500 mg/L) were found in Kitsap, Pierce, Skagit, and Whatcom Counties. High concentrations (over 500 mg/L) were found in San Juan and Island Counties. Most of the higher concentrations were due to the presence of sodium chloride in seawater-intruded wells, although a few high concentrations were found in sodium bicarbonate or magnesium bicarbonate waters. In general, wells that had water with a low dissolved-solids concentration also had a calcium bicarbonate or calcium-magnesium bicarbonate water type.

Iron, Manganese, and Trace Metals

All samples were analyzed for dissolved iron and manganese concentrations. Water samples from approximately 20 percent of the wells were analyzed for concentrations of dissolved trace metals, including aluminum, arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc. Wells with water having excessive iron and manganese concentrations and wells sampled for trace metals are shown on plate 2. Wells with water containing trace-metal concentrations that exceeded the drinking water regulations (see page 21) are also indicated.

Approximately 14 percent of the wells sampled had water with iron concentrations exceeding the secondary drinking water regulation of 300 ug/L. These wells were located throughout the entire Puget Sound region. High manganese concentrations also were found in water from wells throughout the region. Approximately 40 percent of the wells sampled had water with manganese concentrations exceeding the secondary drinking water regulation of 50 mg/L. There was some correlation between iron and manganese. With the exception of two wells in San Juan County, water from every well that exceeded the iron regulation also exceeded the manganese regulation.

The source of these high iron and manganese concentrations is uncertain. VanDenburgh and Santos (1965) suggested that organic activity in sedimentary deposits has depleted the oxygen content of high-iron water. This creates a chemically reducing environment, thus keeping the iron in solution. Because sedimentary deposits are common in this region, this could explain the widespread occurrence of high iron concentrations. The occurrence of high manganese concentrations with high iron concentrations may indicate that manganese undergoes the same reactions.

Concentrations of cadmium, chromium, mercury, selenium, and silver never exceeded 10 ug/L. Arsenic and aluminum concentrations were slightly higher, with maximum concentrations of 22 and 30 ug/L, respectively. Several wells had water with barium concentrations over 100 ug/L, but none exceeded 300 ug/L. Most of the higher barium concentrations were in San Juan County. Lead concentrations were less than 10 ug/L, except for three wells that contained water with concentrations between 20 and 53 ug/L. Several wells had water with zinc or copper concentrations exceeding 100 ug/L. High concentrations of zinc, copper, and lead can be misleading because many plumbing materials contain these elements and contamination can occur if the lines are not thoroughly flushed before sampling. In these cases, the results may not reflect true aquifer conditions.

Nitrate

All ground-water samples were analyzed for concentrations of dissolved nitrite-plus-nitrate. Because the concentration of nitrite is generally negligible in comparison to nitrate, nitrite-plus-nitrate was assumed to be equivalent to nitrate and is referred to simply as nitrate in this report. Nitrate-concentration ranges for water in the wells sampled are shown on plate 2.

Nitrate is found naturally in soil as part of the nitrogen cycle. However, high nitrate concentrations in ground water are usually associated with agricultural activities, landfills, and septic tanks. Waste products often leach into shallow aquifers, causing increases in the nitrate concentration. In some cases, vertical leakage into deeper aquifers may affect them as well.

Concentrations of dissolved nitrate were generally very low in the Puget Sound region. Water from more than 75 percent of all wells sampled had concentrations less than 1.0 mg/L of nitrate, expressed as nitrogen. Thresholds of 1.0 mg/L and 5.0 mg/L were arbitrarily chosen to indicate moderate and high nitrate concentrations, respectively. Both moderate and high concentrations were found in Pierce, Skagit, and Whatcom Counties and may be explained by local land-use practices. Much of lowland Pierce County is residentially developed but unsewered, relying on septic tanks or drainfields as the primary means of domestic waste disposal. Whatcom and Skagit Counties are primarily agricultural areas. Nitrate in the ground water of these two counties may be derived from feedlot wastes or from fertilizers added to crops. Most counties had localized areas of high nitrate, which could be due to any or several of these sources.

Fecal-Coliform Bacteria

Fecal-coliform bacteria inhabit the intestine and feces of warmblooded animals. Their presence in water is an indicator of contamination by human or animal excrement. Because feces are a source of pathogenic bacteria and viruses, fecal-coliform bacteria in a water supply indicates a potential health problem and the need for immediate remedial action. Contamination by fecal-coliform bacteria generally occurs by percolation of water from a contaminated source into the aquifer. Shallow wells are particularly susceptible. In some instances, the contamination may occur from taps and storage tanks. When this happens, the sample does not represent true aquifer conditions.

Concentrations of fecal-coliform bacteria were determined in all water samples except those from all wells in San Juan and Island Counties and three wells in Kitsap County. Data summaries from Whiteman and others (1983) were used for San Juan County. Fecal-coliform bacteria concentrations are based on a 100-mL (milliliter) sample of water. Each bacterium in the sample results in a colony (or count) when incubated on selective media. The results are expressed in colonies per 100 mL, and samples in which bacteria are detected are referred to as having "positive" counts. Even if no bacteria are detected in a 100-mL sample, it cannot be assumed that the water is totally free from bacteria. Therefore, a zero count is expressed as less than one (<1). If bacteria are present in an excessive number, overcrowding occurs on the incubation plate and the population is "too numerous to count" (TNTC). For fecal-coliform bacteria, this level is more than 60 colonies per 100 mL and is expressed as greater than 60 (>60). The location and concentration for sites where water had positive fecal-coliform bacteria counts are shown on plate 2.

Excluding San Juan County, six ground-water sites had water with fecal-coliform bacteria. Two are wells less than 40 feet deep (35/04E-29E01 and 40/03E-23MO1) and two are springs (19/02E-02L01S and 19/04E-25K01S). Two other wells (18/01E-35PO2 and 20/02E-26G01) are 220 feet and 157 feet deep, respectively. All of these sites are in unconsolidated deposits. The summary for San Juan County shows that waters in 7 of 168 wells sampled by Whiteman and others (1983) had fecal-coliform bacteria counts. Three of the wells are in bedrock and four are in unconsolidated deposits.

Constituents Exceeding Drinking Water Regulations

In the Puget Sound region, some constituents were present in concentrations exceeding drinking water regulations. In many instances, seawater intrusion was involved. The primary regulation for fluoride was exceeded in water from well 36/02E-12A01 (2.9 mg/L), a bedrock well in San Juan County. The secondary drinking water regulation for chloride was exceeded in water from several wells, all of them in San Juan County or Island County and most attributable to varying degrees of seawater intrusion. The sulfate regulation limit was exceeded once, in water from well 32/01E-32N01 in Island County, which had a sulfate concentration of 1,800 mg/L and is severely intruded by seawater.

Dissolved-solids concentrations exceeding drinking water regulations were found only in San Juan and Island Counties. Seawater intrusion is most likely the major cause; however, other major ions were present along with sodium and chloride. Bicarbonate dissolution appeared to be a factor in dissolved-solids concentrations in the bedrock wells of San Juan County.

The pH of 10 water samples fell outside the recommended range of 6.5 to 8.5 units. In all seven instances where pH exceeded 8.5, the wells were in bedrock in San Juan County; six of these wells had sodium bicarbonate water. The three wells where pH of the water was below 6.5 appear to be isolated cases of very slight acidity.

Water from 14 percent of the sampled wells exceeded the secondary drinking water regulations for iron concentrations. Manganese concentrations exceeded the regulations in about 40 percent of the wells. As mentioned previously, the high iron and manganese concentrations are probably naturally occurring. The only trace-metal concentrations that exceeded drinking water regulations were copper in four wells and lead in one. Two of these wells (19/04E-16E01 and 21/01E-02N01) were resampled and the concentrations in the second samplings were well below drinking water regulation maximum levels. The primary drinking water regulations for nitrate were never exceeded.

As mentioned previously, drinking water regulations do not address fecal-coliform bacteria. However, fecal-coliform bacteria were present in 7 of 168 wells in San Juan County and 6 wells in the rest of the region. These wells, which are described more fully in the section on fecal-coliform bacteria (p.20), may present potential health problems.

Selection of Data

Sites where ground-water samples were collected and analyzed prior to 1981 are designated on plate 1 as historical data sites. Data from previous Geological Survey studies, from studies by other agencies done cooperatively with the Survey, and from miscellaneous Survey samplings are included. Only sites with complete cation and anion data are shown on the map. Because many sites have partial data (for example, hardness and alkalinity only), a method was needed to present only sites with complete data. Most "complete" analyses included an analysis for sulfate; thus, sulfate was used as the selection criterion. Additionally, all sites with metals analyses are shown. Only one point is plotted in a section, but the number of sites with available data is indicated. All these data, which were obtained through the Survey's computerized storage and retrieval system (WATSTORE), are included in tables 2 and 3. Statistical summaries of the historical data are shown in table 1. These summaries are based on one data point from each site. If more than one analysis was available for a site, the average value of all analyses of a particular constituent was used to avoid weighting sites with multiple analyses over those with single analyses.

Because only complete analyses were used, data from some specific studies have been omitted from this study. Four of these studies generated large amounts of water-quality data and are worthy of mention. In a ground-water investigation of the Sequim area in northeastern Clallam County, concentrations of nitrate and chloride were analyzed and are presented by Drost (1984). Concentrations of nitrate, chloride, and dissolved solids were determined in a similar study of the Gig Harbor area of northwest Pierce County (Drost, 1982). Two seawater-intrusion studies (Walters, 1971; Dion and Sumioka, 1984) contain 4,000 chloride analyses for the entire Washington coastline and major islands. The overall quality of water in each of the study areas was found to be good, with only a few isolated occurrences of high nitrate and chloride concentrations.

Problems in Using Historical Data

Problems often arise in the interpretation of historical data and in the comparison of present data with historical data. Temporal fluctuations and changes in analytical techniques and methodology can affect data comparability.

Temporal fluctuations can affect certain constituents in several ways. In recharge areas, seasonal weather patterns can affect the water quality in shallow aquifers. Water quality in wells that are pumped seasonally (especially in agricultural areas) can vary over the course of a year. Chemical concentrations in water from wells that are affected by tidal fluctuations can change daily. These seasonal and daily variations can affect evaluations of temporal differences and long-term trends in water-quality data.

Different conventions of analyzing and reporting nitrate concentrations cause difficulties with interpretations and comparing the data. Concentrations of nitrate have been expressed as both nitrate and nitrogen. Concentrations expressed as nitrate can be converted to concentrations expressed as nitrogen by simply multiplying the concentration as nitrate by 0.2258. Nitrate data also have been analyzed as nitrate or as nitrite-plus-nitrate. As mentioned before, there is little or no nitrite in most ground waters, and analyses of nitrate and nitrite-plus-nitrate may be considered equivalent. Dissolved- and total-nitrate data also may be considered equivalent because most of the nitrate in ground-water samples is dissolved.

Comparisons of analytical results for some total and dissolved metals may also present a problem. Generally, in ground water the concentrations of the total and dissolved phases are approximately equivalent due to a lack of suspended material. However, in some instances metals complexed with suspended or colloidal materials are removed when a sample is filtered for a dissolved analysis. For these cases, the dissolved-metal concentrations are substantially lower than the total metal concentrations and may not be considered equivalent.

Analytical detection limits also have improved with time. Generally, if a concentration is lower than the analytical detection limit for the given constituent, it is reported as less than the detection limit. In the past, detection limits for some constituents were orders of magnitude higher than at present. This may result in historical data that are not comparable to 1981 data. An example is dissolved lead. Much of the historical data were reported as less than 100 ug/L (<100 ug/L), but 1981 data are reported as less than 1 ug/L (<1 ug/L). The historical data reported as less than 100 mg/L cannot be easily compared to any 1981 data because the true values are not known in terms of current detection limits. This example is complicated further by the fact that in the primary drinking water regulations the maximum concentration for lead is 50 ug/L. All historical data analyzed and reported as less than 100 ug/L could exceed the current maximum permissible concentration, but this is difficult to assess.

Discussion of Historical Data

Historically, ground water sampled in the Puget Sound region was for the most part soft; calcium, magnesium, and bicarbonate were the major dissolved chemical constituents. In some instances, sodium chloride water with high dissolved solids was found in San Juan and Island Counties and in isolated locations along the mainland coastline. Iron and manganese concentrations that exceeded the drinking water regulations were common throughout the Puget Sound region. With the exception of one sample with an arsenic concentration of 550 ug/L in Skagit County and one with a zinc concentration of 7,300 ug/L in Thurston County, there were no other trace-metal concentrations in the historical data that exceeded the drinking water regulations. (The high arsenic concentration is from spring 33/02E-02Q01S, located in a strontium mine. The cause of the high zinc concentration in well 16/02E-17N01 is unknown.) Several lead concentrations were reported as less than 100 ug/L and are inconclusive.

Nitrate concentrations were generally well below the drinking water regulation maximum of 10.0 mg/L, with only a few isolated exceptions. Using the same criteria for the historical data as presented for the 1981 data (1.0 mg/L for moderate nitrate concentrations, 5.0 mg/L for high nitrate concentrations), nitrate concentrations were moderate in areas of Pierce, Snohomish, Skagit, and Whatcom Counties. With the exception of Snohomish County, these areas also had high nitrate concentrations in the 1981 data. As with the 1981 data, most of the moderate and high nitrate concentrations were found in water from shallow wells.

There are not enough historical data to draw any conclusions about fecal-coliform bacteria concentrations.

Generally, the historical and 1981 data lead to similar conclusions about ground-water quality in the Puget Sound region, but this is limited to the qualitative characteristics described by the data. Quantitative comparisons of raw data and statistical summaries (table 1) should be used cautiously. As mentioned previously, there are some general problems in comparing historical and 1981 data, but there are some statistical differences in these data also. For most counties, there are a greater amount of historical data covering a longer period (30 years or more). The historical data generally were not sampled randomly, either temporally or spatially. In some instances, there are too few data (either historical or 1981) for differences to be statistically significant. All of these factors can affect quantitative conclusions drawn from the data. For these reasons, degrees of long-term change are difficult to establish and will not be discussed.

SUMMARY

The ground water in the Puget Sound region was soft, and calcium and bicarbonate were the predominant dissolved chemical constituents. Dissolved-solids concentrations were generally less than 150 mg/L, although some sodium bicarbonate and sodium chloride water samples had higher concentrations. Sodium bicarbonate water was found in the bedrock aquifers of San Juan County and locally in the mainland portion of the study area. Sodium chloride water was common in San Juan and Island Counties.

High iron and manganese concentrations were common throughout the region. Trace-metal concentrations were generally very low. Some high concentrations of zinc, copper, and lead were observed, but these were probably due to contamination from plumbing materials.

Nitrate concentrations were generally less than 1.0 mg/L throughout the study area, but samples from some parts of Pierce, Whatcom, and Skagit Counties substantially exceeded this concentration. Fecal-coliform bacteria were detected in 6 sites sampled by this investigation and in 7 of 168 sites sampled in the San Juan County investigation. Most of these sites are shallow and the presence of fecal-coliform bacteria could constitute a health hazard.

Concentrations of iron and manganese exceeding drinking water regulations were common. Other drinking water regulations were rarely exceeded. They usually involved concentrations of chloride or dissolved solids, and were generally attributable to seawater intrusion.

The historical data suggest similar qualitative conclusions about ground-water quality in the Puget Sound region. Quantitative comparisons between the historical and 1981 data are difficult due to statistical differences between the two sets of data, and as such were not made.

SELECTED REFERENCES

Dion, N. P., and Sumioka, S. S., 1984, Seawater intrusion into coastal aquifers in Washington, 1978: Washington State Department of Ecology Water-Supply Bulletin 56, 13 p., 14 pls.

Drost, B. W., 1982, Water resources of the Gig Harbor peninsula and adjacent areas, Washington: U.S. Geological Survey Water-Resources Investigations Open-File 81-1021, 148 p., 1 pl.

----1984, Water resources of Clallam County, Washington: Phase I report: U.S. Geological Survey Water-Resources Investigations Open-File Report 83-4227, in press.

Ebbert, J. C., 1984, The quality of ground water in the pincipal aquifers of northeastern-north central Washington: U.S. Geological Survey Water-Resources Investigations Report 83-4102, 112 p.

Ebbert, J. C., and Payne, K. L., 1985, The quality of water in the principal aquifers of southwestern Washington: U.S. Geological Survey Water-Resources Investigations Report 84-4093, 59 p., 5 pls.

Foxworthy, B. L., 1979, Summary of the nation's ground-water resources - Pacific Northwest Region: U.S. Geological Survey Professional Paper 813-5, 39 p.

Hall, J. B., and Othberg, K. L., 1974, Thickness of unconsolidated sediments, Puget lowland, Washington: Washington State Department of Natural Resources Geologic Map GM-12, 4 p., 1 pl.

Hem, J. D., 1978, Study and interpretation of the chemical characteristics of natural water: U.S. Geological Survey Water-Supply Paper 1473, 363 p.

Huntting, M. T., Bennett, W.A.G., Livingston, V.E., Jr., and Moen, W. S., 1961, Geologic map of Washington: Washington State Department of Conservation, 1 sheet.

Lum, W. E. II, and Turney, G. L., 1982, Fluoride, nitrate, and dissolved solids concentrations in ground waters of Washington: U.S. Geological Survey Water-Resources Investigations Open-File Report 82-508, 4 pls.

McKee, Bates, 1972, Cascadia, the geologic evolution of the Pacific Northwest: New York, McGraw-Hill, 394 p.

Molenaar, Dee, Grimstad, Peter, and Walters, K. L., 1980, Principal aquifers and well yields in Washington: U.S. Geological Survey Geohydrologic Monograph 5, scale 1:500,000, 1 sheet.

Newcomb, R. C., 1952, Ground-water resources of Snohomish County, Washington: U.S. Geological Survey Water-Supply Paper 1135, 131 p., 2 pls.

Phillips, E. L., 1960 [1965], Climate of Washington: U.S. Department of Commerce, Weather Bureau, Climatography of the United States, no. 60-45, 27 p.

Sceva, J. E., 1957, Geology and ground-water resources of Kitsap County, Washington: U.S. Geological Survey Water-Supply Paper 1413, 177 p., 3 pls.

Turney, G. L., 1986 , Quality of ground water in the southeastern-south central region, Washington: U.S. Geological Survey Water Resources Investigations Report 84-4262, in press.

U.S. Department of Agriculture, 1954, Diagnosis and improvement of saline and alkali soils: Agriculture Handbook no. 60, 158 p.

U.S. Environmental Protection Agency, 1976, National interim primary drinking water regulations: U.S. Government Printing Office, 159 p.

-----1977a, National Secondary Drinking Water Regulations: Federal Register, v. 42, no. 62, Thursday, March 31, 1977, part 1, p. 17143-17147.

-----1977b, Quality criteria for water, 1976: U.S. Government Printing Office, 256 p.

U.S. Geological Survey, 1977, National handbook of recommended methods for water-data acquisition: Office of Water Data Coordination.

VanDenburgh, A.S., and Santos, J.F., 1965, Ground water in Washington, its chemical and physical quality: Washington State Pollution Control Commission Water-Supply Bulletin 24, 93 p.

Walters, K. L., 1971, Reconnaissance of seawater intrusion along coastal Washington, 1966-68: Washington State Department of Ecology Water-Supply Bulletin 32, 208 p., 8 pls.

Whiteman, K. J., Molenaar, Dee, Bortleson, G. C., and Jacoby, J. M., 1983, Occurrence, quality, and use of ground water in Orcas, San Juan, Lopez, and Shaw Islands, San Juan County, Washington: U.S. Geological Survey Water-Resources Investigations Report 83-4019, 12 sheets.

TABLE 1.--Summary of ground-water quality data, by county

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Clallam County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	310 (1420)	167 (89)	272 (150)	3 (12)
pH (units)	7.7 (8.0)	7.5 (6.3)	7.7 (7.2)	3 (11)
Bacteria, fecal-coliform (cols./100 mL)	<1 (<1)	<1 (<1)	<1 (<1)	3 (4)
Hardness (as $CaCO_3$)	130 (176)	83 (22)	127 (59)	3 (12)
Noncarbonate hardness (as $CaCO_3$)	7 (8)	0 (0)	6 (3)	3 (12)
Calcium, dissolved	39 (59)	27 (7.5)	34 (18)	3 (12)
Magnesium, dissolved	11 (24)	3.8 (0.9)	7.1 (3.4)	3 (12)
Sodium, dissolved	11 (300)	3.8 (2.0)	4.4 (4.2)	3 (12)
Sodium adsorption ratio	.4 (29)	.2 (.1)	.2 (.2)	3 (12)
Potassium, dissolved	.9 (2.5)	.5 (.1)	.8 (.4)	3 (12)
Alkalinity, total (as $CaCO_3$)	140 (192)	77 (34)	120 (70)	3 (12)
Sulfate, dissolved	7.0 (20)	<5.0 (5.3)	5.0 (9.3)	3 (12)
Chloride, dissolved	4.9 (320)	1.4 (1.0)	2.6 (2.4)	3 (12)
Fluoride, dissolved	.4 (1.1)	.3 (.0)	.3 (.1)	3 (11)
Silica, dissolved (as SiO_2)	23 (25)	12 (6.7)	14 (12)	3 (12)
Dissolved solids (residue at 180°C)	-- (778)	-- (58)	-- (82)	0 (10)
Dissolved solids, calculated (sum of constituents)	176 (781)	100 (60)	147 (91)	3 (12)
Nitrate (as N)	2.3 (1.0)	.15 (.02)	1.6 (.07)	3 (12)
Iron, total recoverable (ug/L)	-- (1700)	-- (<5)	-- (35)	0 (6)
Iron, dissolved (ug/L)	13 (160)	<10 (20)	<10 (20)	3 (4)
Manganese, total recoverable (ug/L)	-- (<20)	-- (<20)	-- (--)	0 (1)
Manganese, dissolved (ug/L)	6 (<10)	3 (<10)	4 (<10)	3 (4)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Island County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	60000	(1380)	135	(208)	950	(267)	23	(8)
pH (units)	8.1	(8.4)	7.0	(6.8)	7.7	(7.7)	23	(8)
Bacteria, fecal-coliform (cols./100 mL)	--	(--)	--	(--)	--	(--)	0	(0)
Hardness (as $CaCO_3$)	5961	(653)	48	(74)	281	(112)	23	(8)
Noncarbonate hardness (as $CaCO_3$)	5800	(173)	0	(0)	30	(6)	23	(8)
Calcium, dissolved	800	(86)	7.6	(8)	48	(19)	23	(8)
Magnesium, dissolved	960	(106)	7.0	(12)	31	(16)	23	(8)
Sodium, dissolved	5800	(112)	6.0	(8.9)	49	(13)	23	(8)
Sodium adsorption ratio	33	(3.9)	.4	(.4)	1.2	(.5)	23	(8)
Potassium, dissolved	78	(14)	1.3	(1.4)	7.7	(3.2)	23	(8)
Alkalinity, total (as $CaCO_3$)	460	(480)	38	(77)	190	(111)	23	(8)
Sulfate, dissolved	1800	(138)	<1.0	(8.4)	35	(16)	23	(8)
Chloride, dissolved	13000	(172)	13	(9.2)	86	(14)	23	(8)
Fluoride, dissolved	.4	(.2)	.0	(.1)	.1	(.2)	23	(8)
Silica, dissolved (as SiO_2)	42	(47)	20	(29)	33	(35)	23	(8)
Dissolved solids (residue at 180°C)	--	(847)	--	(146)	--	(181)	0	(7)
Dissolved solids, calculated (sum of constituents)	22600	(842)	97	(134)	570	(182)	23	(8)
Nitrate (as N)	2.3	(1.2)	.01	(.00)	.13	(.25)	23	(8)
Iron, total recoverable (ug/L)	--	(1700)	--	(10)	--	(110)	0	(8)
Iron, dissolved (ug/L)	5800	(--)	<10	(--)	18	(--)	23	(0)
Manganese, total recoverable (ug/L)	--	(300)	--	(<20)	--	(20)	0	(3)
Manganese, dissolved (ug/L)	4300	(--)	2	(--)	58	(--)	23	(0)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Jefferson County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	582 (9750)	580 (103)	-- (331)	2 (8)
pH (units)	7.7 (7.8)	7.6 (6.3)	-- (6.8)	2 (9)
Bacteria, fecal-coliform (cols./100 mL)	<1 (--)	<1 (--)	-- (--)	2 (--)
Hardness (as $CaCO_3$)	248 (2380)	231 (46)	-- (98)	2 (9)
Noncarbonate hardness (as $CaCO_3$)	28 (2368)	0 (0)	-- (29)	2 (9)
Calcium, dissolved	58 (950)	53 (15)	-- (30)	2 (9)
Magnesium, dissolved	25 (14)	24 (1.7)	-- (3.5)	2 (9)
Sodium, dissolved	26 (1100)	16 (1.8)	-- (19)	2 (9)
Sodium adsorption ratio	.8 (10)	.5 (.1)	-- (.7)	2 (9)
Potassium, dissolved	6.8 (6.0)	4.4 (.2)	-- (.8)	2 (9)
Alkalinity, total (as $CaCO_3$)	240 (172)	220 (12)	-- (52)	2 (9)
Sulfate, dissolved	<5.0 (31)	<5.0 (1.2)	-- (5.1)	2 (9)
Chloride, dissolved	54 (3400)	34 (.8)	-- (18)	2 (9)
Fluoride, dissolved	.6 (.2)	.6 (.0)	-- (.1)	2 (8)
Silica, dissolved (as SiO_2)	47 (49)	38 (7.8)	-- (17)	2 (9)
Dissolved solids (residue at 180°C)	-- (5690)	-- (50)	-- (196)	0 (7)
Dissolved solids, calculated (sum of constituents)	341 (5504)	295 (68)	-- (185)	2 (9)
Nitrate (as N)	<.10 (2.0)	<.10 (.00)	-- (.15)	2 (8)
Iron, total recoverable (ug/L)	-- (720)	-- (<10)	-- (150)	0 (9)
Iron, dissolved (ug/L)	110 (--)	58 (--)	-- (--)	2 (0)
Manganese, total recoverable (ug/L)	-- (300)	-- (<20)	-- (50)	0 (5)
Manganese, dissolved (ug/L)	430 (--)	420 (--)	-- (--)	2 (0)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

King County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	335 (17200)	112 (21)	165 (158)	21 (103)
pH (units)	8.3 (9.2)	6.6 (6.0)	7.6 (7.4)	21 (106)
Bacteria, fecal-coliform (cols./100 mL)	<1 (--)	<1 (--)	<1 (--)	21 (--)
Hardness (as $CaCO_3$)	154 (220)	42 (8)	64 (60)	20 (106)
Noncarbonate hardness (as $CaCO_3$)	34 (110)	0 (0)	2 (0)	20 (106)
Calcium, dissolved	45 (65)	7.3 (2.7)	16 (14)	20 (104)
Magnesium, dissolved	10 (20)	3.0 (.3)	6.2 (5.7)	20 (104)
Sodium, dissolved	38 (4300)	3.8 (1.7)	6.2 (6.7)	20 (102)
Sodium adsorption ratio	2.0 (143)	.2 (.2)	.3 (.4)	20 (102)
Potassium, dissolved	4.8 (34)	.6 (.1)	1.8 (2.0)	20 (101)
Alkalinity, total (as $CaCO_3$)	160 (1880)	39 (9)	68 (64)	21 (106)
Sulfate, dissolved	36 (87)	0.3 (.0)	5.0 (5.2)	21 (106)
Chloride, dissolved	7.7 (5300)	1.6 (.9)	2.3 (3.3)	21 (105)
Fluoride, dissolved	.4 (2.0)	.0 (.0)	.1 (.1)	21 (86)
Silica, dissolved (as SiO_2)	47 (56)	13 (5.9)	29 (24)	21 (104)
Dissolved solids (residue at 180°C)	-- (872)	-- (23)	-- (108)	0 (66)
Dissolved solids, calculated (sum of constituents)	213 (10832)	74 (22)	118 (110)	20 (99)
Nitrate (as N)	2.5 (8.4)	.01 (.00)	.10 (.11)	21 (103)
Iron, total recoverable (ug/L)	-- (15000)	-- (<10)	-- (230)	0 (89)
Iron, dissolved (ug/L)	250 (30)	<10 (30)	41 (--)	20 (1)
Manganese, total recoverable (ug/L)	-- (440)	-- (<10)	-- (50)	0 (28)
Manganese, dissolved (ug/L)	510 (--)	<1 (--)	48 (--)	20 (0)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Kitsap County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	342	(274)	96	(73)	165	(142)	9	(42)
pH (units)	8.3	(8.5)	6.8	(6.1)	7.5	(7.8)	9	(60)
Bacteria, fecal-coliform (cols./100 mL)	<1	(--)	<1	(--)	<1	(--)	6	(0)
Hardness (as $CaCO_3$)	94	(237)	42	(27)	67	(62)	9	(65)
Noncarbonate hardness (as $CaCO_3$)	26	(164)	0	(0)	0	(0)	9	(64)
Calcium, dissolved	22	(67)	8.6	(6.0)	15	(15)	9	(65)
Magnesium, dissolved	9.6	(17)	4.9	(1.5)	6.3	(6.3)	9	(65)
Sodium, dissolved	21	(22)	4.1	(2.8)	5.9	(6.4)	9	(44)
Sodium adsorption ratio	1.2	(1.4)	.3	(.2)	.3	(.4)	9	(44)
Potassium, dissolved	7.0	(5.1)	.4	(.0)	1.5	(1.6)	9	(44)
Alkalinity, total (as $CaCO_3$)	110	(159)	46	(22)	66	(70)	9	(64)
Sulfate, dissolved	10	(48)	<1.0	(.0)	1.0	(4.1)	9	(65)
Chloride, dissolved	5.9	(97)	1.1	(.2)	3.3	(3.0)	9	(65)
Fluoride, dissolved	.1	(.3)	.0	(.0)	.1	(.1)	9	(51)
Silica, dissolved (as SiO_2)	55	(55)	23	(13)	33	(30)	9	(65)
Dissolved solids (residue at 180°C)	--	(403)	--	(59)	--	(112)	0	(64)
Dissolved solids, calculated (sum of constituents)	164	(216)	77	(49)	114	(102)	9	(44)
Nitrate (as N)	4.3	(2.5)	.00	(.00)	.11	(.02)	9	(57)
Iron, total recoverable (ug/L)	--	(3300)	--	(10)	--	(115)	0	(58)
Iron, dissolved (ug/L)	5100	(1500)	<10	(135)	20	(505)	9	(4)
Manganese, total recoverable (ug/L)	--	(600)	--	(<20)	--	(50)	0	(15)
Manganese, dissolved (ug/L)	940	(190)	2	(20)	50	(35)	9	(4)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Mason County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	197	(392)	98	(54)	113	(130)	5	(12)
pH (units)	8.0	(9.1)	7.4	(6.6)	7.7	(7.5)	5	(28)
Bacteria, fecal-coliform (cols./100 mL)	<1	(--)	<1	(--)	<1	(--)	5	(--)
Hardness (as $CaCO_3$)	87	(102)	42	(9)	51	(50)	5	(32)
Noncarbonate hardness (as $CaCO_3$)	9	(34)	0	(0)	0	(0)	5	(32)
Calcium, dissolved	24	(26)	9.3	(1.3)	11	(10)	5	(32)
Magnesium, dissolved	6.6	(12)	4.3	(.0)	5.8	(5.6)	5	(32)
Sodium, dissolved	7.2	(41)	3.6	(.7)	5.1	(2.2)	5	(32)
Sodium adsorption ratio	.4	(4.7)	.2	(.0)	.3	(.2)	5	(32)
Potassium, dissolved	2.0	(3.4)	.6	(.0)	.6	(.9)	5	(32)
Alkalinity, total (as $CaCO_3$)	100	(126)	44	(25)	54	(48)	5	(32)
Sulfate, dissolved	5.0	(11.3)	1.2	(.0)	2.6	(3.8)	5	(32)
Chloride, dissolved	14	(72)	1.3	(.5)	1.8	(2.1)	5	(32)
Fluoride, dissolved	.1	(.2)	.1	(.0)	.1	(.1)	5	(32)
Silica, dissolved (as SiO_2)	36	(54)	23	(6.2)	25	(16)	5	(32)
Dissolved solids residue at 180°C)	--	(172)	--	(48)	--	(102)	0	(11)
Dissolved solids, calculated (sum of constituents)	143	(215)	74	(44)	82	(68)	5	(32)
Nitrate (as N)	.09	(.60)	.00	(.00)	.04	(.10)	5	(31)
Iron, total recoverable (ug/L)	--	(960)	--	(<10)	--	(40)	0	(28)
Iron, dissolved (ug/L)	140	(3800)	<10	(60)	40	(900)	5	(4)
Manganese, total recoverable (ug/L)	--	(500)	--	(0)	--	(28)	0	(24)
Manganese, dissolved (ug/L)	60	(900)	1	(70)	4	(160)	5	(4)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Pierce County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	485 (2880)	94 (68)	148 (140)	35 (77)
pH (units)	8.0 (8.0)	6.4 (6.4)	7.4 (7.3)	35 (90)
Bacteria, fecal-coliform (cols./100 mL)	16 (--)	<1 (--)	<1 (--)	35 (0)
Hardness (as $CaCO_3$)	156 (392)	35 (22)	58 (52)	35 (104)
Noncarbonate hardness (as $CaCO_3$)	36 (319)	0 (0)	0 (0)	35 (103)
Calcium, dissolved	39 (48)	7.4 (5.0)	13 (11)	35 (103)
Magnesium, dissolved	24 (66)	3.3 (.3)	6.2 (5.4)	35 (103)
Sodium, dissolved	28 (454)	4.4 (3.4)	6.6 (6.1)	35 (87)
Sodium adsorption ratio	1.5 (10)	.3 (.3)	.4 (.4)	35 (87)
Potassium, dissolved	7.8 (5.2)	.6 (.2)	1.7 (1.9)	35 (87)
Alkalinity, total (as $CaCO_3$)	170 (189)	33 (23)	60 (54)	35 (103)
Sulfate, dissolved	18 (141)	.2 (.0)	3.2 (4.5)	35 (104)
Chloride, dissolved	9.1 (822)	1.6 (1.0)	3.4 (3.5)	35 (104)
Fluoride, dissolved	.4 (1.6)	.0 (.0)	.1 (.1)	35 (89)
Silica, dissolved (as SiO_2)	60 (57)	20 (9.7)	33 (32)	35 (90)
Dissolved solids (residue at 180°C)	-- (1680)	-- (51)	-- (100)	-- (97)
Dissolved solids, calculated (sum of constituents)	275 (1618)	72 (57)	98 (101)	35 (74)
Nitrate (as N)	6.3 (8.1)	.00 (.00)	.18 (.10)	35 (94)
Iron, total recoverable (ug/L)	-- (4100)	-- (10)	-- (105)	-- (86)
Iron, dissolved (ug/L)	12000 (1650)	<10 (<10)	40 (25)	35 (17)
Manganese, total recoverable (ug/L)	-- (480)	-- (<20)	-- (50)	-- (28)
Manganese, dissolved (ug/L)	640 (268)	1 (<10)	9 (10)	35 (17)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

San Juan County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	8400 (3000)	205 (142)	650 (616)	57 (21)
pH (units)	9.6 (9.5)	6.3 (6.9)	7.6 (7.4)	57 (21)
Bacteria, fecal-coliform (cols./100 mL)	>60 (--)	<1 (--)	<1 (--)	168 (0)
Hardness (as $CaCO_3$)	1739 (531)	3 (4)	174 (145)	57 (21)
Noncarbonate hardness (as $CaCO_3$)	1692 (219)	0 (0)	7 (18)	57 (21)
Calcium, dissolved	350 (89)	.9 (1.6)	50 (40)	57 (21)
Magnesium, dissolved	210 (80)	.0 (.0)	16 (16)	57 (21)
Sodium, dissolved	870 (230)	5.4 (6.4)	71 (39)	57 (21)
Sodium adsorption ratio	31 (17)	.2 (.3)	2.0 (1.1)	57 (21)
Potassium, dissolved	33 (27)	.2 (.6)	2.5 (2.9)	57 (21)
Alkalinity, total (as $CaCO_3$)	570 (422)	47 (20)	210 (189)	57 (21)
Sulfate, dissolved	140 (130)	1.0 (7.2)	32 (22)	57 (21)
Chloride, dissolved	2700 (430)	6.7 (9.7)	46 (28)	57 (21)
Fluoride, dissolved	2.9 (.4)	.0 (.1)	.1 (.2)	57 (21)
Silica, dissolved (as SiO_2)	41 (35)	8.9 (11)	20 (22)	57 (8)
Dissolved solids (residue at 180°C)	-- (815)	-- (189)	-- (338)	0 (8)
Dissolved solids, calculated (sum of constituents)	4208 (808)	123 (182)	401 (366)	57 (8)
Nitrate (as N)	3.1 (2.7)	.00 (.00)	.05 (0.10)	57 (21)
Iron, total recoverable (ug/L)	-- (3600)	-- (30)	-- (270)	0 (7)
Iron, dissolved (ug/L)	21000 (440)	<10 (40)	40 (110)	57 (14)
Manganese, total recoverable (ug/L)	-- (200)	-- (<20)	-- (110)	0 (2)
Manganese, dissolved (ug/L)	910 (--)	<1 (--)	20 (--)	57 (0)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Skagit County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	845 (2540)	211 (59)	347 (318)	7 (25)
pH (units)	7.7 (8.3)	6.6 (6.2)	6.8 (7.2)	7 (18)
Bacteria, fecal-coliform (cols./100 mL)	>60 (--)	<1 (--)	<1 (--)	7 (0)
Hardness (as $CaCO_3$)	206 (320)	58 (21)	121 (97)	7 (26)
Noncarbonate hardness (as $CaCO_3$)	51 (35)	0 (0)	4 (0)	7 (25)
Calcium, dissolved	28 (43)	11 (6.4)	23 (16)	7 (20)
Magnesium, dissolved	33 (29)	7.3 (1.3)	19 (13)	7 (20)
Sodium, dissolved	88 (550)	6.9 (1.1)	18 (14)	7 (19)
Sodium adsorption ratio	2.7 (26)	.2 (.1)	.7 (.6)	7 (19)
Potassium, dissolved	12 (14)	1.6 (.4)	3.2 (3.3)	7 (18)
Alkalinity, total (as $CaCO_3$)	240 (587)	54 (15)	100 (118)	7 (25)
Sulfate, dissolved	44 (150)	.5 (.5)	11 (10)	7 (26)
Chloride, dissolved	130 (410)	2.8 (.0)	26 (14)	7 (26)
Fluoride, dissolved	.2 (.6)	.0 (.0)	.1 (.2)	7 (23)
Silica, dissolved (as SiO_2)	59 (59)	27 (9.2)	42 (38)	7 (17)
Dissolved solids (residue at 180°C)	-- (1570)	-- (49)	-- (196)	0 (13)
Dissolved solids, calculated (sum of constituents)	476 (1528)	140 (38)	214 (186)	7 (17)
Nitrate (as N)	6.4 (4.5)	.10 (.00)	.51 (.15)	7 (23)
Iron, total recoverable (ug/L)	-- (35000)	-- (20)	-- (130)	0 (18)
Iron, dissolved (ug/L)	15000 (820)	<10 (20)	84 (530)	7 (5)
Manganese, total recoverable (ug/L)	- (500)	-- (<20)	-- (50)	0 (7)
Manganese, dissolved (ug/L)	820 (60)	6 (<10)	120 (30)	7 (4)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Snohomish County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	365 (2430)	129 (52)	215 (174)	7 (52)
pH (units)	8.0 (8.1)	7.5 (6.4)	7.7 (7.6)	7 (46)
Bacteria, fecal-coliform (cols./100 mL)	<1 (--)	<1 (--)	<1 (--)	7 (0)
Hardness (as $CaCO_3$)	129 (216)	53 (21)	90 (66)	7 (53)
Noncarbonate hardness (as $CaCO_3$)	4 (47)	0 (0)	0 (0)	7 (52)
Calcium, dissolved	27 (60)	9.2 (5.4)	21 (16)	7 (53)
Magnesium, dissolved	15 (20)	7.3 (1.4)	8.6 (7.5)	7 (53)
Sodium, dissolved	24 (420)	4.3 (2.0)	6.1 (6.4)	7 (53)
Sodium adsorption ratio	1.0 (13)	.2 (.2)	.4 (.4)	7 (53)
Potassium, dissolved	8.1 (28)	1.4 (.2)	2.0 (2.1)	7 (52)
Alkalinity, total (as $CaCO_3$)	180 (349)	50 (18)	93 (73)	7 (52)
Sulfate, dissolved	6.0 (53)	<1.0 (.0)	1.0 (6.1)	7 (53)
Chloride, dissolved	7.0 (550)	1.8 (.2)	2.3 (4.2)	7 (53)
Fluoride, dissolved	.2 (.4)	.1 (.0)	.1 (.1)	7 (52)
Silica, dissolved (as SiO_2)	42 (48)	34 (8.5)	36 (28)	7 (53)
Dissolved solids (residue at 180°C)	-- (1360)	-- (54)	-- (127)	0 (53)
Dissolved solids, calculated (sum of constituents)	217 (1342)	93 (41)	137 (124)	7 (52)
Nitrate (as N)	.23 (6.4)	.10 (.00)	.12 (.23)	7 (51)
Iron, total recoverable (ug/L)	-- (31000)	-- (<10)	-- (205)	0 (46)
Iron, dissolved (ug/L)	570 (2300)	16 (40)	280 (210)	7 (6)
Manganese, total recoverable (ug/L)	-- (300)	-- (0)	-- (20)	0 (12)
Manganese, dissolved (ug/L)	540 (150)	11 (<10)	110 (40)	7 (6)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Thurston County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	134	(268)	108	(51)	125	(123)	5	(21)
pH (units)	7.5	(8.2)	6.6	(6.6)	7.2	(7.2)	5	(20)
Bacteria, fecal-coliform (cols./100 mL)	5	(5)	<1	(5)	<1	(--)	5	(1)
Hardness (as $CaCO_3$)	48	(115)	41	(20)	46	(45)	5	(21)
Noncarbonate hardness (as $CaCO_3$)	0	(10)	0	(0)	0	(0)	5	(21)
Calcium, dissolved	11	(16)	6.7	(4.5)	9.6	(8.8)	5	(21)
Magnesium, dissolved	7.0	(18)	4.0	(1.7)	5.7	(4.6)	5	(21)
Sodium, dissolved	7.6	(20)	4.9	(3.4)	5.4	(6.1)	5	(21)
Sodium adsorption ratio	.5	(1.3)	.3	(.3)	.4	(.4)	5	(21)
Potassium, dissolved	3.1	(2.7)	.8	(.6)	1.7	(1.8)	5	(21)
Alkalinity, total (as $CaCO_3$)	54	(110)	46	(22)	49	(52)	5	(21)
Sulfate, dissolved	5.0	(10)	.3	(.2)	2.2	(3.4)	5	(21)
Chloride, dissolved	3.8	(19)	2.4	(1.0)	3.2	(3.0)	5	(21)
Fluoride, dissolved	.2	(.5)	.0	(.0)	.1	(.1)	5	(21)
Silica, dissolved (as SiO_2)	47	(58)	27	(15)	36	(34)	5	(20)
Dissolved solids (residue at 180°C)	--	(170)	--	(44)	--	(104)	0	(20)
Dissolved solids, calculated (sum of constituents)	107	(166)	78	(46)	97	(102)	5	(20)
Nitrate (as N)	.86	(2.1)	.00	(.01)	.37	(.43)	5	(21)
Iron, total recoverable (ug/L)	--	(2000)	--	(<10)	--	(240)	0	(19)
Iron, dissolved (ug/L)	450	(160)	12	(160)	54	(--)	5	(1)
Manganese, total recoverable (ug/L)	--	(220)	--	(<5)	--	(20)	0	(9)
Manganese, dissolved (ug/L)	280	(80)	<1	(80)	22	(--)	5	(1)

TABLE 1.--Summary of ground-water quality data, by county--Continued

[Values in milligrams per liter unless otherwise indicated; historical data are in parentheses]

Whatcom County

Constituent	Maximum	Minimum	Median	Number of sample sites
Specific conductance (micromhos)	595 (2500)	148 (113)	295 (305)	7 (36)
pH (units)	8.1 (8.4)	6.2 (6.6)	6.8 (7.5)	7 (36)
Bacteria, fecal-coliform (cols./100 mL)	5 (--)	<1 (--)	<1 (--)	6 (0)
Hardness (as $CaCO_3$)	143 (596)	21 (36)	91 (119)	7 (37)
Noncarbonate hardness (as $CaCO_3$)	52 (446)	0 (0)	36 (13)	7 (37)
Calcium, dissolved	32 (110)	4.5 (7.0)	21 (18)	7 (37)
Magnesium, dissolved	22 (78)	2.4 (2.9)	7.2 (13)	7 (37)
Sodium, dissolved	140 (345)	3.6 (4.6)	9.1 (18)	7 (35)
Sodium adsorption ratio	14 (7.0)	.2 (.2)	.4 (.8)	7 (35)
Potassium, dissolved	6.0 (24)	.8 (.6)	2.3 (3.0)	7 (34)
Alkalinity, total (as $CaCO_3$)	310 (313)	40 (16)	58 (102)	7 (37)
Sulfate, dissolved	47 (79)	1.0 (.8)	14 (15)	7 (37)
Chloride, dissolved	28 (825)	2.0 (.8)	10 (19)	7 (37)
Fluoride, dissolved	.3 (.6)	.0 (.0)	.0 (.2)	7 (35)
Silica, dissolved (as SiO_2)	50 (45)	12 (2.5)	24 (21)	7 (33)
Dissolved solids (residue at 180°C)	-- (595)	-- (83)	-- (162)	0 (20)
Dissolved solids, calculated (sum of constituents)	367 (1534)	84 (87)	151 (200)	7 (34)
Nitrate (as N)	9.3 (7.2)	.02 (.00)	1.4 (.40)	7 (37)
Iron, total recoverable (ug/L)	-- (12000)	-- (<10)	-- (145)	0 (36)
Iron, dissolved (ug/L)	31000 (--)	10 (--)	50 (--)	7 (0)
Manganese, total recoverable (ug/L)	-- (700)	-- (0)	-- (20)	0 (23)
Manganese, dissolved (ug/L)	2800 (--)	2 (--)	30 (--)	7 (0)

TABLE 2.--Ground-water quality data--major ions, field measurements, concentrations of iron, manganese, nitrate, and bacteria, by county

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				CLALLAM						
30/03W-15G01	48 05 47	123 02 45	01	59-11-20	574	--	332	7.8	--	--
30/03W-19D01	48 05 01	123 07 16	01	81-09-01	49	208.00	272	7.7	13.0	<1
30/03W-25C01	48 04 14	123 00 23	01	59-12-16	500	--	1420	8.0	11.0	--
30/03W-30D05	48 04 17	123 07 10	01	81-09-01	185	290.00	310	7.5	11.8	<1
30/04W-11J01	48 06 21	123 08 51	01	81-09-01	76	122.00	167	7.7	8.2	<1
30/04W-12Q01	48 06 10	123 07 52	01	62-11-14	--	--	205	6.9	9.4	--
30/09W-26R01	48 03 19	123 47 09	01	67-09-20	45	--	136	7.2	7.0	--
30/09W-30F01	48 04 05	123 54 54	01	67-09-20	44	--	163	7.5	7.0	--
31/04W-27R01	48 08 52	123 10 05	01	71-03-30	53	35.00	393	7.9	10.1	--
31/07W-27J03	48 08 54	123 32 47	02	77-05-11	41	13.00	104	6.6	9.0	<1
31/07W-34A02	48 08 39	123 33 10	01	76-07-13	--	19.00	112	7.2	6.8	--
31/07W-34B03	48 08 40	123 33 19	01	77-05-11	33	14.00	89	6.8	8.0	<1
31/07W-35E01	48 08 27	123 32 28	01	77-05-11	33	22.00	114	6.3	8.5	<1
31/07W-35N01	48 08 01	123 32 41	01	77-05-11	53	40.00	94	6.5	8.5	<1
33/15W-14C01	48 21 48	124 36 39	01	53-02-27	52	--	377	--	8.5	--

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
30/03W-15G01	59-11-20	143	0	36	13	16	19	.6	2.5	207
30/03W-19D01	81-09-01	127	7	39	7.1	4.4	7	.2	.8	--
30/03W-25C01	59-12-16	22	0	7.5	.9	300	97	29	.8	234
30/03W-30D05	81-09-01	130	0	34	11	11	15	.4	.9	--
30/04W-11J01	81-09-01	83	6	27	3.8	3.8	9	.2	.5	--
30/04W-12Q01	62-11-14	99	2	29	6.5	4.4	9	.2	.6	118
30/09W-26R01	67-09-20	64	0	19	4.0	2.7	8	.2	.4	78
30/09W-30F01	67-09-20	71	0	22	4.0	5.2	14	.3	.5	92
31/04W-27R01	71-03-30	176	5	31	24	18	18	.6	2.1	208
31/07W-27J03	77-05-11	51	6	16	2.6	2.8	11	.2	.3	55
31/07W-34A02	76-07-13	42	2	14	1.7	2.0	9	.1	.2	49
31/07W-34B03	77-05-11	42	8	14	1.7	2.1	0	.1	.1	42
31/07W-35E01	77-05-11	54	7	17	2.7	4.1	14	.3	.3	57
31/07W-35N01	77-05-11	46	8	15	2.0	2.8	12	.2	.2	46
33/15W-14C01	53-02-27	175	4	59	6.7	14	15	.5	1.0	208

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				CLALLAM						
30/03W-15G01	59-11-20	0	--	170	--	5.3	5.5	.1	25	206
30/03W-19D01	81-09-01	--	--	--	120	<5.0	2.6	.3	14	--
30/03W-25C01	59-12-16	0	--	192	--	19	320	1.1	17	778
30/03W-30D05	81-09-01	--	--	--	140	7.0	4.9	.4	23	--
30/04W-11J01	81-09-01	--	--	--	77	5.0	1.4	.3	12	--
30/04W-12Q01	62-11-14	0	--	97	--	8.4	1.5	.1	12	--
30/09W-26R01	67-09-20	0	--	64	--	5.8	1.0	.0	11	84
30/09W-30F01	67-09-20	0	--	75	--	5.6	3.0	.1	14	86
31/04W-27R01	71-03-30	--	--	171	--	15	13	.1	24	218
31/07W-27J03	77-05-11	0	--	45	--	10	1.3	.1	11	68
31/07W-34A02	76-07-13	0	--	40	--	7.8	1.5	.1	8.3	59
31/07W-34B03	77-05-11	0	--	34	--	13	1.3	.1	6.9	58
31/07W-35E01	77-05-11	0	--	47	--	11	3.0	.1	13	79
31/07W-35N01	77-05-11	0	--	38	--	8.6	1.8	.1	8.9	64
33/15W-14C01	53-02-27	0	--	171	--	20	7.0	--	6.7	--

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
30/03W-15G01	59-11-20	205	--	.10	--	--	10	--	--	--
30/03W-19D01	81-09-01	147	--	--	--	1.6	--	<10	--	6
30/03W-25C01	59-12-16	781	--	.20	--	--	1700	--	--	--
30/03W-30D05	81-09-01	176	--	--	--	2.3	--	<10	--	3
30/04W-11J01	81-09-01	100	--	--	--	.15	--	13	--	4
30/04W-12Q01	62-11-14	121	--	1.2	--	--	70	--	--	--
30/09W-26R01	67-09-20	82	.07	.30	--	--	<5	--	--	--
30/09W-30F01	67-09-20	100	.05	.20	--	--	10	--	--	--
31/04W-27R01	71-03-30	230	--	--	1.0	--	60	--	<20	--
31/07W-27J03	77-05-11	71	--	--	.07	--	--	20	--	<10
31/07W-34A02	76-07-13	60	--	--	.04	--	--	--	--	--
31/07W-34B03	77-05-11	60	--	--	.09	--	--	160	--	<10
31/07W-35E01	77-05-11	79	--	--	.33	--	--	20	--	<10
31/07W-35N01	77-05-11	62	--	--	.07	--	--	20	--	<10
33/15W-14C01	53-02-27	217	--	3.9	--	--	--	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				ISLAND						
29/02E-09Q01	48 00 33	122 33 25	01	60-05-19	248	70.00	292	7.9	10.0	--
29/02E-27D01	47 58 40	122 32 45	01	81-09-18	189	165.00	1210	7.6	13.6	--
29/03E-08C01	48 01 07	122 27 11	01	72-06-08	157	140.00	219	8.4	9.5	--
29/03E-08E02	48 00 55	122 27 35	01	81-08-18	103	41.97	295	8.1	13.2	--
29/03E-09C01	48 01 14	122 25 45	01	81-08-18	57	214.28	135	7.2	9.7	--
29/03E-28F01	47 58 22	122 25 15	03	62-11-13	80	--	242	6.8	--	--
30/02E-08J03	48 05 58	122 34 18	02	61-04-25	100	168.00	208	7.5	11.5	--
30/02E-08N02	48 05 48	122 35 22	02	81-08-18	194	190.00	245	7.5	10.4	--
30/02E-09D01	48 06 27	122 34 05	01	81-08-18	45	8.00	1820	7.9	12.6	--
30/02E-09N04	48 05 47	122 34 10	04	81-08-19	35	161.80	280	7.4	11.3	--
30/02E-33A01	48 03 00	122 33 16	01	72-06-08	141	--	231	8.0	9.0	--
30/03E-10G03	48 06 07	122 24 26	01	81-08-20	270	190.00	2250	7.8	19.0	--
30/03E-10J01	48 06 03	122 23 55	01	81-08-20	260	200.00	2500	7.8	11.6	--
30/03E-14K01	48 05 10	122 22 55	01	81-08-20	405	320.00	500	7.9	19.0	--
31/01E-02E01	48 12 20	122 39 27	01	81-08-19	246	193.59	1003	7.9	11.2	--
31/01E-10J01	48 11 22	122 39 42	01	81-08-21	35	78.00	1000	7.8	12.8	--
31/02E-07R02	48 11 36	122 36 05	01	81-08-19	36	18.08	2000	7.3	12.6	--
32/01E-17F01	48 15 50	122 42 55	01	81-08-19	79	139.52	930	7.3	10.8	--
32/01E-18A01	48 16 04	122 43 29	01	81-08-21	256	161.11	1150	7.4	14.4	--
32/01E-32N01	48 12 42	122 43 07	01	81-08-21	217	73.61	33000	7.0	12.2	--
32/01E-33J01	48 13 11	122 41 52	01	60-05-19	240	92.00	1040	7.7	12.8	--
				60-09-29	240	--	1720	7.7	11.7	--
32/03E-17R02	48 17 53	122 26 36	02	81-08-20	203	171.00	668	7.7	11.6	--
32/03E-18A01	48 26 03	122 27 37	02	60-05-19	165	133.00	937	7.6	10.0	--
				60-09-27	165	--	986	7.4	10.6	--
				61-04-24	165	--	679	7.6	10.6	--
32/03E-19C01	48 15 11	122 27 44	01	60-05-19	137	80.00	433	7.7	10.0	--
32/03E-21F01	48 14 53	122 25 47	01	81-08-20	158	105.00	2420	7.7	11.6	--
32/03E-27N01	48 13 37	122 24 47	01	81-08-20	121	90.00	1930	7.8	16.0	--
33/01E-27Q01	48 19 01	122 40 35	01	81-08-19	269	216.22	950	7.9	13.2	--
33/01E-35B06	48 18 32	122 38 41	01	81-08-21	67	92.64	540	7.7	11.2	--
33/01E-35E01	48 18 23	122 31 44	01	81-08-21	157	94.20	565	8.0	19.0	--
33/02E-26D01	48 19 21	122 31 32	01	81-08-19	99	70.00	488	7.6	15.0	--
33/02E-26P01	48 18 43	122 31 08	01	81-08-19	81	170.00	550	7.6	11.2	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				ISLAND						
29/02E-09Q01	60-05-19	123	0	23	16	11	16	.4	3.2	155
29/02E-27D01	81-08-18	316	16	57	42	120	44	3.0	10	--
29/03E-08C01	72-06-08	91	0	15	13	8.9	17	.4	2.8	116
29/03E-08E02	81-08-18	126	0	19	19	12	17	.5	2.7	--
29/03E-09C01	81-08-18	48	8	7.6	7.0	6.0	21	.4	1.6	--
29/03E-28F01	62-11-13	101	19	14	16	9.1	16	.4	3.1	100
30/02E-08J03	61-04-25	74	0	8.0	13	15	30	.8	1.4	94
30/02E-08N02	81-08-18	85	47	11	14	12	23	.6	1.3	--
30/02E-09D01	81-08-18	193	23	26	31	300	76	9.6	11	--
30/02E-09N04	81-08-19	91	0	15	13	22	34	1.0	2.2	--
30/02E-33A01	72-06-08	87	6	15	12	12	23	.6	1.6	99
30/03E-10G03	81-08-20	407	277	67	58	280	59	6.2	11	--
30/03E-10J01	81-08-20	458	298	81	62	320	60	6.7	11	--
30/03E-14K01	81-08-20	189	29	36	24	25	22	.8	3.7	--
31/01E-02E01	81-08-19	433	73	48	76	44	17	.9	21	--
31/01E-10J01	81-08-21	412	32	61	63	61	24	1.3	13	--
31/02E-07B02	81-08-19	885	425	140	130	82	17	1.2	5.6	--
32/01E-17F01	81-08-19	387	17	51	63	49	21	1.1	6.4	--
32/01E-18A01	81-08-21	449	89	56	75	63	23	1.3	6.8	--
32/01E-32N01	81-08-21	5961	5811	800	960	5800	68	33	78	--
32/01E-33J01	60-05-19	456	54	82	61	51	19	1.1	11	490
	60-09-29	851	292	90	152	73	15	1.1	16	682
32/03E-17R02	81-08-20	304	24	59	38	20	12	.5	7.7	--
32/03E-18A01	60-05-19	176	37	39	19	120	59	4.1	6.6	170
	60-09-27	174	36	40	18	136	62	4.6	6.9	168
	61-04-24	148	6	33	16	79	53	2.9	5.3	173
32/03E-19C01	60-05-19	195	7	45	20	14	13	.4	6.0	229
32/03E-21F01	81-08-20	438	198	73	62	320	61	6.8	11	--
32/03E-27N01	81-08-20	281	51	66	28	180	57	4.8	9.8	--
33/01E-27M01	81-08-19	131	0	21	19	160	71	6.2	11	--
33/01E-35R06	81-08-21	221	31	39	30	26	20	.8	3.0	--
33/01E-35E01	81-08-21	189	9	26	30	39	30	1.3	10	--
33/02E-26D01	81-08-19	220	30	37	31	18	15	.5	2.9	--
33/02E-26P01	81-08-19	244	14	48	30	21	16	.6	3.1	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				ISLAND						
29/02E-09Q01	60-05-19	0	--	127	--	8.4	11	.1	47	181
29/02E-27D01	81-08-18	--	--	--	300	45	190	.2	32	--
29/03E-08C01	72-06-08	0	--	95	--	15	9.2	.1	37	172
29/03E-08E02	81-08-18	--	--	--	130	<1.0	21	.1	41	--
29/03E-09C01	81-08-18	--	--	--	40	3.0	13	.1	34	--
29/03E-28F01	62-11-13	0	--	82	--	18	14	.2	44	--
30/02E-08J03	61-04-25	0	--	77	--	11	10	.1	29	146
30/02E-08N02	81-08-18	--	--	--	38	18	18	.1	33	--
30/02E-09D01	81-08-18	--	--	--	170	64	440	.4	36	--
30/02E-09N04	81-08-19	--	--	--	91	13	19	.1	41	--
30/02E-33A01	72-06-08	0	--	81	--	15	15	.1	31	176
30/03E-18G03	81-08-20	--	--	--	130	59	600	.1	42	--
30/03E-18J01	81-08-20	--	--	--	160	52	700	.1	40	--
30/03E-14K01	81-08-20	--	--	--	160	5.0	66	.1	31	--
31/01E-02E01	81-08-19	--	--	--	360	38	110	.1	36	--
31/01E-10J01	81-08-21	--	--	--	380	35	86	.2	22	--
31/02E-07B02	81-08-19	--	--	--	460	10	410	.2	29	--
32/01E-17F01	81-08-19	--	--	--	370	<1.0	84	.1	39	--
32/01E-18A01	81-08-21	--	--	--	360	5.0	170	.1	41	--
32/01E-32N01	81-08-21	--	--	--	150	1800	13000	.0	34	--
32/01E-33J01	60-05-19	0	--	402	--	47	82	.2	36	595
	60-09-29	0	--	559	--	230	150	.2	27	1100
32/03E-17R02	81-08-20	--	--	--	280	42	32	.2	32	--
32/03E-18A01	60-05-19	0	--	139	--	27	185	.2	37	516
	60-09-27	0	--	138	--	26	220	.2	31	575
	61-04-24	0	--	142	--	20	112	.2	31	411
32/03E-19C01	60-05-19	0	--	188	--	16	16	.2	38	254
32/03E-21F01	81-08-20	--	--	--	240	85	580	.2	36	--
32/03E-27N01	81-08-20	--	--	--	230	47	300	.1	27	--
33/01E-27M01	81-08-19	--	--	--	260	79	120	.1	28	--
33/01E-35B06	81-08-21	--	--	--	190	31	46	.1	29	--
33/01E-35E01	81-08-21	--	--	--	180	50	42	.1	20	--
33/02E-26D01	81-08-19	--	--	--	190	24	29	.1	29	--
33/02E-26P01	81-08-19	--	--	--	230	22	30	.1	27	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				ISLAND						
29/02E-09Q01	60-05-19	196	--	.00	--	--	120	--	--	--
29/02E-27D01	81-08-18	677	--	--	--	.37	--	19	--	58
29/03E-08C01	72-06-08	158	--	--	.32	--	100	--	<20	--
29/03E-08E02	81-08-18	194	--	--	--	<.10	--	120	--	82
29/03E-09C01	81-08-18	97	--	--	--	.02	--	<10	--	3
29/03E-28F01	62-11-13	168	--	1.5	--	--	1700	--	300	--
30/02E-08J03	61-04-25	134	--	5.2	--	--	40	--	--	--
30/02E-08N02	81-08-18	132	--	--	--	2.3	--	17	--	5
30/02E-09D01	81-08-18	1013	--	--	--	<.10	--	110	--	250
30/02E-09N04	81-08-19	180	--	--	--	2.1	--	12	--	6
30/02E-33A01	72-06-08	151	--	--	.28	--	80	--	<20	--
30/03E-10G03	81-08-20	1199	--	--	--	<.10	--	40	--	390
30/03E-10J01	81-08-20	1367	--	--	--	<.10	--	130	--	580
30/03E-14K01	81-08-20	287	--	--	--	.01	--	<10	--	12
31/01E-02E01	81-08-19	590	--	--	--	.01	--	18	--	120
31/01E-10J01	81-08-21	570	--	--	--	2.2	--	<10	--	34
31/02E-07B02	81-08-19	1086	--	--	--	.01	--	1700	--	490
32/01E-17F01	81-08-19	516	--	--	--	<.10	--	140	--	140
32/01E-18A01	81-08-21	636	--	--	--	.13	--	26	--	290
32/01E-32N01	81-08-21	22588	--	--	--	<.10	--	5800	--	4300
32/01E-33J01	60-05-19	611	--	.10	--	--	90	--	--	--
	60-09-29	1074	--	.00	--	--	690	--	--	--
32/03E-17R02	81-08-20	401	--	--	--	.21	--	<10	--	260
32/03E-18A01	60-05-19	517	--	.50	--	--	70	--	--	--
	60-09-27	551	--	.40	--	--	190	--	--	--
	61-04-24	382	--	.60	--	--	260	--	--	--
32/03E-19C01	60-05-19	268	--	1.0	--	--	10	--	--	--
32/03E-21F01	81-08-20	1315	--	--	--	.30	--	30	--	1100
32/03E-27N01	81-08-20	797	--	--	--	.03	--	<10	--	12
33/01E-27M01	81-08-19	596	--	--	--	.14	--	11	--	34
33/01E-35B06	81-08-21	319	--	--	--	.81	--	<10	--	2
33/01E-35E01	81-08-21	326	--	--	--	.15	--	<10	--	26
33/02E-26D01	81-08-19	286	--	--	--	.98	--	12	--	56
33/02E-26P01	81-08-19	320	--	--	--	.94	--	30	--	46

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				JEFFERSON						
26/01W-29R01	47 42 37	122 49 19	01	64-09-29	300	--	--	7.7	--	--
26/02W-35P01	47 41 38	122 53 45	01	72-02-28	28	10.00	103	6.3	7.4	--
26/03W-15M01	47 44 29	123 02 59	01	66-04-21	46	--	114	6.9	6.7	--
27/02W-22Q02	47 48 37	122 54 44	01	61-05-01	50	--	650	6.8	8.9	--
27/02W-22R01	47 48 43	122 54 27	01	63-06-07	100	--	9750	6.5	10.6	--
27/02W-24C01	47 49 28	122 52 29	01	59-11-30	167	--	329	6.7	9.4	--
27/02W-27B01	47 48 32	122 54 48	01	63-09-16	50	--	1110	6.7	10.0	--
28/01E-33N01	47 52 12	122 41 18	01	62-11-13	73	--	215	7.8	11.7	--
29/01W-22R01	47 59 11	122 46 54	01	62-11-14	105	--	333	7.3	10.0	--
30/01W-07A01	48 06 47	122 50 48	01	81-09-02	316	220.00	582	7.7	9.8	<1
30/01W-22K01	48 04 36	122 47 11	01	81-09-01	270	180.00	580	7.6	14.6	<1

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
26/01W-29R01	64-09-29	87	30	29	3.5	8.5	17	.4	4.2	70
26/02W-35P01	72-02-28	46	0	15	2.0	2.7	11	.2	.3	59
26/03W-15M01	66-04-21	52	0	18	1.8	1.8	7	.1	.2	64
27/02W-22Q02	61-05-01	132	90	50	1.7	67	52	2.7	.3	51
27/02W-22R01	63-06-07	2380	2368	950	1.8	1100	50	10	6.0	15
27/02W-24C01	59-11-30	98	30	32	4.5	24	34	1.1	.8	83
27/02W-27B01	63-09-16	272	229	100	5.4	100	44	2.8	.3	53
28/01E-33N01	62-11-13	94	0	18	12	7.2	14	.3	2.0	120
29/01W-22R01	62-11-14	133	0	30	14	19	23	.7	2.0	210
30/01W-07A01	81-09-02	231	0	53	24	26	19	.8	6.8	--
30/01W-22K01	81-09-01	248	28	58	25	16	12	.5	4.4	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				JEFFERSON						
26/01W-29R01	64-09-29	0	--	57	--	14	18	--	30	159
26/02W-35P01	72-02-28	0	--	48	--	5.0	1.6	.1	12	50
26/03W-15M01	66-04-21	0	--	52	--	4.8	.8	.1	9.6	65
27/02W-22Q02	61-05-01	0	--	42	--	2.8	162	.0	16	352
27/02W-22R01	63-06-07	0	--	12	--	31	3400	.1	7.8	5690
27/02W-24C01	59-11-30	0	--	68	--	5.2	58	.1	20	196
27/02W-27B01	63-09-16	0	--	43	--	5.1	320	.2	17	622
28/01E-33N01	62-11-13	0	--	98	--	5.2	5.0	.1	33	--
29/01W-22R01	62-11-14	0	--	172	--	1.2	6.8	.2	49	--
30/01W-07A01	81-09-02	--	--	--	240	<5.0	34	.6	47	--
30/01W-22K01	81-09-01	--	--	--	220	<5.0	54	.6	38	--

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
26/01W-29R01	64-09-29	142	--	--	--	--	<10	--	--	--
26/02W-35P01	72-02-28	68	--	--	.35	--	150	--	<20	--
26/03W-15M01	66-04-21	69	--	.10	--	--	350	--	<50	--
27/02W-22Q02	61-05-01	325	--	1.2	--	--	150	--	--	--
27/02W-22R01	63-06-07	5504	--	8.7	--	--	10	--	100	--
27/02W-24C01	59-11-30	185	--	.00	--	--	380	--	--	--
27/02W-27B01	63-09-16	574	--	2.4	--	--	120	--	<50	--
28/01E-33N01	62-11-13	142	--	.00	--	--	90	--	--	--
29/01W-22R01	62-11-14	225	--	.10	--	--	720	--	300	--
30/01W-07A01	81-09-02	341	--	--	--	<.10	--	58	--	420
30/01W-22K01	81-09-01	295	--	--	--	<.10	--	110	--	430

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KING						
19/07E-06E02	47 09 52	121 58 15	01	81-08-19	60	780.00	192	7.1	9.6	<1
20/06E-03R02	47 15 20	122 01 20	01	77-08-16	78	655.00	94	6.3	10.6	--
20/06E-03R03	47 15 08	122 01 31	01	77-08-16	--	--	142	7.7	15.0	--
20/06E-09A02	47 14 25	122 02 29	01	77-08-16	113	570.00	180	7.0	10.5	--
20/06E-10Q01	47 13 52	122 01 19	01	77-08-16	122	660.00	246	7.3	10.5	--
20/06E-12C04	47 14 23	121 59 02	01	77-08-16	40	690.00	168	6.4	11.0	--
20/06E-16K02	47 13 15	122 02 37	01	77-08-16	158	630.00	198	7.6	11.0	--
20/06E-27F01	47 11 41	122 01 36	01	77-08-16	109	720.00	147	7.0	11.0	--
20/06E-29L01	47 11 28	122 04 17	01	81-08-24	168	635.00	335	7.6	10.5	<1
20/07E-05J04	47 14 56	121 56 06	01	77-08-15	76	800.00	142	7.1	12.0	--
20/07E-06G01	47 15 01	121 57 40	01	77-08-15	40	745.00	330	6.8	11.0	--
20/07E-08R02	47 13 50	121 56 00	01	77-08-15	146	910.00	97	6.9	10.5	--
20/07E-18F01	47 13 20	121 58 00	01	77-08-15	44	735.00	21	6.9	13.0	--
20/07E-19G02	47 12 32	121 57 31	01	77-08-15	65	770.00	143	6.8	1.0	--
20/07E-30F01	47 11 35	121 58 00	01	77-08-15	42	770.00	130	6.9	13.8	--
20/07E-31Q01	47 11 00	121 58 15	01	63-10-03	102	755.00	320	7.8	10.0	--
20/10E-24C01	47 12 23	121 28 48	01	71-10-21	83	--	96	6.6	19.2	--
21/02E-01L01	47 20 16	122 29 47	01	61-03-03	180	300.00	104	7.4	8.3	--
21/04E-01M01	47 20 10	122 14 52	01	63-03-30	236	--	170	7.9	8.5	--
21/04E-01Q01	47 19 55	122 14 07	01	63-01-25	179	--	203	7.3	8.5	--
21/04E-05Q02	47 19 56	122 19 18	01	59-12-18	324	455.00	157	7.6	10.0	--
21/04E-07Q02	47 19 08	122 20 22	01	70-10-22	207	--	176	7.1	11.2	--
21/04E-20L02	47 17 25	122 19 35	01	81-06-17	275	240.00	160	7.5	9.6	<1
21/04E-20P02	47 17 17	122 19 29	01	81-06-16	64	220.00	194	7.8	10.8	<1
21/04E-25Q01	47 16 24	122 14 12	01	81-08-21	47	90.00	155	6.8	11.8	<1
21/04E-29C03	47 17 01	122 19 27	01	48-12-00	125	--	--	7.2	--	--
21/04E-29C05	47 17 02	122 19 26	01	50-02-13	500	--	--	7.4	--	--
21/05E-03R02	47 20 35	122 09 28	01	81-06-16	177	415.00	190	8.3	10.2	<1
21/05E-03K03	47 20 06	122 09 05	01	81-06-17	85	355.00	112	7.3	11.2	<1
21/05E-10N02	47 19 06	122 09 47	01	63-10-03	666	--	440	8.5	11.0	--
21/05E-14Q01	47 18 43	122 09 30	01	63-10-03	718	375.00	406	8.2	16.0	--
21/05E-14E01	47 18 35	122 08 28	01	63-10-03	100	380.00	137	7.7	12.0	--
21/05E-18R01	47 18 47	122 12 52	01	70-11-16	293	--	195	7.1	10.8	--
21/05E-29E01	47 16 46	122 12 05	01	81-08-21	60	130.00	123	6.6	10.4	<1
21/06E-04R05	47 20 30	122 02 43	01	81-07-09	88	500.00	136	6.8	10.5	<1
21/06E-27P01	47 16 21	122 01 13	01	63-10-03	1461	225.00	17200	7.2	13.0	--
21/06E-33C02	47 16 08	122 02 57	01	77-08-03	293	565.00	204	8.4	14.0	--
21/06E-35P02	47 15 34	122 00 20	01	77-08-16	228	700.00	503	7.4	11.0	--
21/07E-05H01	47 20 15	121 55 56	01	72-05-16	160	--	72	7.9	8.4	--
21/07E-10F02S	47 19 24	121 54 04	01	63-01-25	--	--	88	6.7	8.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				KING						
19/07E-06E02	81-08-19	73	15	18	6.9	6.0	15	.3	1.8	--
20/06E-03B02	77-08-16	35	7	8.9	3.0	4.3	21	.3	.8	--
20/06E-03G03	77-08-16	75	0	20	6.0	5.7	14	.3	3.0	--
20/06E-09A02	77-08-16	80	1	19	7.9	4.9	11	.2	2.0	--
20/06E-10Q01	77-09-16	107	0	23	12	9.4	16	.4	2.0	--
20/06E-12C04	77-08-16	63	0	16	5.5	8.2	22	.5	1.0	--
20/06E-16K02	77-08-16	92	0	27	5.9	7.4	15	.3	2.0	--
20/06E-27F01	77-08-16	61	0	17	4.6	7.4	20	.4	2.0	--
20/06E-29L01	81-08-24	154	34	45	10	6.5	8	.2	1.8	--
20/07E-05J04	77-08-15	58	0	18	3.2	8.6	24	.5	.8	--
20/07E-06G01	77-08-15	127	47	36	9.0	11	15	.4	8.0	--
20/07E-08P02	77-08-15	37	0	10	3.0	8.3	32	.6	.5	--
20/07E-18F01	77-08-15	95	0	27	6.6	7.3	14	.3	1.3	--
20/07E-19G02	77-08-15	50	2	16	4.8	6.7	19	.4	1.0	--
20/07E-30F01	77-08-15	58	4	15	4.9	6.5	19	.4	1.0	--
20/07E-31D01	63-10-03	145	47	40	11	9.8	13	.4	2.0	120
20/10E-24C01	71-10-21	38	0	11	2.5	4.9	22	.4	.1	55
21/02E-01L01	61-03-03	37	3	5.5	5.6	5.0	22	.4	1.0	42
21/04E-01M01	63-03-30	73	0	18	6.8	8.0	19	.4	1.0	110
21/04E-01Q01	63-01-25	64	0	17	5.2	17	36	1.0	1.0	110
21/04E-05Q02	59-12-18	57	0	14	5.3	5.8	17	.3	3.0	77
21/04E-07Q02	70-10-22	74	1	13	10	6.1	15	.3	2.5	89
21/04E-20L02	81-06-17	55	2	11	9.2	6.5	17	.4	1.7	--
21/04E-20P02	81-06-16	80	12	23	5.6	6.0	13	.3	3.2	--
21/04E-25Q01	81-08-21	59	16	16	4.7	5.5	16	.3	2.1	--
21/04E-29C03	48-12-00	51	0	8.0	7.6	--	--	--	--	68
21/04E-29C05	50-02-13	53	0	8.4	7.7	--	--	--	--	84
21/05E-03R02	81-06-16	68	0	21	3.7	14	30	.8	2.5	--
21/05E-03K03	81-06-17	44	0	7.3	6.3	3.8	15	.3	1.1	--
21/05E-10N02	63-10-03	36	0	12	1.5	96	84	7.3	2.0	260
21/05E-14D01	63-10-03	53	0	14	4.5	72	74	4.4	2.0	160
21/05E-14E01	63-10-03	57	0	16	4.2	3.3	11	.2	2.0	71
21/05E-18R01	70-11-16	80	5	21	6.6	7.6	17	.4	1.6	92
21/05E-29E01	81-08-21	46	3	13	3.3	4.7	18	.3	1.4	--
21/06E-04R05	81-07-09	49	3	13	3.9	7.7	25	.5	.6	--
21/06E-27R01	63-10-03	182	0	40	20	4300	98	143	34	2290
21/06E-33C02	77-08-03	75	0	23	4.2	17	32	.9	2.0	3
21/06E-35R02	77-08-16	98	0	30	5.5	36	43	1.7	5.0	--
21/07E-05H01	72-05-16	29	3	8.7	1.8	2.9	18	.2	.1	32
21/07E-10F02S	63-01-25	31	0	8.5	2.3	5.8	29	.5	.3	44

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
				KING						
19/07E-06F02	81-08-19	--	--	--	58	<1.0	7.7	.1	33	--
20/06E-03B02	77-08-16	--	--	28	--	3.3	3.4	--	19	--
20/06E-03G03	77-08-16	--	--	77	--	7.1	1.8	--	18	--
20/06E-09A02	77-08-16	--	--	79	--	11	2.0	--	30	--
20/06E-10D01	77-08-16	--	--	120	--	3.3	1.1	--	31	--
20/06E-12C04	77-08-16	--	--	81	--	1.2	1.6	--	33	--
20/06E-16K02	77-08-16	--	--	100	--	4.2	2.2	--	17	--
20/06E-27F01	77-08-16	--	--	62	--	13	2.3	--	23	--
20/06E-29L01	81-08-24	--	--	--	120	36	5.2	.2	20	--
20/07E-05J04	77-08-15	--	--	63	--	<1.0	3.5	--	16	--
20/07E-06G01	77-08-15	--	--	80	--	16	27	--	18	--
20/07E-08R02	77-08-15	--	--	41	--	<1.0	1.9	--	18	--
20/07E-19F01	77-08-15	--	--	100	--	4.6	7.0	--	23	--
20/07E-19G02	77-08-15	--	--	58	--	6.5	3.2	--	21	--
20/07E-30F01	77-08-15	--	--	54	--	7.4	4.3	--	21	--
20/07E-31D01	63-10-03	0	--	98	--	67	1.2	.2	18	--
20/10E-24C01	71-10-21	0	--	45	--	1.8	2.0	.1	24	83
21/02E-01L01	61-03-03	0	--	34	--	11	2.8	.1	38	90
21/04E-01M01	63-03-30	0	--	90	--	.6	1.8	.2	40	--
21/04E-01D01	63-01-25	0	--	90	--	.0	11	.2	37	--
21/04E-05Q02	59-12-18	0	--	63	--	6.7	4.0	.4	19	102
21/04E-07Q02	70-10-22	0	--	73	--	8.0	4.1	.1	32	123
21/04E-20L02	81-06-17	--	--	--	63	7.2	2.6	.1	28	--
21/04E-20P02	81-06-16	--	--	--	68	17	3.4	.1	29	--
21/04E-25D01	81-08-21	--	--	--	43	17	3.2	.1	33	--
21/04E-29C03	48-12-00	--	--	56	--	5.8	7.0	--	30	92
21/04E-29C05	50-02-13	--	--	69	--	1.7	2.5	--	50	108
21/05E-03B02	81-06-16	--	--	--	92	1.1	1.9	.1	17	--
21/05E-03K03	81-06-17	--	--	--	47	2.0	2.5	.1	28	--
21/05E-10N02	63-10-03	8	--	227	--	8.0	9.2	.1	19	--
21/05E-14D01	63-10-03	0	--	131	--	44	24	.1	17	--
21/05E-14E01	63-10-03	0	--	58	--	5.4	1.8	.1	23	--
21/05E-18R01	70-11-16	0	--	75	--	12	4.6	.1	24	128
21/05E-29E01	81-08-21	--	--	--	43	2.0	2.0	.1	27	--
21/06E-04B05	81-07-09	--	--	--	46	13	2.1	.1	13	--
21/06E-27P01	63-10-03	0	--	1840	--	.7	5300	--	11	--
21/06E-33C02	77-08-03	--	--	100	--	5.0	--	--	17	--
21/06E-35P02	77-08-16	--	--	220	--	8.8	38	--	18	--
21/07E-05H01	72-05-16	0	--	26	--	2.7	.9	.0	16	78
21/07E-10F02S	63-01-25	0	--	36	--	4.2	1.2	.1	12	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				KING						
19/07E-06E02	81-08-19	120	--	--	--	2.5	--	<10	--	<1
20/06E-03B02	77-08-16	50	--	--	--	2.1	--	--	--	--
20/06E-03B03	77-08-16	108	--	--	--	.01	--	--	--	--
20/06E-09A02	77-08-16	124	--	--	--	.02	--	--	--	--
20/06E-10D01	77-08-16	156	--	--	--	.01	--	--	--	--
20/06E-12C04	77-08-16	116	--	--	--	.06	--	--	--	--
20/06E-16K02	77-09-16	126	--	--	--	.01	--	--	--	--
20/06E-27F01	77-08-16	107	--	--	--	.67	--	--	--	--
20/06E-29L01	81-08-24	197	--	--	--	.03	--	13	--	200
20/07E-05J04	77-08-15	--	--	--	--	.06	--	--	--	--
20/07E-06G01	77-08-15	173	--	--	--	5.3	--	--	--	--
20/07E-08R02	77-08-15	--	--	--	--	1.2	--	--	--	--
20/07E-18F01	77-08-15	137	--	--	--	.04	--	--	--	--
20/07E-19G02	77-08-15	94	--	--	--	1.1	--	--	--	--
20/07E-30F01	77-08-15	93	--	--	--	1.2	--	--	--	--
20/07E-31D01	63-10-03	208	--	.30	--	--	1700	--	--	--
20/10E-24C01	71-10-21	73	--	--	.05	--	1200	--	100	--
21/02E-01L01	61-03-03	90	--	.10	--	--	480	--	--	--
21/04E-01M01	63-03-30	130	--	.30	--	--	110	--	--	--
21/04E-01Q01	63-01-25	142	--	.10	--	--	1500	--	300	--
21/04E-05Q02	59-12-18	96	--	.20	--	--	4400	--	--	--
21/04E-07Q02	70-10-22	120	--	1.2	--	--	30	--	100	--
21/04E-20L02	81-06-17	105	--	--	--	.12	--	10	--	20
21/04E-20P02	81-06-16	128	--	--	--	.02	--	70	--	50
21/04E-25Q01	81-08-21	107	--	--	--	1.2	--	<10	--	<1
21/04E-29C03	48-12-00	--	--	.00	--	--	100	--	--	--
21/04E-29C05	50-02-13	--	--	.00	--	--	--	--	--	--
21/05E-03B02	81-06-16	116	--	--	--	.01	--	<10	--	30
21/05E-03K03	81-06-17	79	--	--	--	.02	--	160	--	50
21/05E-10N02	63-10-03	292	--	.10	--	--	740	--	--	--
21/05E-14D01	63-10-03	256	--	.40	--	--	6400	--	--	--
21/05E-14E01	63-10-03	91	--	.30	--	--	60	--	--	--
21/05E-18R01	70-11-16	123	--	4.9	--	--	370	--	<20	--
21/05E-29E01	81-08-21	79	--	--	--	.60	--	<10	--	<1
21/06E-04R05	81-07-09	81	--	--	--	.79	--	<10	--	<1
21/06E-27P01	63-10-03	10832	--	37	--	--	9500	--	--	--
21/06E-33C02	77-08-03	--	--	--	--	.01	--	--	--	--
21/06E-35P02	77-08-16	274	--	--	--	.18	--	--	--	--
21/07E-05H01	72-05-16	49	--	--	1.2	--	950	--	<20	--
21/07E-10F02S	63-01-25	56	--	2.5	--	--	10	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KING						
21/07E-19Q01S	47 17 18	121 57 46	01	63-01-25	--	--	62	7.1	8.5	--
21/07E-30N01S	47 16 26	121 59 23	01	63-03-30	--	--	54	6.8	7.0	--
22/02E-12Q01	47 24 23	122 29 15	01	81-09-03	575	330.00	182	8.3	15.4	<1
22/03E-07J01	47 24 29	122 27 49	01	59-03-24	163	392.00	128	7.2	9.5	--
				59-11-03	163	--	124	7.3	--	--
22/03E-16E01	47 23 59	122 25 58	01	59-12-16	462	--	545	7.6	12.0	--
22/03E-21E01	47 23 01	122 26 10	01	81-09-03	475	120.00	292	8.0	12.6	<1
22/04E-17Q04	47 23 16	122 19 09	01	63-10-04	1001	--	1160	7.3	12.0	--
22/04E-35R01	47 21 23	122 15 22	01	81-06-17	73	50.00	145	7.5	12.6	<1
22/05E-06H01S	47 25 32	122 12 24	01	51-06-08	--	--	161	7.2	--	--
22/05E-06N01	47 24 58	122 13 34	01	71-12-11	208	--	195	8.0	9.6	--
22/05E-16Q02	47 23 19	122 10 19	01	81-06-17	60	435.00	158	7.0	12.0	<1
22/05E-17R01	47 23 21	122 11 12	01	63-10-04	380	485.00	200	7.4	10.5	--
22/05E-21R02	47 23 11	122 10 14	01	81-07-09	268	550.00	240	7.7	12.8	<1
22/05E-36M01	47 20 59	122 07 04	01	63-03-30	106	--	112	7.6	10.5	--
22/06E-13A02	47 26 34	121 58 29	01	63-01-23	118	--	119	7.5	9.0	--
22/06E-26L01S	47 21 43	122 00 30	01	63-10-04	--	545.00	87	7.3	9.5	--
22/06E-26P01	47 21 34	122 00 43	01	72-05-16	50	560.00	80	8.2	7.4	--
22/06E-33J04	47 20 53	122 02 16	01	81-07-09	160	530.00	112	7.0	9.8	<1
22/10E-08M01	47 24 07	121 33 56	01	73-07-23	--	--	26	7.0	--	--
22/11E-08D01	47 24 50	121 26 30	01	65-05-26	55	--	33	7.0	3.8	--
23/03E-29Q01S	47 26 59	122 26 45	01	61-03-03	--	--	158	7.3	8.5	--
23/03E-31Q01	47 26 05	122 27 56	01	81-09-03	670	405.00	310	8.2	12.6	<1
23/04E-04A01	47 30 56	122 17 30	01	54-04-19	720	15.00	1600	7.9	13.5	--
23/04E-04K01	47 30 28	122 17 57	01	56-03-09	22	--	599	6.7	9.5	--
23/04E-27C03	47 27 32	122 17 00	01	63-10-04	356	--	159	7.8	--	--
23/04E-28H01	47 25 24	122 17 45	01	54-05-07	185	--	152	6.9	11.0	--
23/04E-34H01	47 26 21	122 16 20	01	60-06-23	115	410.00	133	7.4	18.0	--
23/05E-09E01	47 29 48	122 10 50	01	51-06-04	424	--	--	8.1	--	--
23/05E-17F01	47 28 54	122 11 58	01	51-06-08	82	--	161	7.3	--	--
				71-01-25	82	--	117	6.7	9.0	--
23/05E-17F02	47 29 01	122 11 51	01	60-06-23	80	30.00	110	6.9	13.0	--
23/08E-15P02	47 28 20	121 46 11	01	63-01-25	12	--	56	6.4	--	--
23/08E-23R02	47 28 08	121 44 40	01	72-05-17	47	515.00	59	7.4	7.6	--
24/04E-25R01	47 31 58	122 13 18	01	58-04-11	154	350.00	156	7.7	16.5	--
24/05E-23E01	47 33 21	122 08 19	01	58-04-11	385	980.00	307	8.0	13.0	--
24/05E-24P02	47 32 54	122 06 04	01	59-11-24	265	1150.00	222	7.7	9.0	--
				60-06-17	265	--	225	7.6	12.0	--
24/05E-27R01	47 31 04	122 08 43	01	52-04-28	--	--	438	7.7	10.0	--
24/05E-32R01	47 49 23	122 12 26	01	60-10-06	72	50.00	192	8.5	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				KING						
21/07E-19Q01S	63-01-25	23	0	6.5	1.7	3.2	23	.3	.1	30
21/07E-30N01S	63-03-30	20	0	6.5	.9	2.9	24	.3	.2	26
22/02E-12Q01	81-09-03	69	0	19	5.2	7.3	18	.4	2.2	--
22/03E-07J01	59-03-24	52	0	7.0	8.5	5.3	17	.3	1.6	64
	59-11-03	50	0	7.0	7.9	5.2	18	.3	1.3	64
22/03E-16E01	59-12-16	191	0	45	19	43	32	1.4	7.4	346
22/03E-21E01	81-09-03	88	0	24	6.8	25	37	1.2	3.2	--
22/04E-17D04	63-10-04	179	31	47	15	160	66	5.4	2.0	180
22/04E-35B01	81-06-17	60	0	14	6.2	6.8	19	.4	1.2	--
22/05E-06H01S	51-06-08	66	2	13	8.2	5.3	14	.3	4.0	78
22/05E-06N01	71-12-11	82	0	21	7.2	6.9	15	.3	1.7	121
22/05E-16Q02	81-06-17	62	4	12	7.9	5.5	16	.3	1.3	--
22/05E-17R01	63-10-04	97	5	15	12	6.7	14	.3	3.0	100
22/05E-21B02	81-07-09	101	0	25	9.4	6.9	13	.3	2.7	--
22/05E-36N01	63-03-30	42	0	11	3.5	6.3	24	.4	2.0	60
22/06E-13A02	63-01-23	51	0	12	5.0	5.1	18	.3	.8	71
22/06E-26L01S	63-10-04	36	0	11	2.0	3.3	17	.3	.5	44
22/06E-26P01	72-05-16	32	0	9.8	1.9	4.6	23	.4	.4	39
22/06E-33J04	81-07-09	42	3	12	3.0	4.9	20	.3	.7	--
22/10E-08M01	73-07-23	8	0	2.7	.3	1.7	31	.3	.3	11
22/11E-08D01	65-05-26	0	0	3.2	.4	3.5	43	.5	.5	13
23/03E-29Q01S	61-03-03	60	24	10	8.6	6.0	17	.3	1.2	44
23/03E-31Q01	81-09-03	71	0	19	5.7	38	52	2.0	4.8	--
23/04E-04A01	54-04-19	118	0	16	19	314	84	13	8.4	284
23/04E-04K01	55-03-09	152	110	--	--	--	--	--	--	46
23/04E-27C03	63-10-04	45	7	14	7.3	6.1	16	.3	3.0	71
23/04E-28H01	54-05-07	60	12	8.9	9.1	5.7	17	.3	2.0	58
23/04E-34H01	60-06-23	52	4	8.0	7.8	5.2	17	.3	2.0	59
23/05E-09E01	51-06-04	61	0	14	6.3	13	--	.7	--	92
23/05E-17F01	51-06-08	64	5	12	8.2	5.5	15	.3	3.0	72
	71-01-25	46	6	13	3.3	4.3	17	.3	.6	49
23/05E-17F02	60-06-23	44	4	12	3.5	4.0	16	.3	.5	49
23/08E-15P02	63-01-25	24	0	7.5	1.2	1.8	14	.2	.1	29
23/08E-23R02	72-05-17	23	0	7.8	.9	2.3	18	.2	.1	30
24/04E-25R01	58-04-11	66	0	10	10	6.0	15	.3	4.2	82
24/05E-23E01	58-04-11	106	0	32	6.3	18	25	.8	9.6	171
24/05E-24R02	59-11-24	77	0	23	4.7	15	29	.8	3.1	120
	60-06-17	79	0	24	4.7	17	31	.9	3.3	122
24/05E-27R01	52-04-28	220	27	65	14	13	11	.4	1.1	235
24/05E-32R01	60-10-06	73	0	17	7.4	13	27	.7	3.8	113

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				KING						
21/07E-19Q01S	63-01-25	0	--	25	--	2.6	1.5	.2	13	--
21/07E-30N01S	63-03-30	0	--	21	--	2.6	1.2	.2	12	--
22/02E-12Q01	81-09-03	--	--	--	83	<5.0	2.1	.4	33	--
22/03E-07J01	59-03-24	0	--	52	--	7.3	3.0	.0	33	95
	59-11-03	0	--	52	--	7.4	3.2	.3	34	93
22/03E-16E01	59-12-16	0	--	284	--	.3	8.8	.3	41	346
22/03E-21E01	81-09-03	--	--	--	140	<5.0	4.0	.4	27	--
22/04E-17D04	63-10-04	0	--	148	--	.2	280	.0	21	--
22/04E-35R01	81-06-17	--	--	--	72	.3	2.0	.1	47	--
22/05E-06H01S	51-06-08	--	--	64	--	9.6	4.2	.4	29	--
22/05E-06N01	71-12-11	0	--	99	--	5.3	3.0	.2	35	146
22/05E-16Q02	81-06-17	--	--	--	58	7.7	3.5	.1	31	--
22/05E-17R01	63-10-04	0	--	82	--	14	4.5	.1	37	--
22/05E-21B02	81-07-09	--	--	--	110	.8	2.3	.1	33	--
22/05E-36M01	63-03-30	0	--	49	--	6.6	1.8	.1	23	--
22/06E-13A02	63-01-23	0	--	58	--	3.0	1.0	.1	20	--
22/06E-26L01S	63-10-04	0	--	36	--	.8	2.2	.1	13	--
22/06E-26P01	72-05-16	0	--	32	--	4.3	1.7	.0	17	87
22/06E-33J04	81-07-09	--	--	--	39	8.0	1.6	.1	20	--
22/10E-08M01	73-07-23	0	--	9.0	--	2.3	1.4	<.1	8.1	23
22/11E-08D01	65-05-26	0	--	11	--	4.8	1.0	.1	5.9	27
23/03E-29Q01S	61-03-03	0	--	36	--	20	6.0	.1	28	116
23/03E-31Q01	81-09-03	--	--	--	160	<5.0	2.6	.4	41	--
23/04E-04A01	54-04-19	0	--	233	--	1.9	348	.1	25	872
23/04E-04K01	55-03-09	0	--	38	--	87	83	--	--	--
23/04E-27C03	63-10-04	0	--	58	--	16	4.8	.1	38	--
23/04E-28H01	54-05-07	0	--	48	--	12	5.1	.1	37	110
23/04E-34H01	60-06-23	0	--	48	--	7.2	4.2	.1	32	95
23/05E-09E01	51-06-04	--	--	75	--	4.6	6.5	<.1	30	--
23/05E-17F01	51-06-08	--	--	59	--	9.8	4.0	.2	28	--
	71-01-25	0	--	40	--	9.2	3.5	.1	13	74
23/05E-17F02	60-06-23	0	--	40	--	10	2.2	.1	14	74
23/08E-15P02	63-01-25	0	--	24	--	1.8	1.0	.1	9.5	--
23/08E-23P02	72-05-17	0	--	25	--	2.1	1.0	.0	13	67
24/04E-25R01	58-04-11	0	--	67	--	12	2.5	.0	23	104
24/05E-23E01	59-04-11	0	--	140	--	16	3.0	.1	48	196
24/05E-24R02	59-11-24	0	--	98	--	13	2.5	.1	59	193
	60-06-17	0	--	100	--	14	3.5	.2	54	191
24/05E-27R01	52-04-28	0	--	193	--	44	2.9	.1	30	289
24/05E-32R01	60-10-06	5	--	101	--	1.6	1.8	.1	36	143

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				KING						
21/07E-19Q01S	63-01-25	44	--	1.4	--	--	<10	--	--	--
21/07E-30N01S	63-03-30	39	--	1.3	--	--	<10	--	--	--
22/02E-12Q01	81-09-03	124	--	--	--	<.10	--	43	--	45
22/03E-07J01	59-03-24	97	--	.20	--	--	10	--	--	--
	59-11-03	98	--	.00	--	--	40	--	--	--
22/03E-16E01	59-12-16	335	--	.50	--	--	1300	--	--	--
22/03E-21E01	81-09-03	140	--	--	--	<.10	--	73	--	85
22/04E-17Q04	63-10-04	614	--	.00	--	--	370	--	--	--
22/04E-35R01	81-06-17	121	--	--	--	.02	--	250	--	170
22/05E-06H01S	51-06-08	112	--	4.0	--	--	40	--	--	--
22/05E-06N01	71-12-11	140	--	--	.01	--	40	--	130	--
22/05E-16Q02	81-06-17	104	--	--	--	.07	--	240	--	100
22/05E-17R01	63-10-04	141	--	.20	--	--	1300	--	--	--
22/05E-21R02	81-07-09	147	--	--	--	.76	--	70	--	510
22/05E-36M01	63-03-30	84	--	.10	--	--	120	--	--	--
22/06E-13A02	63-01-23	82	--	.10	--	--	290	--	--	--
22/06E-26L01S	63-10-04	55	--	.90	--	--	40	--	--	--
22/06E-26P01	72-05-16	59	--	--	.43	--	2800	--	<20	--
22/06E-33J04	81-07-09	74	--	--	--	.08	--	30	--	5
22/10E-08M01	73-07-23	22	--	--	--	.09	110	--	<10	--
22/11E-08Q01	65-05-26	26	--	.10	--	--	540	--	100	--
23/03E-29Q01S	61-03-03	102	--	10	--	--	10	--	--	--
23/03E-31Q01	81-09-03	213	--	--	--	<.10	--	39	--	76
23/04E-04A01	54-04-19	872	--	1.0	--	--	140	--	--	--
23/04E-04K01	55-03-09	--	--	--	--	--	860	--	--	--
23/04E-27C03	63-10-04	124	--	.30	--	--	1100	--	200	--
23/04E-28H01	54-05-07	108	--	8.0	--	--	2300	30	<10	--
23/04E-34H01	60-06-23	96	--	3.7	--	--	20	--	--	--
23/05E-09E01	51-06-04	120	--	--	--	--	80	--	<50	--
23/05E-17F01	51-06-08	106	--	4.2	--	--	20	--	--	--
	71-01-25	71	--	1.7	--	--	30	--	<20	--
23/05E-17F02	60-06-23	70	--	.80	--	--	<10	--	--	--
23/08E-15P02	63-01-25	37	--	.10	--	--	5000	--	<50	--
23/08E-23B02	72-05-17	42	--	--	.27	--	70	--	<20	--
24/04E-25R01	58-04-11	108	--	.10	--	--	410	--	--	--
24/05E-23E01	58-04-11	217	--	.00	--	--	60	--	--	--
24/05E-24P02	59-11-24	179	--	.10	--	--	420	--	--	--
	60-06-17	181	--	.10	--	--	70	--	--	--
24/05E-27R01	52-04-28	296	--	1.0	--	--	890	--	--	--
24/05E-32P01	60-10-06	146	--	.00	--	--	160	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KING						
24/06E-04N01	47 30 17	122 03 10	01	58-04-03	300	450.00	106	7.2	9.0	--
24/06E-05A01	47 36 08	122 04 47	01	81-07-07	87	40.00	165	7.8	9.7	<1
24/06E-09J01	47 34 51	122 02 05	01	60-10-06	210	438.00	85	7.3	--	--
24/06E-12R01	47 34 30	122 58 20	01	81-07-07	108	450.00	144	7.4	9.2	<1
24/06E-18E01	47 34 13	122 05 41	01	63-03-30	40	--	366	7.8	13.0	--
24/06E-19D01	47 32 52	122 05 03	01	59-03-24	328	708.00	236	7.5	17.0	--
24/06E-21J01	47 32 58	122 02 21	01	59-12-01	150	50.00	297	7.7	10.0	--
24/06E-27M01	47 32 14	122 02 00	01	71-04-20	107	80.00	143	8.6	11.9	--
24/06E-27Q01	47 31 56	122 01 25	01	51-08-20	45	--	162	8.0	10.0	--
24/06E-28J01	47 32 11	122 02 08	01	51-08-20	54	80.00	105	7.0	--	--
24/07E-04M01	47 35 30	121 55 28	01	60-10-06	24	85.00	119	6.0	10.5	--
24/07E-08J01	47 34 40	121 55 52	01	60-10-06	130	100.00	221	7.8	10.5	--
24/07E-10C01	47 35 05	121 53 56	01	51-08-24	52	79.00	120	7.2	--	--
24/07E-11L01S	47 34 36	121 52 33	01	51-08-20	--	--	175	7.7	--	--
24/07E-34N01	47 31 01	121 54 13	01	71-04-20	432	990.00	95	7.9	8.7	--
25/03E-14J01	47 39 08	122 22 47	01	60-02-05	545	--	51	7.3	10.0	--
				60-10-26	545	15.00	323	7.7	10.5	--
25/04E-21C01	47 33 33	122 18 07	01	63-04-03	775	--	1140	8.2	11.0	--
25/04E-30P01	47 37 10	122 20 06	01	55-03-09	555	90.00	303	9.2	--	--
25/05E-01P01	47 40 32	122 05 50	01	60-10-06	45	45.00	136	7.1	11.0	--
				61-05-23	45	--	202	6.8	11.0	--
25/05E-12C01	47 40 27	122 06 43	01	59-03-24	56	47.00	116	7.3	4.5	--
25/05E-21Q01	47 38 00	122 10 16	01	51-08-24	100	425.00	102	7.2	--	--
25/05E-23C03	47 38 41	122 08 03	01	58-04-16	88	370.00	90	7.4	10.5	--
25/05E-24R01	47 38 01	122 06 01	01	58-04-09	75	160.00	126	7.3	12.0	--
25/06E-09D01	47 40 29	122 03 20	01	71-04-20	377	395.00	92	8.0	9.0	--
25/06E-10A01	47 40 28	122 00 45	01	81-07-07	211	580.00	207	7.9	11.6	<1
25/06E-18F01	47 39 23	122 05 20	01	71-01-25	81	--	239	7.4	10.1	--
25/06E-19A02	47 38 41	122 04 44	01	58-04-09	200	--	202	8.0	12.0	--
25/06E-19H02	47 38 29	122 04 48	01	60-10-06	108	50.00	211	7.6	11.0	--
25/07E-06R01	47 40 35	121 57 01	01	60-10-06	630	63.00	269	8.0	12.0	--
25/07E-18C01	47 39 22	121 57 49	01	61-04-24	101	190.00	116	7.5	12.0	--
25/11E-04R02	47 41 20	121 23 28	01	68-09-09	105	--	90	7.7	8.0	--
25/11E-16B01	47 40 12	121 23 34	01	73-06-19	--	--	87	7.4	--	--
26/03E-01D03	47 46 42	122 23 22	01	54-02-25	94	--	222	7.4	9.5	--
26/03E-02C01	47 40 22	122 23 53	01	54-02-25	101	--	172	7.5	12.0	--
26/04E-05E01	47 46 39	122 19 06	01	54-05-14	565	430.00	285	7.8	10.0	--
26/04E-16K01	47 44 15	122 17 44	01	71-04-20	125	250.00	250	7.8	10.3	--
26/04E-16Q01	47 44 14	122 17 45	01	54-02-23	287	250.00	137	7.5	10.0	--
26/04E-30K01	47 42 34	122 20 35	01	54-02-25	260	--	145	7.2	10.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				KING						
24/06E-04N01	58-04-03	44	0	10	4.6	4.2	16	.3	3.0	59
24/06E-06A01	81-07-07	77	0	16	8.9	6.0	14	.3	2.0	--
24/06E-09J01	60-10-06	33	0	7.0	3.8	3.9	20	.3	.8	44
24/06E-12R01	81-07-07	61	6	12	7.5	5.1	15	.3	.9	--
24/06E-18E01	63-03-30	46	0	14	2.7	70	75	4.7	4.0	220
24/06E-19D01	59-03-24	106	22	30	7.5	7.1	12	.3	3.2	102
24/06E-21J01	59-12-01	76	0	20	6.4	30	44	1.5	6.6	150
24/06E-27M01	71-04-20	51	0	14	3.8	10	29	.6	1.5	69
24/06E-27R01	51-08-20	59	0	22	3.5	7.4	18	.4	1.8	94
24/06E-28J01	51-08-20	39	0	10	3.3	5.4	22	.4	1.6	47
24/07E-04M01	60-10-06	46	0	14	2.7	6.2	22	.4	2.0	58
24/07E-08J01	60-10-06	76	0	23	4.6	17	31	.9	4.5	129
24/07E-10C01	51-08-24	48	0	12	4.3	6.3	21	.4	2.4	69
24/07E-11L01S	51-08-20	78	0	20	6.8	6.6	15	.3	3.4	104
24/07E-34N01	71-04-20	38	0	9.2	3.6	4.4	20	.3	1.3	50
25/03E-14J01	60-02-05	19	0	6.0	.9	1.6	16	.2	.2	23
	60-10-26	70	0	17	6.6	43	55	2.3	4.4	176
25/04E-21C01	63-04-03	128	0	30	13	210	76	8.3	10	480
25/04E-30R01	55-03-09	102	0	--	--	--	--	--	--	105
25/05E-01R01	60-10-06	47	0	11	4.7	10	31	.7	1.6	78
	61-05-23	78	0	18	8.1	11	23	.6	2.0	102
25/05E-12C01	59-03-24	44	3	10	4.7	4.9	19	.3	1.1	50
25/05E-21Q01	51-08-24	41	1	6.3	6.2	3.8	16	.3	1.4	49
25/05E-23C03	58-04-16	36	0	6.4	4.9	3.9	18	.3	2.0	45
25/05E-24R01	58-04-09	50	0	8.8	6.8	5.7	19	.4	2.0	61
25/06E-09D01	71-04-20	36	0	8.9	3.4	5.3	24	.4	.8	52
25/06E-10A01	81-07-07	--	--	--	--	--	--	--	--	--
25/06E-18F01	71-01-25	104	24	20	13	7.4	13	.3	1.8	98
25/06E-19A02	58-04-09	59	0	18	3.4	22	43	1.3	3.1	124
25/06E-19H02	60-10-06	91	0	22	8.8	9.2	18	.4	1.6	128
25/07E-06R01	60-10-06	93	0	22	9.2	22	33	1.0	4.2	164
25/07E-18C01	61-04-24	50	0	7.5	7.6	4.2	15	.3	1.1	64
25/11E-04R02	68-09-09	30	0	9.1	1.8	6.0	29	.5	2.0	37
25/11E-16R01	73-06-19	26	0	8.3	1.4	6.3	33	.6	1.0	40
26/03E-01D03	54-02-25	86	25	13	13	7.8	16	.4	2.7	74
26/03E-02C01	54-02-25	69	0	18	5.9	7.3	18	.4	2.5	92
26/04E-05E01	54-05-14	106	0	21	13	19	27	.8	5.4	170
26/04E-16K01	71-04-20	108	11	22	13	8.8	15	.4	3.3	118
26/04E-16Q01	54-02-23	51	2	18	1.5	6.1	20	.4	2.2	60
26/04E-30K01	54-02-25	56	0	19	2.0	6.2	19	.4	2.2	71

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				KING						
24/04E-04N01	58-04-03	0	--	48	--	.5	1.8	.0	34	96
24/04E-06A01	81-07-07	--	--	--	92	.5	1.6	.1	42	--
24/04E-09J01	60-10-06	0	--	36	--	2.2	2.8	.1	25	58
24/04E-12R01	81-07-07	--	--	--	55	11	2.2	.0	26	--
24/04E-18E01	63-03-30	0	--	180	--	5.4	10	.3	26	--
24/06E-19Q01	59-03-24	0	--	84	--	30	3.0	.1	49	182
24/06E-21J01	59-12-01	0	--	123	--	2.6	18	.2	39	196
24/06E-27M01	71-04-20	0	--	57	--	6.0	5.3	.0	26	86
24/06E-27Q01	51-08-20	0	--	77	--	8.6	2.4	.1	17	109
24/06E-28J01	51-08-20	0	--	39	--	6.3	3.4	.2	22	84
24/07E-04M01	60-10-06	0	--	48	--	7.0	3.0	.1	19	88
24/07E-08J01	60-10-06	0	--	106	--	3.6	5.5	.2	30	152
24/07E-10C01	51-08-24	0	--	57	--	1.0	4.8	2.0	19	104
24/07E-11L01S	51-08-20	0	--	85	--	5.4	2.5	.2	47	143
24/07E-34N01	71-04-20	--	--	41	--	3.8	1.9	.1	25	73
25/03E-14J01	60-02-05	0	--	19	--	1.9	2.2	.0	9.6	36
	60-10-26	0	--	144	--	.2	20	.1	42	219
25/04E-21C01	63-04-03	0	--	394	--	2.4	150	.2	42	712
25/04E-30P01	55-03-09	32	--	139	--	16	9.0	--	--	--
25/05E-01R01	60-10-06	0	--	64	--	2.8	4.0	.1	22	100
	61-05-23	0	--	84	--	7.6	9.0	.1	21	136
25/05E-12C01	59-03-24	0	--	41	--	5.4	3.8	.1	23	82
25/05E-21D01	51-08-24	0	--	40	--	6.3	4.1	.2	33	88
25/05E-23C03	58-04-16	0	--	37	--	4.7	2.0	.0	24	72
25/05E-24R01	59-04-09	0	--	50	--	7.7	4.0	.0	19	82
25/06E-09D01	71-04-20	--	--	43	--	1.5	2.0	.1	26	70
25/06E-10A01	81-07-07	--	--	--	84	5.8	1.8	.1	21	--
25/06E-18F01	71-01-25	0	--	80	--	24	9.0	.1	30	159
25/06E-19A02	58-04-09	0	--	102	--	1.4	3.0	.0	18	131
25/06E-19H02	60-10-06	0	--	105	--	2.4	4.0	.1	29	141
25/07E-06R01	60-10-06	0	--	135	--	7.6	3.0	.2	27	176
25/07E-18C01	61-04-24	0	--	52	--	5.4	1.8	.1	21	88
25/11E-04R02	68-09-09	0	--	30	--	3.4	8.0	.2	7.4	57
25/11E-16R01	73-06-19	0	--	33	--	2.9	7.1	.1	9.6	55
26/03E-01D03	54-02-25	0	--	61	--	20	10	.2	31	157
26/03E-02C01	54-02-25	0	--	75	--	4.1	4.5	.2	48	124
26/04E-05E01	54-05-14	0	--	139	--	3.7	3.8	.2	40	187
26/04E-16K01	71-04-20	--	--	97	--	22	5.8	.1	40	180
26/04E-16Q01	54-02-23	0	--	49	--	9.9	3.5	.2	34	104
26/04E-30K01	54-02-25	0	--	58	--	6.2	4.0	.2	36	114

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				KING						
24/06E-04N01	58-04-03	87	--	3.3	--	--	1000	--	<50	--
24/06E-06A01	81-07-07	133	--	--	--	.02	--	110	--	140
24/06E-09J01	60-10-06	67	--	.70	--	--	200	--	--	--
24/06E-12R01	81-07-07	98	--	--	--	2.0	--	<10	--	2
24/06E-18F01	63-03-30	241	--	1.8	--	--	120	--	--	--
24/06E-19Q01	59-03-24	180	--	.10	--	--	30	--	--	--
24/06E-21J01	59-12-01	197	--	.20	--	--	480	--	--	--
24/06E-27M01	71-04-20	101	--	--	.60	--	40	--	<20	--
24/06E-27Q01	51-08-20	109	--	.10	--	--	70	--	--	--
24/06E-28J01	51-08-20	75	--	3.5	--	--	10	--	--	--
24/07E-04M01	60-10-06	93	--	2.6	--	--	230	--	--	--
24/07E-08J01	60-10-06	152	--	.30	--	--	110	--	--	--
24/07E-10C01	51-08-24	86	--	2.5	--	--	15000	--	--	--
24/07E-11L01S	51-08-20	143	--	.20	--	--	1600	--	--	--
24/07E-34N01	71-04-20	74	--	--	.50	--	40	--	50	--
25/03E-14J01	60-02-05	34	--	.30	--	--	80	--	--	--
	60-10-26	220	--	.30	--	--	400	--	--	--
25/04E-21C01	63-04-03	694	--	.30	--	--	--	--	--	--
25/04E-30R01	55-03-09	--	--	--	--	--	110	--	--	--
25/05E-01R01	60-10-06	95	--	.50	--	--	4600	--	--	--
	61-05-23	127	--	.40	--	--	1100	--	--	--
25/05E-12C01	59-03-24	78	--	5.6	--	--	60	--	--	--
25/05E-21Q01	51-08-24	85	--	.90	--	--	20	--	--	--
25/05E-23C03	58-04-16	70	--	.50	--	--	90	--	--	--
25/05E-24R01	58-04-09	84	--	.40	--	--	5800	--	<50	--
25/06E-09D01	71-04-20	74	--	--	.20	--	320	--	100	--
25/06E-10A01	81-07-07	--	--	--	--	.04	--	--	--	--
25/06E-18F01	71-01-25	154	--	2.1	--	--	330	--	50	--
25/06E-19A02	58-04-09	130	--	1.8	--	--	780	--	<50	--
25/06E-19H02	60-10-06	140	--	1.0	--	--	340	--	--	--
25/07E-06R01	60-10-06	176	--	.00	--	--	1100	--	--	--
25/07E-18C01	61-04-24	80	--	.10	--	--	100	--	--	--
25/11E-04R02	6A-09-09	56	--	.10	--	--	1200	--	<50	--
25/11E-16R01	73-06-19	57	--	--	--	.01	890	--	<10	--
26/03E-01D03	54-02-25	134	--	13	--	--	<10	--	--	--
26/03E-02C01	54-02-25	136	--	1.9	--	--	180	--	--	--
26/04E-05E01	54-05-14	190	--	4.7	--	--	930	--	--	--
26/04E-16K01	71-04-20	173	--	--	.80	--	100	--	50	--
26/04E-16Q01	54-02-23	105	--	1.2	--	--	<10	--	--	--
26/04E-30K01	54-02-25	111	--	1.8	--	--	20	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KING						
26/05E-05E01	47 31 10	122 12 17	01	51-08-24	224	245.00	201	7.2	--	--
26/05E-15R01	47 44 03	122 08 34	01	63-10-01	65	60.00	141	6.8	11.5	--
26/05E-23D01	47 43 13	122 07 40	01	60-06-22	20	--	124	7.3	15.5	--
				60-10-05	20	--	121	6.4	11.5	--
				61-04-24	20	--	159	7.8	11.0	--
26/06E-13D01	47 44 47	121 59 14	01	60-10-06	215	45.00	290	8.1	10.0	--
26/06E-19L01	47 43 28	122 05 27	01	63-10-01	236	390.00	100	7.4	13.0	--
26/06E-19Q03	47 43 09	122 45 08	01	81-07-07	50	125.00	145	8.0	10.4	<1
26/06E-20Q01	47 43 09	122 03 49	01	63-10-01	267	190.00	158	7.6	12.0	--
26/06E-30Q01	47 42 15	122 05 10	01	61-04-24	53	95.00	199	8.1	10.0	--
26/06E-31F01	47 41 50	122 05 27	01	81-07-07	300	75.00	175	8.0	11.3	<1
26/06E-31L01	47 41 38	122 05 33	01	60-10-06	353	100.00	187	8.1	9.5	--
26/11E-21E01	47 43 43	121 24 22	01	70-10-27	107	--	183	7.6	--	--
				73-06-19	107	--	188	7.1	--	--
26/11E-24B01	47 44 06	121 19 52	01	73-04-17	--	--	66	7.2	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
26/05E-05E01	51-08-24	87	0	21	8.4	8.6	17	.4	4.0	128
26/05E-15R01	63-10-01	58	8	10	7.9	5.0	16	.3	1.0	61
26/05E-23D01	60-06-22	49	11	11	5.2	4.1	15	.3	1.2	46
	60-10-05	44	18	9.0	5.2	4.2	17	.3	1.5	32
	61-04-24	47	0	13	3.6	16	40	1.0	3.7	97
26/06E-13D01	60-10-06	94	0	24	5.8	32	45	1.6	2.2	174
26/06E-19L01	63-10-01	40	0	6.0	6.1	4.5	19	.3	.9	50
26/06E-19Q03	81-07-07	60	3	11	7.8	5.7	17	.3	1.9	--
26/06E-20Q01	63-10-01	69	0	15	7.6	6.9	17	.4	2.0	97
26/06E-30Q01	61-04-24	68	0	16	6.8	16	33	.9	3.4	125
26/06E-31F01	81-07-07	61	0	17	4.6	13	30	.7	3.3	--
26/06E-31L01	60-10-06	66	0	17	5.8	14	30	.8	2.8	117
26/11E-21E01	70-10-27	70	0	21	4.2	9.9	23	.5	2.0	94
	73-06-19	76	0	23	4.4	9.9	22	.5	2.0	100
26/11E-24B01	73-04-17	25	0	6.9	1.8	2.9	19	.3	2.0	35

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				KING						
26/05E-05F01	51-08-24	0	--	105	--	1.7	2.9	.3	47	158
26/05E-15R01	63-10-01	0	--	50	--	8.8	4.5	.1	23	--
26/05E-23Q01	60-06-22	0	--	38	--	13	3.5	.1	9.3	75
	60-10-05	0	--	26	--	15	4.8	.0	20	86
	61-04-24	0	--	80	--	2.8	1.5	.2	30	120
26/06E-13D01	60-10-06	0	--	143	--	2.2	8.8	.0	16	179
26/06E-19L01	63-10-01	0	--	41	--	6.0	2.8	.0	28	--
26/06F-19Q03	81-07-07	--	--	--	57	9.2	2.5	.1	31	--
26/06E-20Q01	63-10-01	0	--	80	--	1.8	1.8	.2	27	--
26/06E-30Q01	61-04-24	0	--	103	--	2.2	2.0	.2	29	140
26/06F-31F01	81-07-07	--	--	--	87	1.0	2.3	.1	32	--
26/06E-31L01	60-10-06	0	--	96	--	1.2	2.5	.1	31	133
26/11E-21E01	70-10-27	0	--	77	--	4.4	7.9	.1	12	108
	73-06-19	0	--	82	--	4.0	8.1	.1	12	106
26/11E-24R01	73-04-17	0	--	29	--	3.3	2.7	<.1	13	47

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
26/05E-05E01	51-08-24	157	--	.70	--	--	30	--	--	--
26/05E-15R01	63-10-01	90	--	4.9	--	--	620	--	<50	--
26/05E-23Q01	60-06-22	70	--	4.9	--	--	1800	--	--	--
	60-10-05	75	--	8.1	--	--	60	--	--	--
	61-04-24	118	--	.40	--	--	130	--	--	--
26/06E-13D01	60-10-06	177	--	.80	--	--	110	--	--	--
26/06E-19L01	63-10-01	79	--	1.1	--	--	250	--	--	--
26/06F-19Q03	81-07-07	104	--	--	--	.18	--	130	--	9
26/06E-20Q01	63-10-01	110	--	.30	--	--	300	--	--	--
26/06E-30Q01	61-04-24	137	--	.20	--	--	110	--	--	--
26/06E-31F01	81-07-07	126	--	--	--	.01	--	80	--	50
26/06E-31L01	60-10-06	132	--	.20	--	--	260	--	--	--
26/11E-21E01	70-10-27	108	--	.50	--	--	--	--	--	--
	73-06-19	114	--	--	--	.04	70	--	440	--
26/11E-24R01	73-04-17	50	--	--	--	.16	390	--	<10	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KITSAP						
22/01E-01M02	47 25 29	122 37 45	01	60-10-04	62	40.00	122	8.1	12.0	--
22/01E-08H01	47 24 34	122 41 40	01	61-03-01	86	305.00	73	7.4	9.0	--
22/01E-12D02	47 25 00	122 37 43	01	60-10-04	353	25.00	151	8.3	10.0	--
22/01E-12R02	47 24 20	122 36 46	01	60-10-04	18	120.00	151	6.3	14.5	--
22/02E-04Q01	47 25 12	122 33 09	01	59-03-24	269	226.00	154	7.5	8.5	--
23/01E-07D01	47 30 08	122 44 02	01	61-03-02	219	470.00	99	8.0	4.5	--
23/01E-10A01	47 30 16	122 39 06	01	61-02-28	184	215.00	124	7.6	10.0	--
23/01E-26H02	47 27 24	122 37 51	01	61-02-28	115	190.00	115	7.2	9.5	--
23/02E-02C03	47 31 07	122 30 48	01	60-10-04	--	--	176	8.1	12.0	--
23/02E-28K03	47 27 11	122 33 18	01	61-03-02	98	--	85	7.3	7.0	--
24/01E-12E02	47 35 17	122 37 24	01	43-02-16	--	260.00	--	7.8	8.9	--
24/01E-23E01	47 33 34	122 38 45	01	46-09-24	2000	--	--	8.2	--	--
24/01E-25M01	47 32 27	122 37 37	01	61-03-03	806	20.00	142	8.4	9.5	--
24/01E-26K01	47 32 25	122 38 12	01	47-08-20	--	17.00	--	8.2	--	--
24/01E-26K03	47 32 25	122 38 22	04	47-08-20	--	--	--	8.1	--	--
24/01E-26K05	47 32 23	122 38 24	01	47-08-20	--	100.00	--	8.2	9.5	--
24/01E-26L01	47 32 17	122 38 28	01	47-08-20	--	90.00	--	8.2	9.2	--
24/01E-26N01	47 32 13	122 38 53	01	60-10-04	197	20.00	137	8.0	8.5	--
24/01E-32E05	47 31 46	122 42 37	01	81-07-16	136	55.00	136	7.1	9.7	<1
24/01E-33J01	47 31 31	122 40 35	01	71-03-29	91	170.00	230	7.7	9.9	--
24/01E-33K02	47 31 24	122 40 53	04	51-07-05	--	45.00	--	8.2	--	--
24/01E-33K03	47 31 24	122 40 56	01	44-11-15	538	--	126	--	--	--
24/01E-33K05	47 31 24	122 40 53	01	59-12-16	587	--	129	8.3	12.0	--
24/01E-33K06	47 31 28	122 40 54	01	44-11-15	562	45.00	137	--	--	--
24/01E-33L01	47 31 31	122 41 16	01	51-07-05	--	25.00	--	8.1	--	--
24/01W-02G01	47 35 59	122 43 14	01	61-02-28	69	390.00	123	6.1	--	--
24/01W-07C01	47 35 34	122 28 49	01	61-02-28	140	500.00	93	7.7	8.5	--
24/01W-29Q01	47 32 21	122 33 16	01	60-10-04	85	525.00	152	7.9	10.5	--
24/01W-35P01	47 31 23	122 41 57	01	60-10-04	87	330.00	74	7.0	9.5	--
24/02E-10B01	47 35 22	122 31 49	01	47-08-17	--	166.00	--	7.2	--	--
24/02E-10R02	47 35 27	122 31 50	01	47-01-23	--	--	--	6.8	--	--
24/02E-15N01	47 33 48	122 32 25	01	48-09-20	305	--	--	7.6	--	--
24/02E-15P01	47 33 47	122 32 13	01	48-09-20	--	63.00	--	7.8	--	--
24/02E-16K01	47 34 10	122 33 09	01	48-09-20	--	25.00	--	7.8	--	--
				52-01-11	136	--	--	7.6	--	--
				59-06-00	136	--	--	7.8	--	--
24/02E-16L01	47 34 12	122 33 29	05	67-03-08	14	--	105	6.3	8.3	--
24/02E-16L02	47 34 10	122 33 26	01	67-03-07	141	--	217	7.2	9.4	--
24/02E-21F02	47 33 26	122 33 27	01	71-03-29	226	290.00	111	8.1	9.7	--
24/02E-33H01	47 31 41	122 32 48	01	61-02-28	134	20.00	168	8.5	10.5	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				KITSAP						
22/01E-01M02	60-10-04	51	0	14	3.8	4.6	16	.3	1.8	70
22/01E-08H01	61-03-01	27	3	6.0	2.9	3.0	20	.3	.0	29
22/01E-12D02	60-10-04	36	0	12	1.5	19	51	1.4	2.6	92
22/01E-12R02	60-10-04	45	7	15	1.8	11	34	.7	.9	46
22/02E-04Q01	59-03-24	63	0	15	6.2	8.4	22	.5	1.5	90
23/01E-07D01	61-03-02	41	0	9.0	4.5	3.7	16	.3	.5	60
23/01E-10A01	61-02-28	54	0	10	7.1	4.3	14	.3	.8	72
23/01E-26H02	61-02-28	49	0	8.0	7.1	3.7	14	.2	1.0	62
23/02E-02C03	60-10-04	74	0	15	8.8	7.8	18	.4	2.1	105
23/02E-28K03	61-03-02	32	3	6.5	3.9	3.6	19	.3	.2	35
24/01E-12E02	43-02-16	91	--	21	9.3	--	--	--	--	--
24/01E-23E01	46-09-24	237	164	67	17	--	--	--	--	89
24/01E-25M01	61-03-03	60	0	18	3.6	5.5	16	.3	1.4	81
24/01E-26K01	47-08-20	61	0	17	4.6	--	--	--	--	79
24/01E-26K03	47-08-20	62	0	17	4.7	--	--	--	--	87
24/01E-26K05	47-08-20	60	0	17	4.2	--	--	--	--	79
24/01E-26L01	47-08-20	60	0	17	4.3	--	--	--	--	76
24/01E-26N01	60-10-04	58	0	18	3.2	5.1	16	.3	1.3	79
24/01E-32E05	81-07-16	57	4	13	6.0	6.0	18	.4	.7	--
24/01E-33J01	71-03-29	89	0	16	12	8.5	16	.4	5.1	137
24/01E-33K02	51-07-05	51	0	12	5.1	--	--	--	--	79
24/01E-33K03	44-11-15	48	0	12	4.4	9.6	30	.6	1.2	69
24/01E-33K05	59-12-16	48	0	15	2.6	6.9	23	.5	1.7	69
24/01E-33K06	44-11-15	50	0	15	3.0	8.3	26	.5	1.6	72
24/01E-33L01	51-07-05	64	0	19	4.0	--	--	--	--	78
24/01W-02G01	61-02-28	43	2	12	3.2	7.1	26	.5	.3	50
24/01W-07C01	61-02-28	41	0	8.0	5.1	3.3	15	.2	.0	56
24/01W-29Q01	60-10-04	61	0	22	1.5	7.9	22	.5	.3	90
24/01W-35P01	60-10-04	29	1	7.0	2.7	2.8	17	.2	.4	34
24/02E-10B01	47-08-17	108	0	20	14	--	--	--	--	159
24/02E-10B02	47-01-23	75	1	14	9.8	--	--	--	--	90
24/02E-15N01	48-09-20	88	0	17	11	--	--	--	--	119
24/02E-15P01	48-09-20	123	0	23	16	--	--	--	--	156
24/02E-16K01	48-09-20	80	0	14	11	--	--	--	--	116
	52-01-11	78	--	13	11	--	--	--	--	--
	59-06-00	75	--	12	11	--	--	--	--	--
24/02E-16L01	67-03-08	30	8	8.0	2.4	7.2	34	.6	.4	27
24/02E-16L02	67-03-07	90	14	13	14	6.3	13	.3	2.1	93
24/02E-21F02	71-03-29	43	0	7.5	5.9	4.7	19	.3	.7	53
24/02E-33H01	61-02-28	47	0	15	2.2	17	43	1.1	2.0	95

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				KITSAP						
22/01E-01M02	60-10-04	0	--	57	--	4.8	1.8	.1	29	92
22/01E-08H01	61-03-01	0	--	24	--	.2	3.0	.0	20	59
22/01E-12D02	60-10-04	1	--	77	--	.8	1.5	.1	38	120
22/01E-12R02	60-10-04	0	--	38	--	15	9.0	.0	18	100
22/02E-04Q01	59-03-24	0	--	74	--	.5	3.0	.1	23	95
23/01E-07D01	61-03-02	0	--	49	--	.4	1.2	.0	25	68
23/01E-10A01	61-02-28	0	--	59	--	1.8	2.0	.1	24	85
23/01E-26H02	61-02-28	0	--	51	--	4.4	2.0	.1	36	96
23/02E-02C03	60-10-04	0	--	86	--	3.6	1.5	.1	33	120
23/02E-28K03	61-03-02	0	--	29	--	2.4	3.8	.1	24	70
24/01E-12E02	43-02-16	--	--	--	--	4.1	5.1	--	22	152
24/01E-23E01	46-09-24	--	--	73	--	48	97	--	50	403
24/01E-25M01	61-03-03	2	--	70	--	1.2	1.2	.0	35	105
24/01E-26K01	47-08-20	--	--	65	--	4.0	3.6	.1	36	118
24/01E-26K03	47-08-20	--	--	71	--	4.0	1.8	.1	38	123
24/01E-26K05	47-08-20	--	--	65	--	4.0	3.6	.2	37	112
24/01E-26L01	47-08-20	--	--	62	--	4.0	3.6	.2	32	116
24/01E-26N01	60-10-04	0	--	65	--	3.6	1.8	.1	36	108
24/01E-32E05	81-07-16	--	--	--	53	1.0	4.1	.0	25	--
24/01E-33J01	71-03-29	--	--	112	--	6.8	2.4	.3	42	142
24/01E-33K02	51-07-05	--	--	65	--	4.4	7.1	.0	31	106
24/01E-33K03	44-11-15	0	--	57	--	6.3	2.0	.1	23	94
24/01E-33K05	59-12-16	2	--	60	--	3.4	1.5	.3	31	101
24/01E-33K06	44-11-15	0	--	59	--	4.6	1.8	.0	30	99
24/01E-33L01	51-07-05	--	--	64	--	.8	.2	.0	30	114
24/01W-02G01	61-02-28	0	--	41	--	6.8	5.2	.1	20	88
24/01W-07C01	61-02-28	0	--	46	--	.2	1.2	.0	21	65
24/01W-29Q01	60-10-04	0	--	74	--	4.4	1.2	.0	17	98
24/01W-35P01	60-10-04	0	--	28	--	.8	2.5	.0	21	60
24/02E-10B01	47-08-17	--	--	130	--	24	5.0	--	35	169
24/02E-10B02	47-01-23	--	--	74	--	11	8.0	--	22	135
24/02E-15N01	48-09-20	--	--	98	--	5.8	2.8	--	28	139
24/02E-15P01	48-09-20	--	--	128	--	7.1	2.5	--	13	154
24/02E-16K01	48-09-20	--	--	95	--	6.3	5.3	--	37	148
	52-01-11	--	--	--	--	3.0	10	--	30	149
	59-06-00	--	--	--	--	3.0	9.0	<.1	34	157
24/02E-16L01	67-03-08	0	--	22	--	9.0	5.0	.1	14	90
24/02E-16L02	67-03-07	0	--	76	--	20	8.0	.1	32	143
24/02E-21F02	71-03-29	--	--	43	--	6.0	3.0	.0	31	62
24/02E-33H01	61-02-28	2	--	81	--	.0	4.8	.1	38	119

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				KITSAP						
22/01E-01M02	60-10-04	94	--	.10	--	--	110	--	--	--
22/01E-08H01	61-03-01	49	--	6.0	--	--	50	--	--	--
22/01E-12D02	60-10-04	123	--	.10	--	--	90	--	--	--
22/01E-12R02	60-10-04	93	--	4.9	--	--	30	--	--	--
22/02E-04J01	59-03-24	102	--	.10	--	--	20	--	--	--
23/01E-07D01	61-03-02	74	--	.10	--	--	10	--	--	--
23/01E-10A01	61-02-28	86	--	.10	--	--	10	--	--	--
23/01E-26M02	61-02-28	93	--	.20	--	--	810	--	--	--
23/02E-02C03	60-10-04	124	--	.10	--	--	50	--	--	--
23/02E-28K03	61-03-02	62	--	4.4	--	--	10	--	--	--
24/01E-12E02	43-02-16	--	--	--	--	--	700	--	--	--
24/01E-23E01	46-09-24	--	--	--	--	--	380	--	--	--
24/01E-25M01	61-03-03	110	--	.10	--	--	40	--	--	--
24/01E-26K01	47-08-20	--	--	.00	--	--	<100	--	--	--
24/01E-26K03	47-08-20	--	--	.00	--	--	<100	--	--	--
24/01E-26K05	47-08-20	--	--	.00	--	--	<100	--	--	--
24/01E-26L01	47-08-20	--	--	.00	--	--	100	--	--	--
24/01E-26N01	60-10-04	108	--	.30	--	--	50	--	--	--
24/01E-32E05	81-07-16	88	--	--	--	.80	--	20	--	6
24/01E-33J01	71-03-29	161	--	--	.30	--	120	--	<20	--
24/01E-33K02	51-07-05	--	--	.00	--	--	140	--	--	--
24/01E-33K03	44-11-15	93	--	.00	--	--	10	--	--	--
24/01E-33K05	59-12-16	100	--	.00	--	--	10	--	--	--
24/01E-33K06	44-11-15	100	--	.00	--	--	--	--	--	--
24/01E-33L01	51-07-05	--	--	.00	--	--	50	--	--	--
24/01W-02G01	61-02-28	79	--	2.0	--	--	160	--	--	--
24/01W-07C01	61-02-28	66	--	.30	--	--	70	--	--	--
24/01W-29J01	60-10-04	99	--	.10	--	--	850	--	--	--
24/01W-35P01	60-10-04	54	--	4.0	--	--	1300	--	--	--
24/02E-10A01	47-08-17	--	--	--	--	--	150	--	<50	--
24/02E-10B02	47-01-23	--	--	1.0	--	--	50	--	<50	--
24/02E-15N01	48-09-20	--	--	.00	--	--	490	--	350	--
24/02E-15P01	48-09-20	--	--	.00	--	--	540	--	600	--
24/02E-16K01	48-09-20	--	--	.00	--	--	430	--	200	--
	52-01-11	--	--	.00	--	--	190	--	200	--
	59-06-00	--	--	.00	--	--	290	--	--	--
24/02E-16L01	67-03-08	59	--	11	--	--	--	--	--	--
24/02E-16L02	67-03-07	141	--	.00	--	--	--	--	--	--
24/02E-21F02	71-03-29	85	--	--	.60	--	50	--	<20	--
24/02E-33H01	61-02-28	130	--	.10	--	--	60	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KITSAP						
25/01E-09G01	47 40 23	122 40 48	01	60-06-03	164	80.00	145	7.7	14.5	--
25/01E-20C01	47 38 53	122 42 04	01	81-07-16	264	180.00	116	7.9	9.3	<1
25/01E-20L02	47 38 25	122 42 09	01	81-08-27	52	105.00	259	6.8	11.6	<1
25/01E-23K01	47 38 03	122 38 02	01	61-02-28	48	--	121	6.8	8.5	--
25/01E-24F02	47 38 38	122 37 18	01	81-07-16	422	250.00	342	7.5	--	<1
25/01W-26D01	47 38 01	122 46 22	01	81-07-14	95	540.00	96	7.1	10.1	<1
25/02E-10K01	47 40 07	122 31 33	01	81-07-14	302	140.00	223	7.5	11.0	--
25/02E-11E01	47 40 27	122 30 55	01	81-07-14	60	290.00	165	7.5	10.6	--
25/02E-17C01	47 39 46	122 34 26	01	49-12-22	--	155.00	--	8.0	--	--
25/02E-17C02	47 39 43	122 34 26	01	49-12-22	264	--	--	8.0	--	--
25/02E-26K03	47 37 37	122 30 26	01	61-02-01	175	120.00	159	7.3	10.0	--
25/02E-34R02	47 36 35	122 31 15	01	59-03-24	250	--	142	7.8	9.5	--
				59-11-02	250	--	122	7.7	--	--
25/02E-35H01	47 36 57	122 30 02	01	46-07-24	30	--	--	7.0	--	--
25/02E-35H03	47 37 00	122 30 05	01	46-05-06	--	10.00	--	7.2	--	--
				60-10-05	813	10.00	264	8.2	11.5	--
25/02E-35M02	47 36 39	122 31 08	01	61-02-27	148	260.00	184	7.4	10.0	--
26/01E-02L05	47 46 12	122 38 28	05	76-08-31	312	80.00	135	7.6	9.4	--
				76-09-01	312	80.00	150	7.6	9.8	--
26/01E-10L01	47 45 22	122 39 43	01	59-03-24	128	--	118	7.4	4.5	--
				59-11-02	128	--	139	7.5	--	--
26/01E-13B01	47 45 05	122 36 44	01	81-07-14	313	355.00	146	8.3	9.6	--
26/01E-13H03	47 44 40	122 36 28	01	61-02-28	148	310.00	101	7.5	9.0	--
26/01E-13K01	47 44 34	122 36 40	01	81-07-16	112	318.00	195	7.3	--	<1
26/01E-32K01	47 41 53	122 41 55	01	47-10-07	--	295.00	--	8.0	--	--
26/01E-32Q02	47 41 32	122 41 48	01	44-03-03	19	--	--	--	--	--
26/01E-34F02	47 42 08	122 39 12	01	71-03-29	74	180.00	160	8.4	9.8	--
26/01E-36P01	47 41 50	122 37 12	01	48-05-20	380	--	--	8.0	--	--
				60-10-05	380	--	274	7.6	11.5	--
26/01E-36P02	47 41 49	122 37 12	02	48-05-20	705	--	--	8.0	--	--
26/01E-36P04	47 41 48	122 37 12	04	48-05-20	1036	--	--	8.3	--	--
26/02E-10Q01	47 45 14	122 31 38	01	61-02-27	260	125.00	146	7.4	9.0	--
26/02E-31B03	47 42 25	122 35 37	01	76-02-25	266	200.00	--	--	9.3	--
26/02E-31D02	47 42 24	122 36 06	01	75-12-10	122	80.00	145	7.2	9.5	--
26/03E-07M01	47 45 22	122 28 21	01	44-06-13	--	110.00	--	8.5	--	--
27/02E-09R02	47 50 32	122 32 27	01	76-05-18	411	380.00	--	--	11.6	--
27/02F-23K01	47 48 57	122 30 14	01	72-04-11	392	--	192	7.8	9.8	--
27/02E-25N01	47 47 49	122 29 39	01	61-02-27	298	5.00	213	8.1	11.0	--
27/02E-26N01	47 47 45	122 30 52	01	59-03-24	175	--	210	7.2	9.0	--
				59-11-02	175	--	217	7.3	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				KITSAP						
25/01E-09G01	60-06-03	60	0	13	6.6	6.3	18	.4	3.0	98
25/01E-20C01	81-07-16	54	0	12	5.9	5.3	17	.3	.8	--
25/01E-20L02	81-08-27	94	0	22	9.6	6.6	13	.3	1.5	--
25/01E-23K01	61-02-28	50	0	10	6.1	4.7	17	.3	.4	65
25/01E-24F02	81-07-16	79	0	18	8.3	19	33	1.0	3.5	--
25/01W-26D01	81-07-14	42	0	8.6	4.9	4.1	17	.3	.4	--
25/02E-10K01	81-07-14	67	0	17	5.9	21	38	1.2	7.0	--
25/02E-11E01	81-07-14	68	0	14	8.0	5.9	15	.3	1.9	--
25/02E-17C01	49-12-22	73	0	21	5.1	--	--	--	--	134
25/02E-17C02	49-12-22	117	0	22	15	--	--	--	--	143
25/02E-26K03	61-02-01	69	0	18	5.8	5.6	15	.3	2.0	91
25/02E-34R02	59-03-24	58	3	11	7.3	6.2	18	.4	1.9	67
	59-11-02	55	0	10	7.3	5.8	18	.3	1.6	67
25/02E-35H01	46-07-24	84	33	17	10	--	--	--	--	62
25/02E-35H03	46-05-06	109	--	19	15	--	--	--	--	--
	60-10-05	99	0	20	12	18	28	.8	2.0	154
25/02E-35M02	61-02-27	77	4	11	12	7.5	17	.4	.6	89
26/01E-02L05	76-08-31	71	0	19	5.6	6.7	17	.4	2.1	96
	76-09-01	68	0	18	5.7	6.8	17	.4	2.1	86
26/01E-10L01	59-03-24	50	9	9.0	6.6	3.5	13	.2	1.1	50
	59-11-02	48	5	8.0	6.9	4.8	17	.3	.7	52
26/01E-13B01	81-07-14	66	0	16	6.3	5.3	14	.3	1.9	--
26/01E-13H03	61-02-28	36	8	8.0	4.0	4.0	19	.3	.4	34
26/01E-13K01	81-07-16	72	26	15	8.3	5.8	15	.3	1.1	--
26/01E-32K01	47-10-07	74	0	22	4.7	--	--	--	--	99
26/01E-32Q02	44-03-03	57	35	11	7.1	--	--	--	--	27
26/01E-34F02	71-03-29	66	0	14	7.5	6.5	17	.4	3.6	93
26/01E-36P01	48-05-20	90	0	24	7.3	--	--	--	--	137
	60-10-05	92	0	28	5.3	20	32	.9	1.9	129
26/01E-36P02	48-05-20	98	0	27	7.4	--	--	--	--	140
26/01E-36P04	48-05-20	73	0	23	3.7	--	--	--	--	137
26/02E-10Q01	61-02-27	58	0	9.0	8.7	6.0	18	.3	2.0	72
26/02E-31B03	76-02-25	80	11	14	11	5.4	12	.3	1.7	84
26/02E-31D02	75-12-10	64	0	10	9.5	4.8	14	.3	1.0	84
26/03E-07M01	44-06-13	94	0	18	12	--	--	--	--	152
27/02E-09R02	76-05-18	102	0	21	12	22	31	1.0	3.8	194
27/02E-23K01	72-04-11	79	0	15	10	8.5	19	.4	1.8	117
27/02E-25N01	61-02-27	73	0	14	9.2	16	31	.8	3.2	126
27/02E-26N01	59-03-24	84	0	17	10	12	23	.6	2.8	128
	59-11-02	80	0	16	9.7	15	28	.7	2.7	132

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				KITSAP						
25/01E-09G01	60-06-03	0	--	72	--	.4	2.5	.1	37	108
25/01E-20C01	81-07-16	--	--	--	58	<1.0	1.1	.0	23	--
25/01E-20L02	81-08-27	--	--	--	100	<5.0	3.8	.1	55	--
25/01E-23K01	61-02-28	0	--	53	--	3.2	2.2	.0	20	81
25/01E-24F02	81-07-16	--	--	--	100	3.0	1.9	.1	43	--
25/01W-26D01	81-07-14	--	--	--	49	<1.0	1.9	.0	25	--
25/02E-10K01	81-07-14	--	--	--	110	<1.0	2.8	.1	36	--
25/02E-11E01	81-07-14	--	--	--	73	<1.0	3.6	.1	36	--
25/02E-17C01	49-12-22	--	--	110	--	.8	3.5	--	26	141
25/02E-17C02	49-12-22	--	--	117	--	3.5	1.0	--	13	130
25/02E-26K03	61-02-01	0	--	75	--	4.0	2.8	.2	35	113
25/02E-34R02	59-03-24	0	--	55	--	6.0	6.0	.3	27	94
	59-11-02	0	--	55	--	6.4	5.8	.1	28	94
25/02E-35H01	46-07-24	--	--	51	--	22	35	--	28	187
25/02E-35H03	46-05-06	106	--	--	--	14	58	--	27	252
	60-10-05	0	--	126	--	6.6	5.2	.1	26	164
25/02E-35M02	61-02-27	0	--	73	--	5.8	6.0	.1	28	114
26/01E-02L05	76-08-31	0	--	79	--	6.6	1.3	.1	22	106
	76-09-01	0	--	71	--	6.6	1.3	.1	22	110
26/01E-10L01	59-03-24	0	--	41	--	4.9	4.2	.1	27	85
	59-11-02	0	--	43	--	5.7	5.5	.1	28	87
26/01E-13B01	81-07-14	--	--	--	66	8.0	3.3	.1	33	--
26/01E-13H03	61-02-28	0	--	28	--	.2	6.2	.0	24	70
26/01E-13K01	81-07-16	--	--	--	46	10	5.9	.0	28	--
26/01E-32K01	47-10-07	--	--	81	--	3.0	1.0	--	23	111
26/01E-32Q02	44-03-03	--	--	22	--	26	10	--	16	--
26/01E-34F02	71-03-29	0	--	76	--	4.3	1.7	.1	36	104
26/01E-36P01	48-05-20	--	--	112	--	.3	13	--	36	162
	60-10-05	0	--	106	--	.4	22	.1	33	182
26/01E-36P02	48-05-20	--	--	115	--	.2	33	--	40	201
26/01E-36P04	48-05-20	--	--	112	--	.0	18	--	31	166
26/02E-10Q01	61-02-27	0	--	59	--	7.0	4.8	.1	35	103
26/02E-31B03	76-02-25	--	--	69	--	14	3.0	.1	28	103
26/02E-31D02	75-12-10	0	--	69	--	5.2	2.7	.1	28	85
26/03E-07M01	44-06-13	--	--	125	--	.4	8.5	--	32	152
27/02E-09R02	76-05-18	--	--	159	--	1.9	2.8	.2	55	229
27/02E-23K01	72-04-11	0	--	96	--	7.4	3.2	.1	36	156
27/02E-25N01	61-02-27	0	--	103	--	.0	5.5	.1	39	149
27/02E-26N01	59-03-24	0	--	105	--	.9	3.5	.2	42	147
	59-11-02	0	--	108	--	.5	5.5	.3	42	150

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				KITSAP						
25/01E-09G01	60-06-03	112	--	.50	--	--	80	--	--	--
25/01E-20C01	81-07-16	84	--	--	--	.11	--	10	--	5
25/01E-20L02	81-08-27	164	--	--	--	.00	--	5100	--	340
25/01E-23K01	61-02-28	79	--	1.4	--	--	3300	--	--	--
25/01E-24F02	81-07-16	159	--	--	--	.21	--	1500	--	940
25/01W-26D01	81-07-14	77	--	--	--	.36	--	<10	--	2
25/02E-10K01	81-07-14	157	--	--	--	.02	--	130	--	50
25/02E-11E01	81-07-14	114	--	--	--	.01	--	680	--	130
25/02E-17C01	49-12-22	--	--	.00	--	--	110	--	<50	--
25/02E-17C02	49-12-22	--	--	.00	--	--	320	--	<50	--
25/02E-26K03	61-02-01	118	--	.30	--	--	450	--	--	--
25/02E-34R02	59-03-24	99	--	.90	--	--	30	--	--	--
	59-11-02	98	--	.70	--	--	40	--	--	--
25/02E-35H01	46-07-24	--	--	--	--	--	1400	--	100	--
25/02E-35H03	46-05-06	--	--	--	--	--	40	--	<50	--
	60-10-05	166	--	.10	--	--	40	--	--	--
25/02E-35M02	61-02-27	115	--	5.3	--	--	2300	--	--	--
26/01E-02L05	76-08-31	111	--	--	<.10	--	--	80	--	20
	76-09-01	105	--	--	.01	--	--	190	--	20
26/01E-10L01	59-03-24	01	--	5.1	--	--	10	--	--	--
	59-11-02	85	--	4.2	--	--	20	--	--	--
26/01E-13R01	81-07-14	114	--	--	--	.06	--	20	--	60
26/01E-13H03	61-02-28	64	--	10	--	--	150	--	--	--
26/01E-13K01	81-07-16	102	--	--	--	4.3	--	20	--	4
26/01E-32K01	47-10-07	--	--	--	--	--	20	--	<50	--
26/01E-32Q02	44-03-03	--	--	4.4	--	--	400	--	--	--
26/01E-34F02	71-03-29	120	--	--	.30	--	140	--	30	--
26/01E-36P01	48-05-20	--	--	--	--	--	770	--	--	--
	60-10-05	174	--	3.4	--	--	240	--	--	--
26/01E-36P02	48-05-20	--	--	--	--	--	890	--	--	--
26/01E-36P04	48-05-20	--	--	--	--	--	650	--	--	--
26/02E-10J01	61-02-27	108	--	.20	--	--	590	--	--	--
26/02E-31B03	76-02-25	119	--	--	.02	--	--	830	--	40
26/02E-31D02	75-12-10	103	--	--	.01	--	--	180	--	30
26/03E-07M01	44-06-13	--	--	--	--	--	170	--	200	--
27/02E-09R02	76-05-18	216	--	--	.02	--	--	1500	--	190
27/02E-23K01	72-04-11	140	--	--	.13	--	280	--	230	--
27/02E-25N01	61-02-27	149	--	.10	--	--	150	--	--	--
27/02E-26N01	59-03-24	151	--	.30	--	--	300	--	--	--
	59-11-02	157	--	.00	--	--	430	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				KITSAP						
27/02E-28G01	47 48 12	122 33 00	01	61-02-27	134	165.00	110	7.8	8.5	--
28/02E-35M02	47 52 24	122 30 57	01	61-02-27	107	150.00	200	7.9	9.5	--

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
27/02E-28G01	61-02-27	45	0	7.5	6.4	4.5	18	.3	.8	56
28/02E-35M02	61-02-27	64	0	7.6	11	7.6	20	.4	2.5	86

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
27/02E-28G01	61-02-27	0	--	46	--	5.6	2.0	.1	28	95
28/02E-35M02	61-02-27	0	--	71	--	15	8.2	.1	31	128

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
27/02E-28G01	61-02-27	82	--	.50	--	--	270	--	--	--
28/02E-35M02	61-02-27	125	--	.90	--	--	40	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				MASON						
19/03W-03F01	47 14 35	123 02 30	01	81-07-01	178	100.00	132	8.0	10.4	<1
20/02W-05A01	47 15 27	122 57 06	01	71-03-29	110	--	162	8.1	10.0	--
20/02W-22C01	47 12 41	122 55 05	01	75-01-29	111	82.00	187	--	10.0	--
20/02W-22G01	47 12 27	122 54 52	01	75-02-10	123	89.00	195	--	10.0	--
20/02W-26F01	47 11 42	122 54 01	01	75-02-28	352	11.00	114	--	10.8	--
20/02W-29D01	47 11 54	122 58 12	01	81-08-25	218	120.00	197	7.7	12.0	<1
20/02W-35D01	47 10 56	122 54 08	01	75-02-21	104	18.00	249	--	10.8	--
20/03W-20E01	47 12 33	123 05 42	01	60-05-24	926	--	147	9.1	14.5	--
20/03W-20F01	47 12 35	123 05 20	01	60-05-24	136	--	54	6.7	9.5	--
21/03W-04N01	47 19 50	123 04 42	01	71-03-30	292	520.00	84	8.5	9.4	--
21/04W-02E02	47 20 23	123 09 35	01	69-08-27	45	20.00	--	7.2	8.9	--
21/04W-02F01	47 20 11	123 09 27	01	69-09-30	52	20.00	--	7.5	9.5	--
21/04W-02F02	47 20 18	123 09 25	01	69-10-01	53	20.00	--	7.5	9.5	--
21/04W-02K01	47 20 12	123 09 09	01	69-09-30	66	20.00	--	7.4	9.5	--
21/04W-02L02	47 20 08	123 09 18	01	72-10-20	50	20.00	--	7.4	10.0	--
21/04W-02L03	47 20 11	123 09 14	01	69-09-30	56	20.00	--	7.4	9.5	--
21/04W-02P01	47 20 03	123 09 14	01	69-09-30	70	20.00	--	7.6	9.5	--
21/04W-02Q02	47 20 00	123 09 07	01	69-09-30	65	20.00	--	7.4	8.9	--
21/04W-11B02	47 19 43	123 09 08	01	69-08-27	55	20.00	--	7.5	9.5	--
21/04W-11C02	47 19 49	123 09 15	01	69-10-20	52	21.00	--	7.7	8.9	--
21/04W-11F01	47 19 35	123 09 12	01	69-09-30	61	18.00	--	7.3	8.9	--
21/04W-11H01	47 19 28	123 08 50	01	69-08-27	50	15.00	--	7.5	9.5	--
21/04W-11H02	47 19 38	123 08 49	01	69-09-16	55	15.00	--	7.5	9.5	--
21/04W-11J01	47 19 17	123 08 50	01	69-08-27	38	15.00	--	7.7	9.5	--
21/04W-11J02	47 19 17	123 08 46	01	69-10-09	69	15.00	--	8.0	9.5	--
21/04W-11J04	47 19 16	123 08 35	01	69-09-30	50	10.00	--	7.7	8.5	--
21/04W-11J05	47 19 26	123 08 39	01	69-10-20	59	14.00	--	7.6	8.9	--
21/04W-12C01	47 19 41	123 07 57	01	69-09-16	49	10.00	--	7.6	8.9	--
21/04W-12M01	47 19 22	123 08 20	01	69-08-27	36	13.00	--	7.4	9.5	--
22/01W-20P02	47 22 40	122 49 55	01	81-07-08	69	15.00	110	7.7	12.2	<1
22/02W-01C01	47 25 54	122 52 45	01	61-03-02	42	--	91	6.6	10.0	--
22/03W-26Q01	47 21 42	123 01 27	01	61-03-02	55	10.00	189	7.9	9.0	--
				61-08-16	55	--	595	7.5	11.0	--
22/04W-35N03	47 20 53	123 09 30	01	69-10-20	55	13.00	--	7.7	8.9	--
23/01W-21F01	47 28 22	122 49 02	01	81-07-08	285	180.00	98	7.4	10.2	<1
23/01W-21M01	47 28 03	122 49 00	01	81-07-08	40	130.00	113	7.7	9.4	<1
23/02W-13P01	47 28 42	122 51 46	01	61-05-23	210	--	97	7.8	9.0	--
				72-04-11	210	--	99	7.8	9.1	--
24/04W-02L01	47 35 57	123 09 27	01	65-12-21	51	--	76	7.2	8.9	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				MASON						
19/03W-03F01	81-07-01	69	9	17	6.5	5.1	14	.3	.6	--
20/02W-05A01	71-03-29	73	24	17	7.4	4.5	12	.2	.5	100
20/02W-22C01	75-01-29	87	0	15	12	7.4	15	.4	2.0	116
20/02W-22G01	75-02-10	81	0	16	10	6.3	14	.3	1.1	116
20/02W-26F01	75-02-28	56	3	14	5.2	5.1	16	.3	1.8	65
20/02W-29D01	81-08-25	87	0	24	6.6	7.2	15	.3	2.0	--
20/02W-35D01	75-02-21	102	0	26	9.0	20	29	.9	3.4	153
20/03W-20E01	60-05-24	9	0	3.5	.0	30	88	4.7	.1	46
20/03W-20F01	60-05-24	22	0	6.0	1.6	2.1	17	.2	.0	30
21/03W-04N01	71-03-30	38	0	9.3	3.5	3.4	16	.2	.2	49
21/04W-02E02	69-08-27	35	0	10	2.4	1.3	7	.1	.4	59
21/04W-02F01	69-09-30	65	15	11	9.2	2.2	7	.1	1.6	61
21/04W-02F02	69-10-01	61	7	12	7.5	1.9	6	.1	1.3	66
21/04W-02K01	69-09-30	55	14	11	6.8	1.4	5	.1	.7	50
21/04W-02L02	72-10-20	62	4	11	8.3	8.6	23	.5	1.4	71
21/04W-02L03	69-09-30	51	6	11	5.6	1.7	7	.1	.7	55
21/04W-02P01	69-09-30	50	6	10	6.1	1.4	6	.1	.9	54
21/04W-02Q02	69-09-30	45	9	10	4.9	1.5	7	.1	.4	44
21/04W-11R02	69-08-27	48	2	8.8	6.3	1.3	5	.1	.7	56
21/04W-11C02	69-10-20	47	0	10	5.3	4.8	18	.3	.9	57
21/04W-11F01	69-09-30	51	9	11	5.6	1.7	7	.1	.5	51
21/04W-11H01	69-08-27	40	0	8.0	4.9	1.6	8	.1	1.0	61
21/04W-11H02	69-09-16	52	2	9.6	6.8	1.5	6	.1	.9	61
21/04W-11J01	69-08-27	51	1	10	6.3	2.1	8	.1	1.2	61
21/04W-11J02	69-10-09	50	0	6.0	8.5	.7	3	.0	.8	62
21/04W-11J04	69-09-30	51	6	10	6.3	2.2	8	.1	1.0	55
21/04W-11J05	69-10-20	44	0	8.8	5.3	9.6	32	.6	1.0	71
21/04W-12C01	69-09-16	37	0	10	2.9	1.9	0	.1	1.7	54
21/04W-12M01	69-08-27	35	0	10	2.4	2.4	13	.2	.5	46
22/01W-20P02	81-07-08	42	0	9.7	4.3	6.0	23	.4	.6	--
22/02W-01C01	61-03-02	37	0	9.0	3.6	3.0	15	.2	.0	47
22/03W-26Q01	61-03-02	46	0	11	4.4	22	51	1.5	.4	90
	61-08-16	131	69	31	13	60	50	2.4	1.4	76
22/04W-35N03	69-10-20	25	0	1.3	5.3	4.5	25	.4	2.8	56
23/01W-21F01	81-07-08	42	0	9.3	4.5	3.6	16	.2	.6	--
23/01W-21M01	81-07-08	51	0	11	5.8	3.8	14	.2	1.0	--
23/02W-13R01	61-05-23	43	0	10	4.4	3.1	13	.2	.4	60
	72-04-11	44	0	9.9	4.7	3.9	16	.3	.4	62
24/04W-02L01	65-12-21	34	1	11	1.7	1.7	0	.1	.6	40

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				MASON						
19/03W-03F01	81-07-01	--	--	--	60	2.6	14	.1	23	--
20/02W-05A01	71-03-29	--	--	49	--	.5	2.0	.0	46	112
20/02W-22C01	75-01-29	--	--	95	--	2.1	4.4	.1	54	136
20/02W-22G01	75-02-10	--	--	95	--	1.3	3.6	.1	52	140
20/02W-26F01	75-02-28	--	--	53	--	2.0	2.3	.1	32	92
20/02W-29Q01	81-08-25	--	--	--	100	<5.0	2.2	.1	36	--
20/02W-35D01	75-02-21	--	--	126	--	1.9	4.2	.1	32	172
20/03W-20E01	60-05-24	12	--	58	--	5.4	10	.0	16	102
20/03W-20F01	60-05-24	0	--	25	--	.4	1.8	.0	17	48
21/03W-04N01	71-03-30	0	--	40	--	.0	1.5	.0	22	--
21/04W-02E02	69-08-27	--	--	48	--	3.5	1.0	.1	10	--
21/04W-02F01	69-09-30	--	--	50	--	4.4	2.5	.1	17	--
21/04W-02F02	69-10-01	--	--	54	--	3.7	5.0	.1	20	--
21/04W-02K01	69-09-30	--	--	41	--	4.0	2.0	.1	19	--
21/04W-02L02	72-10-20	--	--	58	--	4.0	2.8	.1	10	--
21/04W-02L03	69-09-30	--	--	45	--	4.8	3.0	.1	17	--
21/04W-02P01	69-09-30	--	--	44	--	7.7	2.0	.1	10	--
21/04W-02Q02	69-09-30	--	--	36	--	7.4	3.0	.1	7.0	--
21/04W-11R02	69-08-27	--	--	46	--	2.6	1.0	.1	18	--
21/04W-11C02	69-10-20	--	--	47	--	3.9	.5	.1	7.5	--
21/04W-11F01	69-09-30	--	--	42	--	5.4	1.5	.1	14	--
21/04W-11H01	69-08-27	--	--	50	--	2.6	1.0	.1	15	--
21/04W-11H02	69-09-16	--	--	50	--	4.2	5.5	.0	12	--
21/04W-11J01	69-08-27	--	--	50	--	6.2	1.0	.1	10	--
21/04W-11J02	69-10-09	--	--	51	--	2.9	2.0	.1	6.2	--
21/04W-11J04	69-09-30	--	--	45	--	3.8	2.5	.1	18	--
21/04W-11J05	69-10-20	--	--	58	--	6.1	1.0	.1	6.2	--
21/04W-12C01	69-09-16	--	--	44	--	2.3	3.8	.1	12	--
21/04W-12H01	69-08-27	--	--	38	--	6.1	9.5	.0	10	--
22/01W-20P02	81-07-08	--	--	--	44	<5.0	1.5	.1	24	--
22/02W-01C01	61-03-02	0	--	39	--	.2	2.2	.0	21	64
22/03W-26Q01	61-03-02	0	--	74	--	3.6	13	.1	19	113
	61-08-16	0	--	42	--	19	132	--	19	--
22/04W-35N03	69-10-20	--	--	46	--	11	.5	.1	6.2	--
23/01W-21F01	81-07-08	--	--	--	54	1.6	1.8	.1	25	--
23/01W-21N01	81-07-08	--	--	--	54	1.2	1.3	.1	25	--
23/02W-13R01	61-05-23	0	--	49	--	.0	1.5	.1	24	76
	72-04-11	0	--	51	--	1.2	1.0	.2	27	77
24/04W-02L01	65-12-21	0	--	33	--	3.0	1.8	.0	7.9	53

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				MASON						
19/03W-03F01	81-07-01	105	--	--	--	.04	--	140	--	60
20/02W-05A01	71-03-29	127	--	--	.30	--	960	--	500	--
20/02W-22C01	75-01-29	158	--	--	--	<.10	--	3800	--	250
20/02W-22G01	75-02-10	150	--	--	--	<.10	--	1500	--	900
20/02W-26F01	75-02-28	95	--	--	--	.01	--	300	--	70
20/02W-29D01	81-08-25	143	--	--	--	.00	--	140	--	56
20/02W-35D01	75-02-21	172	--	--	--	<.10	--	60	--	70
20/03W-20E01	60-05-24	112	--	.00	--	--	<10	--	--	--
20/03W-20F01	60-05-24	44	--	.00	--	--	30	--	--	--
21/03W-04N01	71-03-30	64	--	--	--	--	50	--	<20	--
21/04W-02E02	69-08-27	58	.30	--	--	--	140	--	41	--
21/04W-02F01	69-09-30	78	.60	--	--	--	<10	--	26	--
21/04W-02F02	69-10-01	84	.30	--	--	--	<10	--	23	--
21/04W-02K01	69-09-30	70	.50	--	--	--	<10	--	29	--
21/04W-02L02	72-10-20	81	.30	--	--	--	340	--	61	--
21/04W-02L03	69-09-30	71	.30	--	--	--	300	--	29	--
21/04W-02P01	69-09-30	65	.50	--	--	--	880	--	31	--
21/04W-02Q02	69-09-30	56	.20	--	--	--	<10	--	14	--
21/04W-11B02	69-08-27	66	.00	--	--	--	<10	--	0	--
21/04W-11C02	69-10-20	61	.08	--	--	--	160	--	44	--
21/04W-11F01	69-09-30	65	.20	--	--	--	<10	--	19	--
21/04W-11H01	69-08-27	64	.09	--	--	--	<10	--	26	--
21/04W-11H02	69-09-16	70	.06	--	--	--	<10	--	27	--
21/04W-11J01	69-08-27	67	.04	--	--	--	<10	--	0	--
21/04W-11J02	69-10-09	58	.30	--	--	--	<10	--	130	--
21/04W-11J04	69-09-30	71	.20	--	--	--	<10	--	56	--
21/04W-11J05	69-10-20	73	.30	--	--	--	300	--	27	--
21/04W-12C01	69-09-16	61	.06	--	--	--	120	--	26	--
21/04W-12M01	69-08-27	64	.30	--	--	--	60	--	66	--
22/01W-20P02	81-07-08	74	--	--	--	.05	--	<10	--	1
22/02W-01C01	61-03-02	62	--	2.0	--	--	20	--	--	--
22/03W-26Q01	61-03-02	118	--	.00	--	--	200	--	--	--
	61-08-16	313	--	--	--	--	210	--	--	--
22/04W-35N03	69-10-20	59	.10	--	--	--	520	--	54	--
23/01W-21F01	81-07-08	79	--	--	--	.09	--	<10	--	1
23/01W-21M01	81-07-08	82	--	--	--	.02	--	40	--	4
23/02W-13R01	61-05-23	73	--	.20	--	--	40	--	--	--
	72-04-11	79	--	--	.01	--	140	--	<20	--
24/04W-02L01	65-12-21	47	--	.30	--	--	50	--	<50	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
15/04E-12J01	46 47 53	122 14 09	01	72-04-27	156	--	182	7.6	9.3	--
15/05E-25F01	46 45 25	122 07 15	01	63-11-05	94	--	86	6.8	6.5	--
15/07E-33J03	46 44 30	121 55 13	01	72-04-27	43	--	68	7.6	9.8	--
16/03E-22A02	46 51 52	122 24 18	01	61-02-08	426	580.00	249	7.7	9.0	--
16/04E-05D01	46 54 25	122 20 06	01	60-12-15	116	640.00	223	7.4	9.5	--
17/10E-03H01	46 59 23	121 32 00	01	73-06-25	35	2675.00	71	6.7	--	--
18/01E-22D01S	47 02 13	122 40 15	01	75-09-12	--	--	81	7.2	11.4	--
				75-12-11	--	--	98	7.4	10.7	--
				76-03-24	--	--	60	6.9	11.2	--
				76-06-15	--	--	76	7.1	11.2	--
18/02E-32A01	47 00 32	122 34 12	01	66-02-01	990	--	83	7.4	12.2	--
18/02E-32A02	47 00 30	122 34 15	01	55-10-10	1340	--	166	7.3	13.0	--
18/02E-34E01	47 00 18	122 30 14	01	46-00-00	21	--	--	6.6	--	--
18/02E-35D01	46 57 52	122 31 10	01	60-11-28	149	390.00	110	7.5	9.5	--
18/03E-01D01	47 04 07	122 21 52	01	81-06-11	88	450.00	138	6.9	10.8	<1
18/03E-01P01	47 04 11	122 21 35	01	81-06-12	171	440.00	132	7.7	12.6	<1
18/03E-19F01	47 02 05	122 28 40	01	63-01-09	113	--	143	8.0	11.0	--
				63-10-24	113	--	139	7.9	--	--
				65-01-22	113	--	143	7.6	10.0	--
				65-09-22	113	--	144	7.6	11.0	--
				66-11-01	113	--	144	7.5	14.0	--
				68-02-20	113	--	145	8.0	12.0	--
				69-05-08	113	--	136	8.1	13.0	--
18/04E-10D01	47 03 15	122 01 45	02	60-11-28	98	639.00	160	7.8	9.5	--
18/04E-16R01	47 03 08	122 18 05	01	81-06-11	120	620.00	212	7.8	11.0	<1
18/10E-34	47 01 04	121 31 57	01	61-12-13	35	--	85	6.8	2.2	--
19/01E-12K01S	47 08 55	122 36 59	01	46-00-00	--	--	--	7.7	--	--
19/01E-22P02	47 07 12	122 39 32	01	42-02-00	265	--	--	8.0	--	--
19/01E-26A01	47 06 32	122 37 55	01	74-08-27	80	220.00	149	7.3	11.0	--
				74-11-21	80	--	148	7.1	10.7	--
				75-02-13	80	--	146	7.0	10.7	--
				75-05-29	80	--	140	6.9	10.8	--
19/01E-33L02	47 05 11	122 41 05	01	74-08-23	115	--	150	7.4	10.9	--
				74-11-21	115	--	153	7.4	10.7	--
				75-02-13	115	--	150	7.3	10.7	--
				75-05-29	115	--	143	7.1	10.6	--
19/01E-34G01	47 05 29	122 39 43	01	47-11-10	36	215.00	121	6.5	10.5	--
				49-01-26	36	--	118	7.5	--	--
				50-05-26	36	--	105	6.9	14.5	--
				52-07-23	36	--	121	7.0	13.5	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
15/04E-12J01	72-04-27	55	0	14	7.2	10	24	.6	3.7	111
15/05E-25F01	63-11-05	27	0	8.0	1.7	5.0	27	.4	1.9	44
15/07E-33J03	72-04-27	22	0	6.2	1.5	3.7	26	.4	1.0	35
16/03E-22A02	61-02-08	80	0	26	3.7	25	40	1.3	2.0	160
16/04E-05D01	60-12-15	102	0	21	12	10	17	.4	2.5	142
17/10E-03H01	73-06-25	27	0	8.8	1.1	3.5	22	.3	.8	35
18/01E-22D01S	75-09-12	32	0	7.7	3.1	4.5	23	.4	.7	41
	75-12-11	33	0	8.0	3.2	4.6	23	.4	.7	45
	76-03-24	36	2	7.9	4.0	4.3	20	.3	.7	42
	76-06-15	32	0	8.3	2.7	4.0	21	.3	.7	43
18/02E-32A01	66-02-01	27	0	6.0	3.0	4.7	25	.4	2.4	43
18/02E-32A02	55-10-10	59	0	15	7.7	5.9	15	.3	1.5	91
18/02E-34E01	46-00-00	33	2	5.0	5.0	--	--	--	--	38
18/02E-35Q01	60-11-28	44	0	10	4.6	5.1	20	.3	1.3	63
18/03E-01Q01	81-06-11	49	5	13	3.9	6.0	21	.4	1.1	--
18/03E-01R01	81-06-12	47	0	9.9	5.4	6.9	23	.5	1.6	--
18/03E-19F01	63-01-09	50	0	16	4.9	5.2	15	.3	3.4	86
	63-10-24	50	0	16	4.8	5.2	15	.3	3.1	86
	65-01-22	59	0	15	5.3	5.2	15	.3	3.6	87
	65-09-22	61	0	16	5.1	5.4	15	.3	3.1	86
	66-11-01	54	0	17	5.2	5.4	15	.3	2.3	86
	68-02-20	51	0	16	5.0	5.3	15	.3	2.9	88
	69-05-08	58	0	15	5.0	5.4	16	.3	3.1	86
18/04E-10Q01	60-11-28	56	0	16	6.3	6.4	17	.4	2.9	96
18/04E-16R01	81-06-11	78	0	20	6.8	11	23	.6	3.1	--
18/10E-34	61-12-13	31	0	12	.3	3.5	19	.3	.9	38
19/01E-12K01S	46-00-00	39	0	9.0	4.0	--	--	--	--	47
19/01E-22P02	42-02-00	74	--	15	8.8	--	--	--	--	--
19/01E-26A01	74-08-27	64	7	13	7.7	4.6	13	.3	3.7	49
	74-11-21	57	1	12	6.5	5.9	18	.4	1.3	58
	75-02-13	50	4	12	7.2	5.4	16	.3	1.2	68
	75-05-29	50	2	12	7.2	5.5	16	.3	1.3	71
19/01E-33L02	74-08-23	59	4	12	7.1	6.6	18	.4	4.6	67
	74-11-21	57	11	17	6.0	6.8	18	.4	1.5	68
	75-02-13	57	1	12	6.6	6.0	18	.4	1.6	68
	75-05-29	57	0	12	6.5	6.2	19	.4	1.8	70
19/01E-34G01	47-11-10	46	16	12	3.9	--	--	--	--	36
	49-01-26	43	11	11	3.8	--	--	--	--	39
	50-05-26	40	9	10	3.6	4.7	19	.3	2.2	38
	52-07-23	46	13	11	4.5	5.6	21	.4	.8	40

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
15/04E-12J01	72-04-27	0	--	91	--	4.4	1.4	.2	48	178
15/05E-25F01	63-11-05	0	--	36	--	4.0	1.0	.1	46	96
15/07E-33J03	72-04-27	0	--	29	--	3.8	2.0	.1	23	64
16/03E-22A02	61-02-08	0	--	131	--	1.4	3.2	.1	48	186
16/04E-05D01	60-12-15	0	--	116	--	1.2	2.5	.1	50	163
17/10E-03H01	73-06-25	0	--	29	--	6.1	1.0	.1	18	54
18/01E-22D01S	75-09-12	0	--	34	--	5.4	2.4	<.1	22	--
	75-12-11	0	--	37	--	3.7	2.4	.1	20	--
	76-03-24	0	--	34	--	3.3	2.5	.1	20	--
	76-06-15	0	--	35	--	5.3	1.3	.1	21	--
18/02E-32A01	66-02-01	0	--	35	--	3.6	1.8	.2	39	86
18/02E-32A02	55-10-10	--	--	75	--	5.1	3.0	.0	24	106
18/02E-34E01	46-00-00	--	--	31	--	2.0	9.0	--	14	51
18/02E-35Q01	60-11-28	0	--	52	--	.4	2.8	.1	31	88
18/03E-01Q01	81-06-11	--	--	--	44	4.7	4.9	.0	24	--
18/03E-01R01	81-06-12	--	--	--	61	.3	2.1	.2	35	--
18/03E-19F01	63-01-09	0	--	71	--	1.6	1.5	.1	33	105
	63-10-24	0	--	71	--	.4	2.0	.1	34	108
	65-01-22	0	--	71	--	1.2	1.8	.2	29	104
	65-09-22	0	--	71	--	1.8	1.8	.1	32	108
	66-11-01	0	--	71	--	1.6	3.0	.2	30	100
	68-02-20	0	--	72	--	.0	2.0	.0	32	108
	69-05-08	0	--	71	--	1.4	1.6	.1	32	112
18/04E-10Q01	60-11-28	0	--	79	--	3.0	2.5	.1	33	117
18/04E-16B01	81-06-11	--	--	--	92	2.8	2.5	.3	35	--
18/10E-34	61-12-13	0	--	31	--	7.2	1.8	.1	21	70
19/01E-12K01S	46-00-00	--	--	39	--	2.0	10	--	15	69
19/01E-22P02	42-02-00	--	--	--	--	44	20	--	28	142
19/01E-26A01	74-08-27	--	--	57	--	11	3.2	.1	--	96
	74-11-21	--	--	56	--	9.9	1.8	<.1	--	109
	75-02-13	--	--	56	--	11	2.5	.1	--	108
	75-05-29	0	--	58	--	11	3.2	.1	--	109
19/01E-33L02	74-08-23	--	--	55	--	9.7	3.6	.1	--	101
	74-11-21	--	--	56	--	9.6	3.4	<.1	--	112
	75-02-13	--	--	56	--	9.5	2.4	<.1	--	115
	75-05-29	0	--	57	--	9.8	3.5	.1	--	115
19/01F-34G01	47-11-10	0	--	30	--	15	8.2	.1	23	88
	49-01-26	0	--	32	--	14	6.1	.1	21	83
	50-05-26	0	--	31	--	13	4.8	.2	21	80
	52-07-23	0	--	33	--	14	5.0	.1	21	86

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
15/04E-12J01	72-04-27	144	--	--	.04	--	830	--	480	--
15/05E-25F01	63-11-05	99	--	.99	--	--	70	--	--	--
15/07E-33J03	72-04-27	59	--	--	.06	--	210	--	<20	--
16/03E-22A02	61-02-08	198	--	.20	--	--	260	--	--	--
16/04E-05D01	60-12-15	169	--	.10	--	--	230	--	--	--
17/10E-03H01	73-06-25	57	--	--	--	.02	290	--	20	--
18/01E-22D01S	75-09-12	56	.23	--	--	--	--	--	--	<10
	75-12-11	65	.23	--	--	--	--	--	--	<10
	76-03-24	63	.30	--	--	--	--	<10	--	<10
	76-06-15	65	.22	--	--	--	--	<10	--	50
18/02E-32A01	66-02-01	92	--	.20	--	--	2900	--	200	--
18/02E-32A02	55-10-10	107	--	1.4	--	--	840	--	--	--
18/02E-34E01	46-00-00	--	--	--	--	--	--	--	--	--
18/02E-35D01	60-11-28	86	--	.60	--	--	150	--	--	--
18/03E-01Q01	81-06-11	84	--	--	--	2.8	--	10	--	1
18/03E-01R01	81-06-12	98	--	--	--	.02	--	40	--	110
18/03E-19F01	63-01-09	108	--	.10	--	--	400	--	100	--
	63-10-24	108	--	.00	--	--	290	--	100	--
	65-01-22	104	--	.10	--	--	370	--	100	--
	65-09-22	108	--	.10	--	--	460	--	100	--
	66-11-01	107	--	.10	--	--	270	--	<10	--
	68-02-20	106	--	.10	--	--	220	--	20	--
	69-05-08	106	--	.00	--	--	330	--	50	--
18/04E-10D01	60-11-28	117	--	.10	--	--	500	--	--	--
18/04E-16R01	81-06-11	137	--	--	--	.03	--	30	--	120
18/10F-34	61-12-13	55	--	.10	--	--	80	--	--	--
19/01F-12K01S	46-00-00	--	--	--	--	--	--	--	--	--
19/01E-22P02	42-02-00	--	--	--	--	--	40	--	--	--
19/01E-26A01	74-08-27	--	.18	--	--	--	--	30	--	<10
	74-11-21	--	.17	--	--	--	--	<10	--	<10
	75-02-13	--	.20	--	--	--	--	50	--	<10
	75-05-29	--	.20	--	--	--	--	20	--	<10
19/01E-33L02	74-08-23	--	.75	--	--	--	--	100	--	<10
	74-11-21	--	.75	--	--	--	--	40	--	<10
	75-02-13	--	.97	--	--	--	--	30	--	<10
	75-05-29	--	.76	--	--	--	--	50	--	<10
19/01F-34G01	47-11-10	--	--	3.1	--	--	<10	--	--	--
	49-01-26	--	--	2.0	--	--	--	--	--	--
	50-05-26	78	--	1.2	--	--	30	--	--	--
	52-07-23	92	--	3.2	--	--	50	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/01E-34G01	47 05 29	122 39 43	01	53-09-10	36	--	119	6.6	11.0	--
				54-09-13	36	--	114	7.5	10.5	--
				55-10-10	36	--	121	6.5	10.5	--
				56-11-06	36	--	117	6.3	10.5	--
				58-01-13	36	--	122	6.5	11.5	--
19/01E-35A01	47 05 49	122 37 57	01	74-08-27	128	235.00	158	6.9	12.3	--
				74-11-21	128	--	159	6.8	11.6	--
				75-02-13	128	--	160	6.8	11.0	--
				75-05-29	128	--	143	6.7	11.4	--
19/02F-01A02	47 10 07	122 28 55	01	74-08-22	60	--	212	7.0	12.8	--
				74-11-21	60	--	235	7.1	12.4	--
				75-02-18	60	--	224	7.2	12.4	--
				75-05-28	60	--	220	7.2	12.4	--
19/02E-01J02	47 09 38	122 29 06	01	50-07-31	173	--	--	7.7	--	--
				55-12-23	173	--	--	7.5	--	--
19/02F-02L01S	47 09 45	122 31 09	01	74-09-09	--	240.00	145	6.4	12.0	--
				74-11-22	--	240.00	140	6.4	13.0	--
				75-02-13	--	240.00	130	6.5	11.2	--
				75-05-30	--	240.00	117	6.3	10.5	--
				81-05-28	--	240.00	148	6.4	11.0	<2
19/02F-02M04	47 09 08	122 31 14	01	81-07-17	571	260.00	126	7.4	10.0	<1
19/02E-09C01	47 09 15	122 33 32	01	38-11-04	481	--	--	--	11.0	--
19/02E-10F05	47 09 02	122 32 17	01	60-03-22	503	270.00	119	7.5	13.5	--
19/02F-10L01	47 08 46	122 32 18	01	55-12-23	638	--	--	7.4	--	--
19/02E-12A01	47 09 17	122 29 03	01	59-11-12	141	285.00	165	7.8	11.0	--
				60-09-22	141	--	155	7.8	11.0	--
				61-09-20	141	--	151	7.7	11.0	--
				63-01-08	141	--	157	6.9	11.0	--
				63-10-24	141	--	152	7.4	10.0	--
				65-01-22	141	--	152	7.6	12.0	--
				66-10-31	141	--	144	7.1	12.0	--
				68-02-20	141	--	147	7.9	12.0	--
				69-05-07	141	--	152	7.8	12.0	--
19/02E-13G01	47 08 10	122 29 23	01	48-05-27	200	294.00	111	7.0	11.0	--
				49-07-21	200	--	123	7.5	11.0	--
				50-06-22	200	--	115	7.0	10.0	--
				51-01-05	200	--	112	7.7	11.0	--
				52-03-13	200	--	117	7.6	--	--
				52-12-10	200	--	126	7.3	11.0	--
				53-11-19	200	--	121	7.6	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/01E-34G01	53-09-10	42	8	11	3.6	5.4	21	.4	.7	42
	54-09-13	42	12	11	3.6	4.5	18	.3	.7	36
	55-10-10	44	11	12	3.3	5.4	21	.4	1.0	40
	56-11-06	42	11	12	3.0	5.0	20	.3	.6	38
	58-01-13	45	11	12	3.7	5.4	20	.4	.7	41
19/01E-35A01	74-08-27	50	10	14	6.1	6.4	18	.4	1.6	61
	74-11-21	58	8	15	5.1	6.8	20	.4	1.3	61
	75-02-13	52	2	12	5.3	6.0	20	.4	1.1	61
	75-05-29	50	0	15	5.4	6.3	18	.4	1.2	61
19/02E-01A02	74-08-22	56	36	19	4.5	10	23	.6	4.6	36
	74-11-21	77	45	20	6.5	11	23	.6	1.4	39
	75-02-18	74	73	19	6.4	11	24	.6	1.3	36
	75-05-28	72	42	18	6.5	10	23	.5	1.4	37
19/02E-01J02	50-07-31	47	0	9.3	5.8	--	--	--	--	71
	55-12-23	52	0	11	5.9	--	--	--	--	76
19/02F-02L01S	74-09-09	51	3	14	3.8	6.9	22	.4	1.2	58
	74-11-22	51	7	14	3.8	7.4	24	.5	.8	54
	75-02-13	41	4	11	3.3	6.3	24	.4	1.3	45
	75-05-30	49	7	13	4.0	6.6	22	.4	1.1	51
	81-05-28	61	16	17	4.5	6.9	19	.4	1.3	--
19/02E-02M04	81-07-17	51	0	10	6.2	5.5	19	.3	1.6	--
19/02E-09C01	38-11-04	51	0	10	6.4	16	39	1.0	2.2	101
19/02F-10F05	60-03-22	44	0	9.0	5.2	6.1	22	.4	1.5	67
19/02E-10L01	55-12-23	44	0	7.9	5.9	--	--	--	--	77
19/02E-12A01	59-11-12	60	0	17	4.3	8.7	23	.5	2.7	93
	60-09-22	53	0	16	5.5	7.0	19	.4	2.9	82
	61-09-20	51	0	18	3.9	6.7	18	.4	2.8	83
	63-01-08	50	0	16	4.8	8.4	22	.5	2.8	82
	63-10-24	58	0	16	4.5	7.9	22	.5	2.9	79
	65-01-22	58	0	16	4.5	6.4	18	.4	3.4	80
	66-10-31	50	0	17	4.3	6.3	18	.4	2.6	76
	68-02-20	58	0	16	4.3	6.5	19	.4	2.6	77
	69-05-07	55	0	15	4.3	9.5	26	.6	2.9	78
19/02E-13G01	48-05-27	43	0	9.6	4.6	--	--	--	--	62
	49-07-21	46	0	11	4.6	--	--	--	--	62
	50-06-22	44	0	10	4.6	4.9	19	.3	2.2	60
	51-01-05	43	0	9.8	4.5	5.3	20	.4	3.4	61
	52-03-13	45	0	10	4.9	5.4	20	.4	2.2	65
	52-12-10	48	0	11	5.1	5.4	19	.3	2.2	42
	53-11-19	49	0	11	5.2	5.8	20	.4	1.9	62

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
19/01E-34G01	53-09-10	0	--	34	--	13	4.7	.1	22	84
	54-09-13	0	--	30	--	15	4.9	.1	21	78
	55-10-10	0	--	33	--	13	4.5	.0	19	84
	56-11-06	0	--	31	--	15	4.5	.0	17	81
	58-01-13	0	--	34	--	14	4.5	.0	16	84
19/01E-35A01	74-08-27	--	--	50	--	11	4.3	<.1	--	90
	74-11-21	--	--	50	--	11	4.3	<.1	--	103
	75-02-13	--	--	50	--	12	3.6	<.1	--	102
	75-05-29	0	--	50	--	12	4.2	.1	--	106
19/02E-01A02	74-08-22	--	--	30	--	20	12	<.1	--	136
	74-11-21	--	--	32	--	23	13	<.1	--	159
	75-02-18	--	--	1.0	--	21	12	<.1	--	159
	75-05-28	0	--	30	--	21	12	<.1	--	155
19/02E-01J02	50-07-31	--	--	58	--	5.8	6.3	--	31	103
	55-12-23	--	--	62	--	44	68	--	52	98
19/02F-02L01S	74-09-09	--	--	48	--	7.5	5.9	.1	--	78
	74-11-22	--	--	44	--	6.7	5.9	<.1	--	92
	75-02-13	--	--	37	--	7.8	5.2	<.1	--	90
	75-05-30	0	--	42	--	6.1	4.9	<.1	--	87
	81-05-28	--	--	--	45	8.1	5.0	.0	20	--
19/02F-02M04	81-07-17	--	--	--	55	<5.0	2.3	.1	40	--
19/02F-09C01	38-11-04	--	--	83	--	.4	1.9	.2	51	141
19/02F-10F05	60-03-22	0	--	55	--	2.1	2.2	.1	41	95
19/02F-10L01	55-12-23	--	--	63	--	2.6	6.8	--	46	92
19/02F-12A01	59-11-12	0	--	68	--	5.2	6.2	.0	24	114
	60-09-22	0	--	67	--	5.8	3.8	.1	28	111
	61-09-20	0	--	68	--	7.6	3.0	.1	29	115
	63-01-08	0	--	67	--	6.0	5.0	.1	29	116
	63-10-24	0	--	65	--	6.8	4.8	.1	29	111
	65-01-22	0	--	66	--	7.0	3.5	.2	25	108
	66-10-31	0	--	62	--	7.6	3.5	.2	26	107
	68-02-20	0	--	63	--	6.0	3.5	.1	28	105
	69-05-07	0	--	64	--	6.8	6.1	.1	28	109
19/02F-13G01	48-05-27	0	--	51	--	3.0	2.8	.1	37	92
	49-07-21	0	--	51	--	4.8	3.0	.1	36	97
	50-06-22	0	--	49	--	4.2	3.1	.2	35	97
	51-01-05	0	--	50	--	5.0	2.9	.3	35	94
	52-03-13	0	--	53	--	5.8	2.8	.0	34	97
	52-12-10	0	--	51	--	6.4	3.2	.1	33	102
	53-11-19	0	--	51	--	5.1	2.6	.1	36	96

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
19/01E-34G01	53-09-10	81	--	3.4	--	--	70	--	--	--
	54-09-13	79	--	1.9	--	--	60	--	--	--
	55-10-10	78	--	3.6	--	--	20	--	--	--
	56-11-06	76	--	1.5	--	--	50	--	--	--
	58-01-13	76	--	3.8	--	--	40	--	--	--
19/01E-35A01	74-08-27	--	1.8	--	--	--	--	<10	--	<10
	74-11-21	--	1.7	--	--	--	--	110	--	<10
	75-02-13	--	2.1	--	--	--	--	<10	--	<10
	75-05-29	--	1.5	--	--	--	--	<10	--	<10
19/02E-01A02	74-08-22	--	7.6	--	--	--	--	<10	--	<10
	74-11-21	--	8.8	--	--	--	--	<10	--	<10
	75-02-18	--	8.0	--	--	--	--	30	--	<10
	75-05-28	--	7.9	--	--	--	--	40	--	<10
19/02E-01J02	50-07-31	--	--	--	--	--	100	--	--	--
	55-12-23	--	--	.00	--	--	180	--	--	--
19/02E-02L01S	74-09-09	--	1.3	--	--	--	--	150	--	<10
	74-11-22	--	1.8	--	--	--	--	<10	--	<10
	75-02-13	--	1.7	--	--	--	--	<10	--	<10
	75-05-30	--	1.3	--	--	--	--	<10	--	<10
	81-05-28	90	--	--	--	3.0	--	20	--	6
19/02E-02M04	81-07-17	95	--	--	--	.77	--	<10	--	3
19/02E-09C01	38-11-04	138	--	.80	--	--	2800	--	--	--
19/02E-10F05	60-03-22	100	--	.50	--	--	460	--	--	--
19/02E-10L01	55-12-23	--	--	.00	--	--	60	--	--	--
19/02E-12A01	59-11-12	109	--	.20	--	--	470	--	--	--
	60-09-22	109	--	.10	--	--	30	--	--	--
	61-09-20	112	--	.20	--	--	20	--	--	--
	63-01-08	112	--	.10	--	--	50	--	<50	--
	63-10-24	111	--	.00	--	--	40	--	<50	--
	65-01-22	105	--	.20	--	--	20	--	100	--
	66-10-31	105	--	.00	--	--	30	--	40	--
	68-02-20	105	--	.00	--	--	80	--	40	--
	69-05-07	111	--	.00	--	--	110	--	10	--
19/02E-13G01	48-05-27	--	--	.20	--	--	10	--	--	--
	49-07-21	--	--	1.0	--	--	50	--	--	--
	50-06-22	94	--	1.1	--	--	50	--	--	--
	51-01-05	96	--	.80	--	--	10	--	--	--
	52-03-13	97	--	.90	--	--	40	--	--	--
	52-12-10	97	--	1.2	--	--	40	--	--	--
	53-11-19	98	--	1.0	--	--	40	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/02E-13G01	47 08 10	122 29 23	01	54-11-05	200	--	127	7.2	12.0	--
				55-10-18	200	--	123	7.4	11.0	--
				56-12-10	200	--	123	7.4	12.0	--
				57-10-14	200	--	127	7.6	11.0	--
				58-11-05	200	--	124	7.8	12.0	--
				59-11-12	200	--	129	7.8	11.0	--
				60-09-21	200	--	136	7.8	11.0	--
				61-09-20	200	--	127	7.3	12.0	--
				63-01-07	200	--	129	7.4	12.0	--
				63-10-22	200	--	143	7.2	10.0	--
				65-01-22	200	--	134	7.4	12.0	--
				65-09-24	200	--	135	7.4	13.0	--
				66-10-31	200	--	135	7.0	12.0	--
				68-02-19	200	--	160	7.5	13.0	--
				69-05-07	200	--	134	7.5	12.0	--
19/02E-13G02	47 08 11	122 29 25	01	49-07-21	298	300.00	143	7.2	11.0	--
				50-06-22	298	--	140	7.0	10.0	--
				51-01-05	298	--	164	7.4	11.0	--
				52-03-13	298	--	141	7.4	--	--
				52-12-10	298	--	134	7.4	12.0	--
				53-11-19	298	--	133	7.4	--	--
				54-11-05	298	--	137	7.0	13.0	--
				55-10-18	298	--	139	7.2	11.5	--
				56-12-10	298	--	155	7.1	12.0	--
				57-10-14	298	--	157	7.4	12.0	--
				58-10-05	298	--	147	7.2	12.0	--
				59-11-12	298	--	155	7.2	12.0	--
				60-09-21	298	--	146	7.3	12.0	--
				61-09-20	298	--	141	7.1	13.0	--
				63-01-07	298	--	155	7.0	12.0	--
				63-10-22	298	--	147	7.0	10.0	--
				65-01-22	298	--	162	7.2	12.0	--
				65-09-24	298	--	153	7.0	14.0	--
				66-10-31	298	--	157	6.9	12.0	--
				68-02-19	298	--	171	7.3	13.0	--
				69-05-07	298	--	159	7.2	12.0	--
19/02E-14R02	47 08 28	122 30 46	01	51-03-21	108	--	--	7.4	--	--
				55-12-23	108	--	--	6.7	--	--
				70-12-15	108	275.00	167	7.0	7.3	--
19/02E-14L01	47 07 55	122 31 01	01	59-11-13	220	310.00	92	7.6	10.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/02E-13G01	54-11-05	50	0	11	5.5	6.5	21	.4	1.7	62
	55-10-18	45	0	10	4.9	5.5	20	.4	2.1	61
	56-12-10	47	0	11	4.8	5.4	19	.4	2.1	62
	57-10-14	51	2	12	5.2	5.4	18	.3	2.2	60
	58-11-05	49	0	12	4.7	5.3	18	.3	2.3	64
	59-11-12	47	0	12	4.1	5.4	20	.4	1.0	63
	60-09-21	52	0	12	5.3	5.8	19	.4	2.4	64
	61-09-20	50	0	12	4.9	5.8	19	.4	2.3	64
	63-01-07	50	0	13	4.3	5.7	19	.4	2.3	64
	63-10-22	56	2	13	5.8	5.7	17	.3	2.3.	66
	65-01-22	51	0	12	5.2	5.9	19	.4	2.7	66
	65-09-24	52	0	12	5.4	5.7	18	.4	2.4	65
	66-10-31	55	1	13	5.4	5.7	18	.3	2.3	66
	68-02-19	55	0	13	5.5	5.9	18	.4	2.3	67
	69-05-07	53	0	12	5.5	6.0	19	.4	2.4	67
19/02E-13G02	49-07-21	57	3	14	5.3	--	--	--	--	66
	50-06-22	55	3	13	5.4	5.2	16	.3	2.4	64
	51-01-05	67	6	16	6.6	6.0	15	.3	3.8	74
	52-03-13	56	0	13	5.6	5.5	17	.3	1.6	68
	52-12-10	52	1	12	5.4	5.1	17	.3	1.7	62
	53-11-19	54	5	13	5.3	5.6	18	.3	1.7	60
	54-11-05	57	8	13	5.9	5.1	16	.3	1.6	60
	55-10-18	53	4	13	5.1	5.5	18	.3	1.9	60
	56-12-10	61	8	15	5.8	5.7	16	.3	1.9	65
	57-10-14	61	9	14	6.4	5.9	17	.3	1.9	64
	58-10-05	60	8	16	4.9	5.6	16	.3	1.9	53
	59-11-12	60	6	15	5.5	5.6	16	.3	1.9	66
	60-09-21	56	4	14	5.2	5.7	17	.3	1.9	63
	61-09-20	58	6	14	5.5	5.8	17	.3	2.0	64
	63-01-07	62	6	16	5.4	5.9	17	.3	1.9	68
	63-10-22	60	6	14	6.2	5.6	16	.3	2.0	56
	65-01-22	64	4	16	5.9	6.0	16	.3	2.5	73
	65-09-24	62	5	15	5.9	5.7	16	.3	1.9	70
	66-10-31	68	9	17	6.1	5.7	15	.3	1.7	72
	68-02-19	67	5	16	6.5	6.3	17	.3	1.9	76
	69-05-07	66	4	16	6.4	6.3	17	.3	1.9	76
19/02E-14R02	51-03-21	46	3	--	4.2	--	--	--	--	52
	55-12-23	53	5	13	5.1	--	--	--	--	59
	70-12-15	65	15	16	6.1	6.3	17	.4	1.4	61
19/02E-14L01	59-11-13	31	0	7.0	3.3	4.9	24	.4	1.9	48

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
19/02E-13G01	54-11-05	0	--	51	--	6.6	3.5	.1	33	106
	55-10-18	0	--	50	--	5.9	3.0	.0	29	96
	56-12-10	0	--	51	--	5.9	3.0	.0	30	96
	57-10-14	0	--	49	--	6.3	3.2	.1	--	97
	58-11-05	0	--	52	--	5.7	3.2	.1	35	102
	59-11-12	0	--	52	--	5.7	2.5	.0	33	99
	60-09-21	0	--	52	--	7.2	3.2	.1	33	108
	61-09-20	0	--	52	--	7.2	3.5	.1	33	101
	63-01-07	0	--	52	--	7.6	2.8	.1	34	103
	63-10-22	0	--	54	--	10	3.8	.1	34	110
	65-01-22	0	--	54	--	7.0	3.0	.1	31	102
	65-09-24	0	--	53	--	7.0	3.0	.1	32	99
	66-10-31	0	--	54	--	7.6	4.0	.2	32	104
	68-02-19	0	--	55	--	8.0	4.0	.0	34	106
	69-05-07	0	--	55	--	8.0	2.8	.1	33	100
19/02E-13G02	49-07-21	0	--	54	--	6.3	4.1	.2	29	102
	50-06-22	0	--	52	--	6.9	4.0	.2	28	103
	51-01-05	0	--	61	--	9.1	4.5	.3	29	119
	52-03-13	0	--	56	--	8.7	3.9	.0	27	105
	52-12-10	0	--	51	--	7.7	3.9	.1	26	98
	53-11-19	0	--	49	--	7.3	3.7	.1	28	96
	54-11-05	0	--	49	--	8.1	4.0	.1	26	106
	55-10-18	0	--	49	--	8.3	4.0	.0	26	100
	56-12-10	0	--	53	--	10	4.8	.0	25	108
	57-10-14	0	--	52	--	9.1	4.5	.1	--	109
	58-10-05	0	--	52	--	9.2	4.5	.1	28	110
	59-11-12	0	--	54	--	9.2	5.0	.1	32	110
	60-09-21	0	--	52	--	8.8	4.0	.0	26	106
	61-09-20	0	--	52	--	8.8	3.8	.1	27	109
	63-01-07	0	--	56	--	10	3.5	.1	27	115
	63-10-22	0	--	54	--	9.0	4.2	.0	27	107
	65-01-22	0	--	60	--	10	4.2	.1	24	109
	65-09-24	0	--	57	--	9.2	3.8	.1	25	101
	66-10-31	0	--	59	--	10	5.0	.2	25	105
	68-02-19	0	--	62	--	11	5.0	.0	27	111
	69-05-07	0	--	62	--	11	4.0	.0	26	112
19/02E-14R02	51-03-21	--	--	43	--	7.1	7.7	.0	32	88
	55-12-23	--	--	48	--	8.7	7.5	--	51	91
	70-12-15	0	--	50	--	11	5.9	.1	23	111
19/02E-14L01	59-11-13	0	--	39	--	2.7	2.2	.0	24	76

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
19/02E-13G01	54-11-05	98	--	1.5	--	--	60	--	--	--
	55-10-18	90	--	1.6	--	--	<10	--	--	--
	56-12-10	93	--	1.2	--	--	20	--	--	--
	57-10-14	--	--	1.8	--	--	<10	--	--	--
	58-11-05	100	--	1.4	--	--	10	--	--	--
	59-11-12	95	--	1.5	--	--	<10	--	--	--
	60-09-21	100	--	2.6	--	--	<10	--	--	--
	61-09-20	100	--	1.1	--	--	<10	--	--	--
	63-01-07	102	--	1.3	--	--	10	--	<50	--
	63-10-22	107	--	2.7	--	--	30	--	<50	--
	65-01-22	99	--	1.5	--	--	10	--	<50	--
	65-09-24	100	--	1.5	--	--	10	--	<50	--
	66-10-31	103	--	2.0	--	--	10	--	<10	--
	68-02-19	106	--	2.1	--	--	60	--	<10	--
	69-05-07	103	--	1.5	--	--	30	--	<10	--
19/02E-13G02	49-07-21	--	--	4.3	--	--	30	--	--	--
	50-06-22	97	--	4.9	--	--	60	--	--	--
	51-01-05	112	--	11	--	--	40	--	--	--
	52-03-13	99	--	4.4	--	--	60	--	--	--
	52-12-10	92	--	3.0	--	--	60	--	--	--
	53-11-19	94	--	3.3	--	--	70	--	--	--
	54-11-05	93	--	4.3	--	--	50	--	--	--
	55-10-18	93	--	5.7	--	--	30	--	--	--
	56-12-10	100	--	4.5	--	--	10	--	--	--
	57-10-14	--	--	7.6	--	--	10	--	--	--
	58-10-05	101	--	5.4	--	--	80	--	--	--
	59-11-12	107	--	5.2	--	--	10	--	--	--
	60-09-21	97	--	4.4	--	--	10	--	--	--
	61-09-20	98	--	3.9	--	--	<10	--	--	--
	63-01-07	103	--	4.4	--	--	--	--	<50	--
	63-10-22	100	--	5.2	--	--	50	--	<50	--
	65-01-22	105	--	4.7	--	--	70	--	<50	--
	65-09-24	101	--	3.8	--	--	20	--	<50	--
	66-10-31	106	--	3.7	--	--	30	--	<10	--
	68-02-19	111	--	4.4	--	--	70	--	<10	--
	69-05-07	109	--	4.0	--	--	60	--	<10	--
19/02E-14B02	51-03-21	--	--	.10	--	--	--	--	--	--
	55-12-23	--	--	.00	--	--	340	--	--	--
	70-12-15	100	--	.11	--	--	790	--	<20	--
19/02E-14L01	59-11-13	70	--	.10	--	--	30	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/02E-14L01	47 07 55	122 31 01	01	60-09-22	220	--	95	7.6	11.0	--
				61-09-20	220	--	93	7.4	11.0	--
				63-01-07	220	--	97	7.6	11.0	--
				63-10-23	220	--	97	7.4	10.0	--
				65-01-22	220	--	100	7.4	11.0	--
				65-09-22	220	--	101	7.6	13.0	--
				66-10-31	220	--	105	7.1	11.0	--
				68-02-19	220	--	108	7.7	11.0	--
				69-05-08	220	--	99	7.8	11.0	--
19/02E-14L02	47 07 56	122 31 00	01	58-11-05	435	310.00	115	7.4	9.0	--
				59-11-13	435	--	120	7.6	10.0	--
				60-09-22	435	--	121	7.7	11.0	--
				61-09-20	435	--	115	7.4	12.0	--
				63-01-07	435	--	118	7.4	11.0	--
				63-10-23	435	--	119	7.4	10.0	--
				65-01-22	435	--	122	7.7	10.5	--
				66-10-31	435	--	130	7.1	10.0	--
				68-02-19	435	--	130	7.4	12.0	--
				69-05-08	435	--	123	7.8	11.0	--
19/02E-16R01	47 07 48	122 32 30	01	55-12-23	224	--	--	7.3	--	--
19/02E-18M01	47 07 56	122 35 28	01	53-11-19	550	--	110	7.8	--	--
19/02E-18Q01	47 07 37	122 35 49	01	42-04-03	239	234.00	119	--	--	--
				47-11-10	239	--	137	7.9	11.0	--
				50-05-26	239	--	93	7.0	12.0	--
				51-05-02	239	--	138	7.6	11.5	--
				52-07-23	239	--	114	7.3	--	--
				53-09-10	239	--	110	7.6	11.5	--
				54-09-13	239	--	111	7.4	12.0	--
				55-10-10	239	--	120	7.3	11.5	--
19/02E-19R01	47 07 32	122 35 52	01	42-04-03	224	234.00	116	--	--	--
				47-11-10	224	--	158	7.3	10.5	--
				49-01-26	224	--	111	7.5	--	--
				51-04-18	224	--	158	7.3	11.5	--
				52-07-23	224	--	145	7.4	13.0	--
				53-09-10	224	--	127	7.6	11.5	--
				54-09-13	224	--	137	7.2	11.5	--
				69-03-18	224	--	129	7.3	10.0	--
19/02E-19F01	47 07 17	122 35 10	01	47-11-10	229	235.00	117	7.5	10.5	--
				49-01-26	229	--	108	6.9	--	--
				50-05-26	229	--	119	7.3	12.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/02E-14L01	60-09-22	32	0	7.0	3.6	5.1	24	.4	2.2	49
	61-09-20	34	0	7.0	3.9	5.5	25	.4	2.2	52
	63-01-07	35	0	7.5	4.0	5.4	24	.4	2.2	52
	63-10-23	35	0	7.5	4.0	5.2	23	.4	2.2	54
	65-01-22	35	0	7.5	4.0	5.3	23	.4	2.8	54
	65-09-22	37	0	7.2	4.7	5.4	23	.4	2.4	54
	66-10-31	40	0	8.7	4.4	5.5	22	.4	2.2	55
	68-02-19	39	0	8.3	4.5	5.6	22	.4	2.3	58
	69-05-08	38	0	8.0	4.4	5.6	23	.4	2.4	56
19/02E-14L02	58-11-05	43	0	10	4.4	7.0	25	.5	2.0	65
	59-11-13	43	0	9.0	5.0	6.9	25	.5	2.3	69
	60-09-22	43	0	9.0	5.1	7.1	25	.5	2.4	70
	61-09-20	43	0	9.0	4.9	6.8	25	.5	2.3	66
	63-01-07	44	0	9.0	5.3	6.5	23	.4	2.2	66
	63-10-23	45	0	9.0	5.5	7.3	25	.5	2.2	70
	65-01-22	44	0	9.0	5.3	6.3	22	.4	2.9	68
	66-10-31	50	0	11	5.5	7.1	23	.4	2.2	72
	68-02-19	48	0	10	5.6	7.0	23	.5	2.3	70
	69-05-08	46	0	10	5.2	7.7	25	.5	2.4	72
19/02E-16R01	55-12-23	44	0	8.7	5.3	--	--	--	--	68
19/02E-18M01	53-11-19	40	0	7.6	5.0	7.8	29	.6	1.7	66
19/02E-18R01	42-04-03	49	0	10	5.8	5.4	19	.3	1.4	70
	47-11-10	50	1	14	6.0	--	--	--	--	72
	50-05-26	36	5	9.1	3.2	4.5	20	.3	3.2	38
	51-05-02	46	0	9.8	5.2	5.0	17	.3	4.5	70
	52-07-23	49	0	9.4	6.2	5.2	18	.3	1.6	68
	53-09-10	45	0	9.4	5.2	5.0	19	.3	2.0	69
	54-09-13	47	0	9.6	5.6	4.3	16	.3	1.5	68
	55-10-10	47	0	11	4.7	5.5	20	.4	1.7	67
19/02E-19B01	42-04-03	48	0	10	5.5	5.4	19	.3	1.4	68
	47-11-10	56	14	14	7.5	--	--	--	--	64
	49-01-26	46	0	10	5.2	--	--	--	--	66
	51-04-18	67	13	14	7.8	5.5	14	.3	5.1	56
	52-07-23	63	7	13	7.3	5.9	16	.3	2.1	68
	53-09-10	51	0	11	5.6	5.5	18	.3	2.0	67
	54-09-13	56	4	12	6.3	4.9	15	.3	2.3	64
	69-03-18	50	0	11	5.5	5.6	19	.4	1.9	66
19/02E-19F01	47-11-10	50	0	11	5.5	--	--	--	--	68
	49-01-26	44	0	11	4.1	--	--	--	--	59
	50-05-26	51	0	11	5.7	4.5	15	.3	4.5	65

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
19/02E-14L01	60-09-22	0	--	40	--	3.2	1.5	.1	29	78
	61-09-20	0	--	43	--	3.2	3.0	.1	28	75
	63-01-07	0	--	43	--	5.2	2.0	.1	29	82
	63-10-23	0	--	44	--	3.8	2.0	.1	28	76
	65-01-22	0	--	44	--	4.0	2.0	.2	25	78
	65-09-22	0	--	44	--	4.0	2.0	.1	27	76
	66-10-31	0	--	45	--	4.0	2.5	.2	26	75
	68-02-19	0	--	48	--	4.4	2.0	.1	29	90
	69-05-08	0	--	46	--	5.1	1.7	.1	28	83
19/02E-14L02	58-11-05	0	--	53	--	1.6	2.0	.1	33	95
	59-11-13	0	--	57	--	2.6	1.8	.2	35	91
	60-09-22	0	--	57	--	2.6	1.5	.1	33	97
	61-09-20	0	--	54	--	3.4	3.0	.1	32	92
	63-01-07	0	--	54	--	5.2	2.2	.2	32	97
	63-10-23	0	--	57	--	3.6	2.0	.2	33	95
	65-01-22	0	--	56	--	4.4	2.2	.2	28	94
	66-10-31	0	--	59	--	4.0	3.0	.2	--	91
	68-02-19	0	--	57	--	4.8	3.0	.1	33	96
	69-05-08	0	--	59	--	3.9	1.8	.1	34	101
19/02E-16Q01	55-12-23	--	--	56	--	4.1	6.8	--	40	100
19/02E-18M01	53-11-19	--	--	54	--	2.0	1.6	.2	46	99
19/02E-18Q01	42-04-03	0	--	57	--	1.7	2.0	.1	31	85
	47-11-10	0	--	59	--	7.4	3.0	.1	36	106
	50-05-26	0	--	31	--	8.4	4.4	.4	9.2	64
	51-05-02	0	--	57	--	1.6	2.3	.2	30	85
	52-07-23	0	--	56	--	1.9	2.5	.1	30	88
	53-09-10	0	--	57	--	.8	2.0	.1	31	85
	54-09-13	0	--	56	--	1.6	2.5	.1	31	81
	55-10-10	0	--	55	--	3.5	2.8	.1	26	88
19/02E-19R01	42-04-03	0	--	56	--	1.6	2.1	.1	33	86
	47-11-10	0	--	52	--	24	2.6	.1	34	118
	49-01-26	0	--	54	--	1.5	2.4	.1	33	87
	51-04-19	0	--	54	--	24	2.7	.2	31	118
	52-07-23	0	--	56	--	18	3.2	.1	31	110
	53-09-10	0	--	55	--	8.3	2.5	.1	33	97
	54-09-13	0	--	52	--	13	2.8	.1	32	98
	64-03-18	0	--	54	--	7.0	2.1	.2	30	98
19/02E-19F01	47-11-10	0	--	56	--	3.5	2.8	.0	31	89
	49-01-26	0	--	48	--	3.6	3.3	.2	21	79
	50-05-26	0	--	53	--	3.4	3.2	.2	31	95

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
19/02E-14L01	60-09-22	76	--	.00	--	--	40	--	--	--
	61-09-20	78	--	.00	--	--	10	--	--	--
	63-01-07	81	--	.10	--	--	30	--	100	--
	63-10-23	79	--	.10	--	--	30	--	100	--
	65-01-22	77	--	.20	--	--	240	--	100	--
	65-09-22	79	--	.20	--	--	10	--	<50	--
	66-10-31	81	--	.10	--	--	20	--	90	--
	69-02-19	85	--	.20	--	--	10	--	160	--
	69-05-08	83	--	.00	--	--	40	--	60	--
19/02E-14L02	58-11-05	92	--	.20	--	--	350	--	--	--
	59-11-13	97	--	.00	--	--	270	--	--	--
	60-09-22	95	--	.20	--	--	230	--	--	--
	61-09-20	94	--	.10	--	--	210	--	--	--
	63-01-07	96	--	.10	--	--	540	--	<50	--
	63-10-23	97	--	.20	--	--	480	--	<50	--
	65-01-22	92	--	.10	--	--	480	--	100	--
	66-10-31	99	--	.30	--	--	320	--	<10	--
	68-02-19	100	--	.00	--	--	390	--	20	--
	69-05-08	101	--	.00	--	--	290	--	20	--
19/02E-16R01	55-12-23	--	--	.00	--	--	80	--	--	--
19/02E-18M01	53-11-19	104	--	.20	--	--	80	--	--	--
19/02E-18Q01	42-04-03	92	--	.00	--	--	--	--	--	--
	47-11-10	--	--	.30	--	--	--	--	--	--
	50-05-26	61	--	.30	--	--	--	--	--	--
	51-05-02	93	--	.10	--	--	1100	--	--	--
	52-07-23	90	--	.10	--	--	90	--	--	--
	53-09-10	99	--	.20	--	--	1200	--	--	--
	54-09-13	90	--	.10	--	--	860	--	--	--
	55-10-10	88	--	.70	--	--	430	--	--	--
19/02E-19R01	42-04-03	93	--	.00	--	--	--	--	--	--
	47-11-10	--	--	.10	--	--	5100	--	--	--
	49-01-26	--	--	.20	--	--	--	--	--	--
	51-04-18	123	--	.30	--	--	670	--	--	--
	52-07-23	114	--	.40	--	--	130	--	--	--
	53-09-10	101	--	.30	--	--	540	--	--	--
	54-09-13	105	--	.20	--	--	8100	--	--	--
	69-03-18	96	--	.20	--	--	210	--	340	--
19/02E-19F01	47-11-10	--	--	.20	--	--	620	--	--	--
	49-01-26	--	--	.00	--	--	--	--	--	--
	50-05-26	95	--	.20	--	--	7100	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/02E-19F01	47 07 17	122 35 10	01	51-04-19	229	--	115	7.4	--	--
				52-07-24	229	--	120	7.4	13.0	--
				53-09-10	229	--	115	7.4	11.0	--
				54-09-13	229	--	118	7.1	11.0	--
				59-03-24	229	--	126	7.2	13.5	--
				59-10-26	229	--	131	7.4	11.0	--
				62-11-21	229	--	125	7.4	--	--
				68-02-06	229	--	127	7.4	11.0	--
19/02E-19K01	47 07 03	122 35 42	01	54-09-13	1000	--	81	7.3	11.7	--
19/02E-19Q01S	47 06 48	122 35 40	01	47-11-10	--	--	87	6.9	11.5	--
				49-01-26	--	--	89	7.4	--	--
				50-05-31	--	--	87	7.0	12.0	--
				51-04-18	--	--	84	6.8	12.0	--
				52-07-24	--	--	93	7.0	13.0	--
				53-09-10	--	--	93	7.1	14.0	--
				54-09-13	--	--	95	6.6	14.0	--
				55-10-10	--	--	95	6.8	--	--
				56-11-06	--	--	94	6.8	--	--
				58-01-13	--	--	98	6.8	13.0	--
				59-03-24	--	--	99	6.7	--	--
				60-09-13	--	--	117	6.7	12.0	--
				62-01-03	--	--	110	6.5	--	--
				62-11-21	--	--	113	6.6	--	--
				64-03-17	--	--	109	6.6	--	--
				65-01-04	--	--	110	6.8	12.0	--
				67-01-31	--	--	115	6.4	--	--
				70-06-10	--	--	114	7.1	--	--
				74-08-22	--	--	114	6.7	12.9	--
				74-11-21	--	--	120	6.6	12.1	--
				75-02-13	--	--	117	6.6	12.8	--
				75-05-30	--	--	106	6.7	12.6	--
19/02E-19R01	47 06 50	122 35 29	01	64-12-01	17	--	137	6.5	12.2	--
19/02E-23H01	47 07 17	122 30 19	01	58-11-06	158	--	127	7.3	11.0	--
				59-11-16	158	--	129	7.3	12.0	--
				60-09-23	158	--	123	7.3	11.0	--
				61-09-21	158	--	115	7.3	11.0	--
				63-01-08	158	--	103	7.4	11.0	--
				63-10-22	158	--	113	7.2	10.0	--
				65-01-22	158	--	111	7.6	12.0	--
				65-09-22	158	--	111	7.6	12.8	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/02E-19F01	51-04-19	49	0	11	5.2	5.0	17	.3	4.2	69
	52-07-24	53	0	11	6.3	5.3	17	.3	1.7	71
	53-09-10	48	0	11	5.1	5.1	18	.3	1.6	68
	54-09-13	55	1	12	6.2	4.7	15	.3	1.1	66
	59-03-24	52	0	12	5.3	5.1	17	.3	1.7	70
	59-10-26	53	0	12	5.7	5.4	17	.3	1.7	72
	62-11-21	50	0	12	4.9	5.3	18	.3	1.5	69
	68-02-06	50	0	11	5.4	5.2	18	.3	1.7	71
19/02E-19K01	54-09-13	34	0	6.4	4.4	4.2	21	.3	.7	42
19/02E-19Q01S	47-11-10	33	0	8.1	3.1	--	--	--	--	46
	49-01-26	34	0	8.3	3.2	--	--	--	--	44
	50-05-31	34	0	8.2	3.2	4.3	21	.3	1.8	41
	51-04-18	33	0	8.2	3.1	4.0	19	.3	2.6	40
	52-07-24	39	0	9.0	4.1	5.0	21	.4	.8	48
	53-09-10	34	0	8.5	3.2	5.0	24	.4	.6	48
	54-09-13	37	1	9.2	3.5	4.5	20	.3	.7	44
	55-10-10	35	0	9.1	2.9	5.0	23	.4	1.0	44
	56-11-06	35	0	8.5	3.3	4.8	23	.4	.6	44
	59-01-13	36	0	9.7	2.9	4.9	22	.4	.9	45
	59-03-24	36	0	9.0	3.4	4.8	22	.4	1.0	46
	60-09-13	44	0	11	4.0	5.7	22	.4	.9	57
	62-01-03	41	0	11	3.2	5.4	22	.4	1.2	52
	62-11-21	42	0	10	4.2	5.5	22	.4	.9	52
	64-03-17	41	0	10	4.0	5.4	22	.4	1.0	51
	65-01-04	40	1	10	3.6	5.9	24	.4	1.3	47
	67-01-31	44	1	11	4.1	5.3	20	.4	.9	52
	70-06-19	41	0	11	3.4	5.8	23	.4	1.2	50
	74-08-22	43	3	11	3.8	6.6	22	.5	5.2	49
	74-11-21	44	3	12	3.5	5.8	22	.4	.8	50
	75-02-13	41	1	10	3.8	5.1	21	.4	.8	49
	75-05-30	41	1	10	3.8	5.4	22	.4	.9	49
19/02E-19P01	64-12-01	54	4	14	4.6	5.8	19	.4	1.1	61
19/02E-23H01	58-11-06	45	0	10	4.9	9.1	29	.6	3.2	79
	59-11-16	41	0	8.5	4.9	9.1	31	.6	2.6	74
	60-09-23	41	0	8.0	5.0	8.7	30	.6	2.6	70
	61-09-21	39	0	9.0	4.1	8.9	31	.6	2.8	64
	63-01-08	34	0	7.0	4.1	7.9	31	.6	2.5	60
	63-10-22	37	0	7.0	4.7	8.3	31	.6	2.5	64
	65-01-22	36	0	7.5	4.1	8.1	31	.6	2.9	64
	65-09-22	37	0	7.6	4.3	8.0	30	.6	2.6	63

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
					PIERCE					
19/02F-19F01	51-04-19	0	--	57	--	2.6	2.9	.1	30	92
	52-07-24	0	--	58	--	4.2	2.9	.1	30	92
	53-09-10	0	--	56	--	1.7	2.5	.1	33	90
	54-09-13	0	--	54	--	3.5	3.2	.1	27	88
	59-03-24	0	--	57	--	3.0	3.0	.0	30	87
	59-10-26	0	--	59	--	3.3	2.8	.0	31	92
	62-11-21	0	--	57	--	2.2	4.0	.1	31	95
	68-02-06	0	--	58	--	3.6	2.0	.2	31	98
19/02E-19K01	54-09-13	--	--	34	--	3.7	2.2	.1	43	82
19/02F-19Q01S	47-11-10	0	--	38	--	4.0	3.3	.0	11	55
	49-01-26	0	--	36	--	4.5	3.3	.1	11	56
	50-05-31	0	--	34	--	5.8	3.8	.1	11	54
	51-04-18	0	--	33	--	5.8	3.7	.1	8.4	52
	52-07-24	0	--	39	--	5.8	3.8	.1	8.1	60
	53-09-10	0	--	39	--	5.3	3.1	.1	11	57
	54-09-13	0	--	36	--	6.6	3.8	.1	11	56
	55-10-10	0	--	36	--	5.4	3.0	.0	10	57
	56-11-06	0	--	36	--	6.1	3.5	.0	7.0	55
	58-01-13	0	--	37	--	6.5	3.5	.0	9.6	58
	59-03-24	0	--	38	--	6.2	3.5	.0	8.2	53
	60-09-13	0	--	47	--	6.4	3.0	.2	11	71
	62-01-03	0	--	43	--	7.2	3.2	.1	11	70
	62-11-21	0	--	43	--	6.2	4.0	.1	8.6	67
	64-03-17	0	--	42	--	7.6	3.5	.1	9.8	68
	65-01-04	0	--	39	--	6.8	3.2	1.4	8.9	65
	67-01-31	0	--	43	--	8.8	2.5	.1	8.5	64
	70-06-10	0	--	41	--	8.6	3.2	.1	11	69
	74-08-22	--	--	40	--	8.1	3.8	.2	--	56
	74-11-21	--	--	41	--	6.4	2.7	.2	--	70
	75-02-13	--	--	40	--	8.1	2.4	<.1	--	59
	75-05-30	0	--	40	--	8.6	4.1	.1	--	71
19/02E-19R01	64-12-01	0	--	50	--	9.2	4.5	.1	14	85
19/02F-23H01	58-11-06	0	--	65	--	.8	1.5	.2	43	109
	59-11-16	0	--	61	--	.4	1.5	.0	37	111
	60-09-23	0	--	57	--	.1	1.2	.2	42	108
	61-09-21	0	--	56	--	2.4	1.5	.2	42	104
	63-01-08	0	--	49	--	2.8	1.5	.3	44	104
	63-10-22	0	--	52	--	2.6	3.0	.2	41	100
	65-01-22	0	--	52	--	1.6	2.0	.3	37	101
	65-09-22	0	--	52	--	1.8	1.5	.3	40	91

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIEWCF						
19/02E-19F01	51-04-19	95	--	.30	--	--	940	--	--	--
	52-07-24	96	--	.10	--	--	7600	--	--	--
	53-09-10	94	--	.20	--	--	50	--	--	--
	54-09-13	90	--	.20	--	--	1500	--	--	--
	59-03-24	95	--	.40	--	--	660	--	--	--
	59-10-26	97	--	.10	--	--	450	--	--	--
	62-11-21	95	--	.10	--	--	60	--	<50	--
	68-02-06	95	--	.30	--	--	130	--	10	--
19/02E-19K01	54-09-13	85	--	.10	--	--	290	--	--	--
19/02E-19001S	47-11-10	--	--	.30	--	--	20	--	--	--
	49-01-26	--	--	.40	--	--	--	--	--	--
	50-05-31	58	--	.30	--	--	10	--	--	--
	51-04-18	56	--	.30	--	--	110	--	--	--
	52-07-24	50	--	.40	--	--	50	--	--	--
	53-09-10	50	--	.70	--	--	40	--	--	--
	54-09-13	61	--	.10	--	--	70	--	--	--
	55-10-10	58	--	.40	--	--	10	--	--	--
	56-11-06	55	--	.10	--	--	50	--	--	--
	58-01-13	50	--	.80	--	--	50	--	--	--
	59-03-24	59	--	.80	--	--	30	--	--	--
	60-09-13	70	--	.70	--	--	30	--	--	--
	62-01-03	68	--	1.2	--	--	<10	--	<50	--
	62-11-21	65	--	1.2	--	--	<10	--	<50	--
	64-03-17	66	--	1.1	--	--	<10	--	<50	--
	65-01-04	64	--	1.1	--	--	10	--	<50	--
	67-01-31	67	--	1.3	--	--	10	--	30	--
	70-06-10	69	--	1.0	--	--	<10	--	<10	--
	74-08-22	--	.25	--	--	--	--	20	--	<10
	74-11-21	--	.27	--	--	--	--	20	--	<10
	75-02-13	--	.28	--	--	--	--	30	--	<10
	75-05-30	--	.23	--	--	--	--	<10	--	<10
19/02E-19Q01	64-12-01	93	--	3.4	--	--	10	--	<50	--
19/02E-23H01	58-11-06	112	--	.50	--	--	460	--	--	--
	59-11-16	100	--	.40	--	--	570	--	--	--
	60-09-23	102	--	.30	--	--	490	--	--	--
	61-09-21	104	--	.10	--	--	130	--	--	--
	63-01-08	100	--	.40	--	--	410	--	100	--
	63-10-22	101	--	.10	--	--	390	--	100	--
	64-01-22	95	--	.50	--	--	400	--	100	--
	65-09-22	97	--	.40	--	--	380	--	100	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/02E-23H01	47 07 17	122 30 19	01	66-10-31	158	--	108	7.1	11.0	--
				68-02-20	158	--	111	7.4	12.0	--
				69-05-08	158	--	107	7.3	11.0	--
19/02E-24A01	47 07 36	122 29 58	01	59-11-12	91	--	125	6.8	10.0	--
				60-09-22	91	--	121	7.2	11.0	--
19/02E-25M01	47 06 08	122 29 57	01	54-09-13	52	--	96	6.6	11.0	--
				55-10-10	52	--	103	6.7	10.5	--
19/02E-26A01	47 06 39	122 30 19	01	66-02-01	275	--	130	7.1	12.2	--
19/02E-27G01	47 06 28	122 31 27	01	47-11-10	1008	287.00	112	7.7	11.5	--
				49-01-26	1008	--	112	7.2	--	--
				50-05-26	1008	--	121	7.7	11.5	--
				51-04-18	1008	--	113	7.7	11.5	--
				52-07-24	1008	--	115	7.4	13.0	--
				53-09-08	1008	--	116	7.5	11.5	--
				54-09-13	1008	--	117	7.3	12.0	--
				64-03-20	1008	--	116	7.5	--	--
				68-06-10	1008	--	123	7.6	11.0	--
19/02E-30R02	47 06 32	122 35 41	01	59-10-26	10	--	134	6.8	12.0	--
				62-01-03	10	--	140	6.4	12.0	--
19/02E-31J01	47 09 20	122 35 29	01	50-05-27	1000	282.00	80	7.1	11.5	--
				51-04-18	1000	--	78	7.3	12.0	--
				52-07-24	1000	--	80	7.5	13.0	--
				53-09-13	1000	--	81	7.3	11.5	--
				54-09-13	1000	--	81	7.3	11.5	--
				55-10-10	1000	--	80	7.3	12.0	--
				59-10-26	1000	--	80	7.8	12.0	--
19/02E-32H02	47 05 32	122 33 07	02	47-11-10	1340	291.00	130	7.3	10.5	--
				49-01-26	1340	--	156	6.8	--	--
				50-05-27	1340	--	140	7.3	11.0	--
				51-04-18	1340	--	164	7.3	11.0	--
				52-07-23	1340	--	153	7.3	13.0	--
				53-09-10	1340	--	163	7.2	11.5	--
				54-09-13	1340	--	172	7.3	11.0	--
				55-10-10	1340	--	166	7.3	10.5	--
				56-11-06	1340	--	169	7.1	10.5	--
				58-01-13	1340	--	173	7.2	11.5	--
				62-01-03	1340	--	162	7.1	13.0	--
				69-03-18	1340	--	172	8.0	10.5	--
19/02E-34G01	47 05 32	122 32 01	01	55-10-10	36	--	121	6.5	10.6	--
19/03E-01P02	47 10 07	122 22 27	02	62-12-13	283	--	152	7.3	10.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/02E-23H01	66-10-31	38	0	8.0	4.3	8.0	30	.6	2.5	62
	68-02-20	36	0	7.5	4.2	8.2	31	.6	2.5	54
	69-05-08	35	0	7.0	4.2	8.2	32	.6	2.5	51
19/02E-24A01	59-11-12	48	0	11	4.9	4.5	17	.3	.9	63
	60-09-22	48	0	11	5.1	4.6	17	.3	1.2	62
19/02E-25M01	54-09-13	36	0	9.6	3.0	3.9	19	.3	.7	48
	55-10-10	37	0	9.9	2.9	4.7	21	.3	.8	54
19/02E-26A01	66-02-01	51	0	10	6.2	5.9	20	.4	1.5	62
19/02E-27G01	47-11-10	41	0	7.8	5.2	--	--	--	--	56
	49-01-26	41	0	8.0	5.0	--	--	--	--	65
	50-05-26	48	0	9.4	5.9	7.1	23	.5	3.7	70
	51-04-18	40	0	7.8	5.0	7.2	25	.5	5.3	68
	52-07-24	47	0	8.4	6.2	7.1	24	.5	2.6	66
	53-09-08	43	0	8.2	5.4	7.2	25	.5	2.5	73
	54-09-13	44	0	9.0	5.3	6.3	22	.4	2.7	66
	64-03-20	41	0	7.5	5.4	6.9	25	.5	3.0	66
	68-06-10	42	0	8.3	5.2	7.2	25	.5	3.0	67
19/02E-30B02	59-10-26	52	4	14	4.2	5.8	19	.4	1.3	59
	62-01-03	55	7	14	4.9	5.7	18	.3	1.4	58
19/02E-31J01	50-05-27	30	0	5.8	3.8	4.6	22	.4	4.5	43
	51-04-18	30	0	5.6	3.8	4.7	23	.4	3.7	45
	52-07-24	34	0	6.4	4.4	4.9	22	.4	2.1	46
	53-09-13	34	0	6.4	4.4	4.2	21	.3	.7	42
	54-09-13	34	0	6.4	4.4	4.2	21	.3	.7	42
	55-10-10	26	0	5.6	2.9	4.9	27	.4	2.1	40
	59-10-26	27	0	6.0	3.0	4.4	24	.4	2.4	42
19/02E-32H02	47-11-10	57	0	12	6.5	--	--	--	--	70
	49-01-26	55	0	14	7.3	--	--	--	--	81
	50-05-27	62	0	13	7.2	5.2	15	.3	2.2	78
	51-04-19	73	0	15	8.7	5.8	14	.3	3.5	94
	52-07-23	64	0	13	7.7	5.7	16	.3	2.0	84
	53-09-10	70	0	15	8.0	5.7	15	.3	1.4	96
	54-09-13	75	0	16	8.6	5.3	13	.3	1.4	96
	55-10-10	69	0	15	7.7	5.9	15	.3	1.5	91
	56-11-06	75	0	16	8.5	5.7	14	.3	1.3	92
	58-01-13	77	0	17	8.4	5.9	14	.3	1.5	96
	62-01-03	69	0	15	7.7	5.8	15	.3	1.4	87
	69-03-18	72	0	15	8.3	6.0	15	.3	1.5	90
19/02E-34G01	55-10-10	44	11	12	3.3	5.4	21	.4	1.0	40
19/03E-01D02	62-12-13	53	1	15	6.3	6.0	17	.3	1.0	76

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
19/02E-23H01	66-10-31	0	--	51	--	2.4	1.5	.3	38	93
	68-02-20	0	--	52	--	2.4	2.0	.2	42	92
	69-05-08	0	--	50	--	2.9	1.1	.2	41	106
19/02E-24A01	59-11-12	0	--	52	--	5.1	3.0	.1	25	86
	60-09-22	0	--	51	--	5.2	3.0	.0	23	83
19/02E-25H01	54-09-13	0	--	39	--	5.2	3.4	.1	22	69
	55-10-10	0	--	44	--	3.9	3.0	.0	21	73
19/02E-26A01	66-02-01	0	--	51	--	5.4	4.2	1.6	29	95
19/02E-27G01	47-11-10	0	--	54	--	2.6	2.3	.2	53	108
	49-01-26	0	--	53	--	2.3	2.5	.1	48	107
	50-05-26	0	--	57	--	4.1	2.7	.1	42	107
	51-04-18	0	--	56	--	3.1	2.4	.1	48	104
	52-07-24	0	--	54	--	3.5	3.0	.1	48	106
	53-09-08	0	--	60	--	2.9	2.2	.2	50	106
	54-09-13	0	--	54	--	4.0	2.4	.2	48	101
	64-03-20	0	--	54	--	3.6	2.0	.0	44	108
	68-06-10	0	--	55	--	4.4	1.0	.4	47	105
19/02E-30J02	59-10-26	0	--	48	--	11	3.5	.0	15	92
	62-01-03	0	--	48	--	10	3.8	.1	17	92
19/02E-31J01	50-05-27	0	--	35	--	4.2	3.0	.2	46	90
	51-04-18	0	--	37	--	3.3	3.0	.1	42	84
	52-07-24	0	--	38	--	3.9	2.1	.1	42	86
	53-09-13	0	--	34	--	3.7	2.2	.1	43	82
	54-09-13	0	--	34	--	3.7	2.2	.1	43	82
	55-10-10	0	--	33	--	3.6	1.8	.1	39	82
	59-10-26	0	--	34	--	3.3	2.0	.0	42	86
19/02E-32H02	47-11-10	0	--	57	--	5.5	3.8	.1	31	96
	49-01-26	0	--	66	--	6.0	3.7	.1	27	115
	50-05-27	0	--	64	--	5.9	3.6	.1	30	98
	51-04-18	0	--	77	--	5.5	4.9	.1	26	109
	52-07-23	0	--	69	--	6.0	3.5	.1	28	103
	53-09-10	0	--	79	--	5.2	3.4	.1	27	103
	54-09-13	0	--	79	--	5.8	3.0	.1	26	108
	55-10-10	0	--	75	--	5.1	3.0	.0	24	106
	56-11-06	0	--	75	--	5.8	3.5	.0	23	108
	58-01-13	0	--	79	--	6.0	3.8	.0	22	111
	62-01-03	0	--	71	--	6.2	3.2	.1	26	110
	69-03-18	0	--	74	--	7.2	3.0	.1	26	114
19/02F-34G01	55-10-10	--	--	33	--	13	4.5	.0	19	84
19/03E-01D02	62-12-13	0	--	62	--	5.4	3.8	.1	29	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
19/02E-23H01	66-10-31	95	--	.50	--	--	380	--	40	--
	68-02-20	100	--	.20	--	--	360	--	40	--
	69-05-08	97	--	.00	--	--	360	--	20	--
19/02E-24A01	59-11-12	95	--	.50	--	--	20	--	--	--
	60-09-22	84	--	.80	--	--	50	--	--	--
19/02E-25M01	54-09-13	72	--	.30	--	--	100	--	--	--
	55-10-10	73	--	.30	--	--	90	--	--	--
19/02E-26A01	66-02-01	94	--	.70	--	--	50	--	<50	--
19/02E-27G01	47-11-10	--	--	.00	--	--	60	--	--	--
	49-01-26	--	--	.30	--	--	--	--	--	--
	50-05-26	109	--	.20	--	--	--	--	--	--
	51-04-18	112	--	.20	--	--	440	--	--	--
	52-07-24	111	--	.10	--	--	60	--	--	--
	53-09-08	114	--	.10	--	--	130	--	--	--
	54-09-13	110	--	.00	--	--	1000	--	--	--
	64-03-20	105	--	.10	--	--	1900	--	200	--
	68-06-10	109	--	.10	--	--	40	--	150	--
19/02E-30B02	59-10-26	84	--	2.5	--	--	80	--	--	--
	62-01-03	95	--	5.4	--	--	20	--	<50	--
19/02E-31J01	50-05-27	93	--	.10	--	--	8400	--	--	--
	51-04-18	88	--	.20	--	--	920	--	--	--
	52-07-24	89	--	.20	--	--	2500	--	--	--
	53-09-13	85	--	1.0	--	--	1400	--	--	--
	54-09-13	85	--	.10	--	--	1400	--	--	--
	55-10-10	80	--	.40	--	--	990	--	--	--
	59-10-26	94	--	.20	--	--	5200	--	--	--
19/02E-32H02	47-11-10	--	--	1.2	--	--	20	--	--	--
	49-01-26	--	--	3.2	--	--	--	--	--	--
	50-05-27	106	--	1.1	--	--	30	--	--	--
	51-04-18	116	--	1.9	--	--	50	--	--	--
	52-07-23	107	--	2.0	--	--	180	--	--	--
	53-09-10	113	--	1.2	--	--	360	--	--	--
	54-09-13	113	--	.50	--	--	1500	--	--	--
	55-10-10	107	--	1.4	--	--	840	--	--	--
	56-11-06	109	--	1.4	--	--	20	--	--	--
	58-01-13	112	--	1.2	--	--	60	--	--	--
	62-01-03	108	--	1.3	--	--	730	--	<50	--
	69-03-18	111	--	1.3	--	--	200	--	<10	--
19/02E-34G01	55-10-10	78	--	3.6	--	--	20	--	--	--
19/03E-01D02	62-12-13	104	--	3.8	--	--	60	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/03E-05K01	47 09 37	122 26 43	01	74-08-28	80	323.00	210	6.8	12.0	--
				74-11-21	80	320.00	219	6.7	11.3	--
				75-02-13	80	320.00	214	6.9	11.5	--
				75-05-29	80	320.00	204	6.6	11.7	--
				81-05-28	80	320.00	228	6.7	15.5	<1
19/03E-07M01	47 08 45	122 28 30	01	65-09-22	435	--	126	7.4	--	--
19/03E-07M02	47 08 48	122 28 30	01	65-09-23	141	--	147	7.6	14.0	--
19/03E-08H01	47 09 06	122 26 38	01	74-08-22	216	330.00	125	7.3	10.8	--
				74-11-21	216	330.00	123	7.5	10.6	--
				75-02-13	216	330.00	130	7.6	10.8	--
				75-05-29	216	330.00	119	7.7	10.6	--
				81-06-04	216	330.00	132	7.7	11.2	<1
19/03E-08H02	47 09 06	122 26 38	02	81-06-04	507	330.00	122	7.9	11.2	<1
19/03E-09G02	47 09 01	122 25 30	01	46-06-29	367	--	--	6.8	--	--
19/03E-17P02	47 07 43	122 26 32	01	74-08-23	77	--	170	6.7	11.8	--
				74-11-21	77	--	146	7.0	11.0	--
				75-02-13	77	--	137	6.8	9.8	--
				75-05-29	77	--	130	6.5	10.1	--
19/03E-18M01	47 07 55	122 28 31	01	48-05-27	550	315.00	110	7.1	10.0	--
				49-07-21	550	--	113	7.5	11.0	--
				50-06-22	550	--	110	7.3	10.0	--
				51-01-05	550	--	106	7.7	10.0	--
				52-03-18	550	--	110	7.8	10.0	--
				52-12-10	550	--	110	7.3	10.5	--
				53-11-19	550	--	110	7.8	--	--
				54-11-05	550	--	114	7.5	12.0	--
				55-10-18	550	--	111	7.4	10.0	--
				56-12-10	550	--	111	7.2	11.0	--
				57-10-14	550	--	116	7.5	11.0	--
				58-11-05	550	--	107	7.4	11.0	--
				59-11-12	550	--	113	7.8	10.0	--
				60-09-21	550	--	111	7.8	11.0	--
				61-09-20	550	--	111	7.6	13.0	--
				63-01-07	550	--	110	7.6	11.0	--
				63-10-22	550	--	110	7.4	10.0	--
				65-01-22	550	--	118	7.4	9.0	--
				65-09-24	550	--	109	7.4	12.0	--
				66-10-31	550	--	114	7.1	11.0	--
				68-02-20	550	--	116	7.8	12.0	--
				69-05-07	550	--	112	7.8	11.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/03E-05K01	74-08-28	77	36	16	9.1	9.2	20	.5	2.8	50
	74-11-21	72	31	16	7.9	9.3	21	.5	1.8	50
	75-02-13	75	35	16	8.5	8.7	20	.4	1.8	49
	75-05-29	72	29	15	8.4	8.8	20	.5	1.8	52
	81-05-28	79	36	17	8.9	9.6	20	.5	1.9	--
19/03E-07M01	65-09-22	47	0	9.2	5.8	6.5	22	.4	2.5	69
19/03E-07M02	65-09-23	57	0	16	4.2	6.1	18	.4	2.9	78
19/03E-08H01	74-08-22	58	8	12	6.8	5.7	17	.3	2.7	61
	74-11-21	47	0	12	4.2	5.7	20	.4	2.2	51
	75-02-13	46	0	11	4.5	5.3	19	.4	1.8	51
	75-05-29	48	0	11	4.9	5.5	19	.4	1.9	62
	81-06-04	48	0	11	5.0	6.2	21	.4	1.9	--
19/03E-08H02	81-06-04	47	0	8.8	6.0	6.7	23	.4	1.4	--
19/03E-09G02	66-06-29	33	0	6.6	4.0	--	--	--	--	--
19/03E-17P02	74-08-23	62	12	17	4.8	2.1	7	.1	1.3	41
	74-11-21	51	4	13	4.5	7.6	24	.5	1.5	51
	75-02-13	43	5	12	3.2	6.1	23	.4	1.2	57
	75-05-29	50	5	13	4.2	6.4	21	.4	1.3	46
19/03E-18M01	48-05-27	39	0	7.8	4.8	--	--	--	--	55
	49-07-21	38	0	8.0	4.4	--	--	--	--	45
	50-06-22	38	0	7.8	4.6	7.4	28	.5	1.8	59
	51-01-05	38	0	7.3	4.7	7.6	28	.6	4.2	46
	52-03-18	40	0	7.8	5.0	7.6	28	.5	1.6	46
	52-12-10	39	0	7.6	4.9	7.2	27	.5	1.7	68
	53-11-19	40	0	7.6	5.0	7.8	29	.6	1.7	64
	54-11-05	46	0	9.0	5.8	6.8	23	.4	1.6	56
	55-10-18	37	0	7.7	4.4	7.9	30	.6	1.8	56
	56-12-10	39	0	7.7	4.8	8.0	30	.6	1.5	64
	57-10-14	45	0	8.7	5.7	7.3	25	.5	1.5	65
	58-11-05	39	0	8.5	4.2	7.2	28	.5	1.5	65
	59-11-12	38	0	8.0	4.4	7.4	29	.5	1.6	64
	60-09-21	38	0	8.0	4.4	7.8	30	.6	1.8	64
	61-09-20	41	0	10	3.9	7.2	27	.5	1.6	63
	63-01-07	39	0	8.5	4.4	7.5	28	.5	1.7	65
	63-10-22	41	0	8.5	4.7	7.4	27	.5	1.8	64
	65-01-22	42	0	9.5	4.4	6.6	24	.5	2.2	65
	65-09-24	38	0	7.7	4.8	7.3	28	.5	1.8	67
	66-10-31	43	0	9.1	4.9	7.3	26	.5	1.5	63
	68-02-20	41	0	8.1	5.0	7.4	27	.5	1.7	64
	69-05-07	39	0	7.9	4.8	7.9	29	.6	1.7	66

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
19/03E-05K01	74-08-28	--	--	41	--	16	11	<.1	--	127
	74-11-21	--	--	41	--	15	11	<.1	--	140
	75-02-13	--	--	40	--	15	10	<.1	--	133
	75-05-29	0	--	43	--	15	9.3	<.1	--	142
	81-05-28	--	--	--	43	18	9.1	.0	21	--
19/03E-07M01	65-09-22	0	--	57	--	5.0	2.2	.2	30	94
19/03E-07M02	65-09-23	0	--	64	--	6.8	3.0	.2	27	96
19/03E-08H01	74-08-22	--	--	50	--	4.4	2.7	.1	--	83
	74-11-21	--	--	50	--	2.9	2.3	.1	--	93
	75-02-13	--	--	50	--	3.3	2.5	.1	--	96
	75-05-29	0	--	51	--	2.7	2.7	.1	--	97
	81-06-04	--	--	--	51	3.2	3.4	.1	29	--
19/03E-08H02	81-06-04	--	--	--	60	1.0	1.6	.1	36	--
19/03E-09S02	66-06-29	--	--	34	--	5.9	6.5	--	20	85
19/03E-17R02	74-08-23	--	--	50	--	8.1	5.8	<.1	--	103
	74-11-21	--	--	47	--	6.2	4.7	<.1	--	100
	75-02-13	--	--	38	--	6.8	4.8	<.1	--	90
	75-05-29	0	--	45	--	7.1	4.4	.1	--	100
19/03E-18M01	48-05-27	0	--	53	--	2.5	1.8	.1	49	103
	49-07-21	0	--	48	--	1.6	1.9	.2	48	104
	50-06-22	0	--	54	--	1.7	1.9	.2	46	103
	51-01-05	0	--	54	--	2.6	1.9	.4	47	101
	52-03-19	0	--	56	--	2.5	1.7	.2	44	104
	52-12-10	0	--	52	--	2.2	1.9	.1	43	107
	53-11-19	0	--	54	--	2.0	1.6	.2	46	99
	54-11-05	0	--	54	--	2.6	2.8	.1	41	107
	55-10-18	0	--	52	--	2.3	1.8	.1	37	99
	56-12-10	0	--	53	--	2.2	1.8	.1	41	97
	57-10-14	0	--	53	--	2.0	1.8	.1	--	99
	58-11-05	0	--	52	--	2.1	2.0	.1	44	101
	59-11-12	0	--	52	--	1.8	2.0	.0	37	98
	60-09-21	0	--	52	--	2.2	2.2	.2	43	101
	61-09-20	0	--	54	--	2.8	2.0	.2	42	105
	63-01-07	0	--	52	--	3.8	1.8	.3	44	103
	63-10-22	0	--	53	--	2.0	1.5	.2	43	101
	65-01-22	0	--	51	--	4.4	2.8	.2	32	95
	65-09-24	0	--	52	--	2.4	1.8	.3	40	95
	66-10-31	0	--	52	--	2.4	3.0	.3	40	98
	68-02-20	0	--	54	--	2.6	2.0	.2	42	112
	69-05-07	0	--	54	--	2.9	1.5	.1	43	94

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
19/03E-05K01	74-08-28	--	7.5	--	--	--	--	30	--	<10
	74-11-21	--	7.7	--	--	--	--	30	--	<10
	75-02-13	--	6.7	--	--	--	--	<10	--	<10
	75-05-29	--	7.2	--	--	--	--	30	--	<10
	81-05-28	111	--	--	--	6.3	--	<10	--	1
19/03E-07M01	65-09-22	95	--	.00	--	--	530	--	100	--
19/03E-07M02	65-09-23	105	--	.00	--	--	40	--	<50	--
19/03E-08H01	74-08-22	--	1.1	--	--	--	--	140	--	<10
	74-11-21	--	1.1	--	--	--	--	<10	--	<10
	75-02-13	--	1.1	--	--	--	--	20	--	<10
	75-05-29	--	1.2	--	--	--	--	<10	--	<10
	81-06-04	91	--	--	--	1.1	--	<10	--	1
19/03E-08H02	81-06-04	98	--	--	--	.00	--	40	--	100
19/03E-09G02	46-06-29	--	--	--	--	--	1300	--	--	--
19/03E-17R02	74-08-23	--	3.4	--	--	--	--	110	--	<10
	74-11-21	--	1.9	--	--	--	--	50	--	<10
	75-02-13	--	2.4	--	--	--	--	40	--	<10
	75-05-29	--	2.0	--	--	--	--	50	--	<10
19/03E-18M01	48-05-27	--	--	.00	--	--	30	--	--	--
	49-07-21	--	--	.00	--	--	40	--	--	--
	50-06-22	104	--	.10	--	--	50	--	--	--
	51-01-05	108	--	.20	--	--	20	--	--	--
	52-03-18	104	--	.10	--	--	60	--	--	--
	52-12-10	100	--	.00	--	--	40	--	--	--
	53-11-19	104	--	.20	--	--	80	--	--	--
	54-11-05	102	--	.30	--	--	90	--	--	--
	55-10-18	94	--	.40	--	--	30	--	--	--
	56-12-10	99	--	.10	--	--	10	--	--	--
	57-10-14	--	--	.20	--	--	<10	--	--	--
	58-11-05	101	--	.20	--	--	50	--	--	--
	59-11-12	94	--	.00	--	--	10	--	--	--
	60-09-21	101	--	.20	--	--	50	--	--	--
	61-09-20	102	--	.30	--	--	10	--	--	--
	63-01-07	103	--	.10	--	--	50	--	100	--
	63-10-22	101	--	.10	--	--	<10	--	<50	--
	65-01-22	93	--	.60	--	--	60	--	100	--
	65-09-24	97	--	.00	--	--	20	--	100	--
	66-10-31	100	--	.20	--	--	370	--	350	--
	69-02-20	101	--	.20	--	--	20	--	60	--
	69-05-07	102	--	.00	--	--	30	--	<10	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
19/03E-19H01	47 07 18	122 27 55	01	63-01-07	97	--	125	7.6	10.0	--
				63-10-23	97	--	160	7.4	10.0	--
				65-01-22	97	--	114	7.6	7.8	--
				65-09-22	97	--	--	7.4	--	--
				66-11-01	97	--	142	7.8	11.1	--
				68-02-20	97	--	118	7.8	11.0	--
				69-05-07	97	--	131	7.4	11.0	--
19/03E-21J07	47 07 17	122 25 25	01	81-05-28	313	355.00	143	7.0	9.5	<1
19/03E-27D08	47 06 39	122 25 21	01	81-06-04	40	360.00	140	6.6	12.2	<1
19/04E-16E01	47 08 08	122 31 15	01	81-06-02	300	450.00	167	7.2	10.4	<1
19/04E-20E02	47 07 13	122 19 55	01	81-06-12	117	350.00	217	7.3	9.7	<1
19/04E-25K01S	47 06 08	122 14 19	01	81-06-11	--	180.00	94	7.3	9.4	K16
19/04E-26G01	47 06 18	122 15 25	01	81-06-02	369	607.00	125	7.8	9.6	<1
19/04E-30K01	47 06 23	122 20 02	01	81-06-12	73	360.00	137	7.1	12.6	<1
19/04E-31A01	47 05 47	122 20 15	01	81-06-11	180	465.00	154	7.7	15.8	<1
19/05E-06C02	47 10 09	122 13 15	01	81-09-24	240	85.00	197	7.5	11.0	<1
19/05E-32J02	47 05 09	122 11 27	01	62-12-13	250	220.00	341	7.8	10.0	--
				81-08-20	250	220.00	332	7.5	10.5	<1
19/06E-04M01	47 09 40	122 03 19	01	59-12-18	305	690.00	209	6.8	10.5	--
19/06E-18L01S	47 07 56	122 05 34	01	46-00-00	--	--	--	7.8	--	--
20/01W-01M01	47 15 02	122 44 16	01	81-07-08	118	40.00	203	8.0	12.0	<1
20/01W-11C01	47 14 32	122 45 12	01	61-03-01	224	220.00	111	7.2	9.5	--
20/01W-24F01	47 12 27	122 45 06	01	61-03-01	285	75.00	250	7.8	9.5	--
20/02E-09C01	47 14 24	122 33 31	01	38-11-04	325	10.00	--	--	11.0	--
20/02E-11M01	47 13 56	122 31 26	01	70-12-14	257	--	159	7.2	6.7	--
20/02E-13J01	47 13 05	122 29 03	01	52-11-04	151	--	--	7.5	--	--
20/02E-13J02	47 13 06	122 29 00	01	60-03-22	113	269.00	212	7.2	13.5	--
				60-10-25	113	--	212	7.1	12.0	--
				74-08-23	113	269.00	297	7.0	11.2	--
				74-11-21	113	--	285	6.9	10.2	--
				75-02-13	113	--	288	7.0	11.0	--
				75-05-29	113	--	305	6.8	10.8	--
20/02E-15C01	47 13 30	122 32 22	01	60-06-21	288	400.00	122	7.0	13.5	--
20/02E-20K01S	47 12 13	122 34 30	01	74-09-09	--	--	135	7.0	14.0	--
				74-11-22	--	--	103	7.4	10.5	--
				75-02-14	--	--	135	7.0	8.5	--
				75-05-28	--	--	116	7.2	13.6	--
20/02E-22N03	47 12 09	122 32 42	01	74-08-29	150	--	144	7.4	10.4	--
				74-11-22	150	--	141	7.4	10.8	--
				75-02-14	150	--	140	7.1	11.5	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
19/03E-19H01	63-01-07	39	0	12	2.3	9.5	33	.7	2.7	55
	63-10-23	39	0	10	3.5	18	48	1.3	2.5	70
	65-01-22	39	0	11	2.8	7.3	27	.5	2.7	64
	65-09-22	40	0	11	3.1	9.7	33	.7	2.6	64
	66-11-01	42	0	12	2.9	12	36	.8	4.0	65
	68-02-20	41	0	12	2.8	7.3	26	.5	2.4	64
	69-05-07	39	0	10	3.5	11	36	.8	2.4	55
19/03E-21J07	81-05-28	37	17	14	5.3	5.6	17	.3	1.5	--
19/03E-27D08	81-06-04	50	17	12	4.8	6.4	21	.4	1.1	--
19/04E-16E01	81-06-02	65	3	14	7.2	5.6	15	.3	1.7	--
19/04E-20F02	81-06-12	94	7	21	10	6.0	12	.3	2.2	--
19/04E-25K01S	81-06-11	36	0	8.3	3.8	4.6	21	.3	1.2	--
19/04E-26S01	81-06-02	46	0	10	5.0	5.5	20	.4	2.5	--
19/04E-30K01	81-06-12	51	4	10	6.4	4.6	16	.3	1.5	--
19/04E-31A01	81-06-11	58	13	12	6.8	5.2	16	.3	1.9	--
19/05E-06C02	81-08-24	70	0	18	6.0	11	25	.6	2.9	--
19/05E-32J02	62-12-13	153	1	42	14	11	13	.4	2.8	198
	81-08-20	151	0	39	13	9.7	12	.4	3.4	--
19/06E-04M01	59-12-18	92	0	22	9.1	7.0	14	.3	1.4	112
19/06E-18L01S	46-00-00	28	0	8.0	2.0	--	--	--	--	39
20/01W-01M01	81-07-08	76	0	17	8.1	10	22	.5	2.3	--
20/01W-11C01	61-03-01	45	0	7.5	6.5	4.5	17	.3	.8	64
20/01W-24F01	61-03-01	106	0	30	7.6	10	16	.4	4.9	156
20/02E-09C01	38-11-04	51	0	10	6.4	16	39	1.0	2.2	101
20/02E-11M01	70-12-14	59	0	12	7.1	7.4	21	.4	2.2	72
20/02E-13J01	52-11-04	91	45	9.9	16	--	--	--	--	56
20/02E-13J02	60-03-22	91	15	16	10	8.0	17	.4	1.7	80
	60-10-25	85	21	16	11	7.1	15	.3	1.7	78
	74-08-23	113	35	22	14	12	18	.5	2.3	95
	74-11-21	113	35	22	14	12	18	.5	2.5	95
	75-02-13	108	30	20	14	12	19	.5	2.4	95
	75-05-29	117	37	22	15	13	19	.5	2.4	97
20/02E-15C01	60-06-21	49	4	8.0	7.1	5.0	18	.3	1.2	55
20/02E-20K01S	74-09-09	55	15	11	6.7	5.2	17	.3	1.5	49
	74-11-22	40	14	8.2	4.9	4.3	18	.3	.9	32
	75-02-14	28	5	5.0	3.7	3.1	19	.3	1.1	28
	75-05-28	48	13	9.7	5.8	4.5	16	.3	1.3	43
20/02E-22N03	74-08-29	56	4	7.3	9.1	5.6	17	.3	2.2	64
	74-11-22	54	2	7.7	8.4	6.8	21	.4	2.0	63
	75-02-14	41	8	10	8.8	5.4	16	.3	1.9	44

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
				PIEDCE						
19/03E-19H01	63-01-07	0	--	53	--	3.6	4.2	.2	33	98
	63-10-23	0	--	57	--	3.8	14	.1	33	119
	65-01-22	0	--	52	--	3.6	2.0	.3	31	92
	65-09-22	0	--	52	--	4.2	5.2	.2	32	98
	66-11-01	0	--	53	--	3.8	10	.3	30	109
	68-02-20	0	--	52	--	3.6	3.0	.2	33	96
	69-05-07	0	--	53	--	3.7	6.6	.2	33	104
19/03E-21J07	81-05-28	--	--	--	40	9.7	6.3	.1	30	--
19/03E-27D08	81-06-04	--	--	--	33	6.0	5.1	.0	21	--
19/04E-16E01	81-06-02	--	--	--	62	5.1	5.7	.1	27	--
19/04E-20E02	81-06-12	--	--	--	87	7.0	4.2	.1	29	--
19/04E-25K01S	81-06-11	--	--	--	36	.8	1.9	.1	30	--
19/04E-26G01	81-06-02	--	--	--	57	1.0	1.7	.1	44	--
19/04E-30K01	81-06-12	--	--	--	47	11	2.8	.1	27	--
19/04E-31A01	81-06-11	--	--	--	45	14	3.2	.0	25	--
19/05E-06C02	81-08-24	--	--	--	82	1.0	5.7	.2	41	--
19/05E-32J02	62-12-13	0	--	142	--	19	2.8	.2	35	--
	81-08-20	--	--	--	160	<1.0	3.2	.2	39	--
19/06E-04M01	59-12-18	0	--	92	--	10	3.5	.3	39	140
19/06E-18L01S	46-00-00	--	--	32	--	.0	9.0	--	15	55
20/01W-01H01	81-07-08	--	--	--	93	4.6	4.4	.1	30	--
20/01W-11C01	61-03-01	0	--	52	--	.2	2.5	.1	32	83
20/01W-24E01	61-03-01	0	--	128	--	.4	2.8	.1	41	171
20/02E-09C01	39-11-04	0	--	83	--	.4	1.9	.2	51	141
20/02E-11M01	70-12-14	0	--	59	--	10	3.5	.9	34	112
20/02E-13J01	52-11-04	--	--	46	--	.0	5.7	.2	22	105
20/02E-13J02	60-03-22	0	--	66	--	18	7.2	.1	28	147
	60-10-25	0	--	64	--	17	9.5	.1	28	138
	74-08-23	--	--	78	--	20	25	<.1	--	172
	74-11-21	--	--	78	--	19	20	<.1	--	173
	75-02-13	--	--	78	--	20	23	<.1	--	179
	75-05-29	0	--	80	--	23	28	.1	--	187
20/02E-15C01	60-06-21	0	--	45	--	7.8	3.5	.1	32	90
20/02E-20K01S	74-09-09	--	--	40	--	16	4.9	.1	--	87
	74-11-22	--	--	26	--	13	2.0	<.1	--	78
	75-02-14	--	--	23	--	12	1.8	<.1	--	67
	75-05-28	0	--	35	--	15	2.4	.1	--	93
20/02E-22N03	74-08-29	--	--	52	--	12	2.7	.1	--	98
	74-11-22	--	--	52	--	12	2.5	.1	--	102
	75-02-14	--	--	53	--	12	2.8	.1	--	101

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
19/03E-19H01	63-01-07	99	--	.10	--	--	600	--	<20	--
	63-10-23	119	--	.30	--	--	350	--	<20	--
	65-01-22	92	--	.10	--	--	470	--	200	--
	65-09-22	99	--	.10	--	--	460	--	200	--
	66-11-01	107	--	.20	--	--	920	--	190	--
	68-02-20	96	--	.10	--	--	690	--	250	--
	69-05-07	102	--	.00	--	--	250	--	170	--
19/03E-21J07	81-05-28	96	--	--	--	1.9	--	<10	--	2
19/03E-27D08	81-06-04	76	--	--	--	4.0	--	30	--	8
19/04E-16E01	81-06-02	107	--	--	--	.80	--	20	--	5
19/04E-20E02	81-06-12	132	--	--	--	.58	--	20	--	3
19/04E-25K01S	81-06-11	73	--	--	--	.31	--	50	--	6
19/04E-26G01	81-06-02	104	--	--	--	.00	--	50	--	3
19/04E-30K01	81-06-12	92	--	--	--	.83	--	20	--	1
19/04E-31A01	81-06-11	95	--	--	--	1.4	--	30	--	90
19/05E-06C02	81-09-24	135	--	--	--	.14	--	31	--	13
19/05E-32J02	62-12-13	224	--	.10	--	--	160	--	--	--
	81-08-20	205	--	--	--	.10	--	67	--	640
19/06E-04M01	59-12-18	147	--	.10	--	--	80	--	--	--
19/06E-18L01S	46-00-00	--	--	--	--	--	--	--	--	--
20/01W-01H01	81-07-08	133	--	--	--	.15	--	50	--	40
20/01W-11C01	61-03-01	86	--	.60	--	--	260	--	--	--
20/01W-24F01	61-03-01	174	--	.70	--	--	130	--	--	--
20/02E-09C01	38-11-04	138	--	.80	--	--	280	--	--	--
20/02E-11M01	70-12-14	113	--	2.1	--	--	930	--	100	--
20/02E-13J01	52-11-04	--	--	4.4	--	--	50	--	--	--
20/02E-13J02	60-03-22	128	--	10	--	--	<10	--	--	--
	60-10-25	129	--	9.2	--	--	40	--	--	--
	74-08-23	--	2.4	--	--	--	--	50	--	<10
	74-11-21	--	2.5	--	--	--	--	<10	--	<10
	75-02-13	--	2.3	--	--	--	--	<10	--	<10
	75-05-29	--	2.0	--	--	--	--	<10	--	<10
20/02E-15C01	60-06-21	92	--	2.1	--	--	100	--	--	--
20/02E-20K01S	74-09-09	--	1.4	--	--	--	--	50	--	<10
	74-11-22	--	.74	--	--	--	--	<10	--	<10
	75-02-14	--	.49	--	--	--	--	<10	--	<10
	75-05-28	--	1.1	--	--	--	--	20	--	<10
20/02E-22N03	74-08-29	--	.14	--	--	--	--	40	--	90
	74-11-22	--	.00	--	--	--	--	70	--	60
	75-02-14	--	.04	--	--	--	--	40	--	70

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
20/02E-22N03	47 12 09	122 32 42	01	75-05-28	150	--	135	7.1	10.9	--
20/02E-24A02	47 12 46	122 29 13	01	46-00-00	196	--	--	7.2	--	--
20/02E-25F01	47 11 38	122 30 06	01	91-07-09	224	250.00	187	7.6	11.4	<1
20/02E-25P02	47 11 06	122 29 50	01	74-08-22	60	247.00	262	6.8	12.0	--
				74-11-22	60	--	260	7.2	11.6	--
				75-02-14	60	--	253	7.0	11.7	--
				75-05-28	60	--	237	6.8	11.8	--
20/02E-26G01	47 11 37	122 30 47	01	81-07-17	157	242.00	100	7.7	11.0	3
20/02E-27Q01S	47 11 10	122 32 05	01	74-08-22	--	--	145	7.0	12.1	--
				74-11-22	--	--	141	6.9	12.6	--
				75-02-14	--	--	143	6.4	13.0	--
				75-05-30	--	--	140	6.6	11.9	--
20/02E-29Q01	47 11 06	122 34 28	01	38-10-01	275	19.00	--	--	10.5	--
20/02E-29Q02	47 11 07	122 34 27	01	38-10-01	854	14.00	--	--	11.5	--
20/02E-32R01	47 11 04	122 34 32	01	38-10-01	1172	22.00	--	--	12.0	--
20/02E-32N01	47 10 23	122 35 02	01	74-08-26	72	--	238	7.3	10.0	--
				74-11-22	72	--	231	7.4	10.2	--
				75-02-14	72	--	225	7.1	10.2	--
				75-05-28	72	--	215	7.1	10.3	--
20/02E-33C01	47 10 53	122 33 43	01	70-10-23	337	--	218	7.3	11.8	--
20/02E-33E01S	47 10 50	122 34 04	01	38-10-04	--	--	--	--	12.0	--
				74-08-22	--	--	147	6.8	12.2	--
				74-11-22	--	--	151	6.9	12.2	--
				75-02-14	--	--	160	6.3	11.3	--
				75-05-28	--	--	143	6.4	12.3	--
20/02E-34E01	47 10 46	122 33 33	01	50-07-31	287	--	--	7.6	--	--
				55-12-23	287	--	--	7.2	--	--
20/03E-04J02	47 14 41	122 25 19	01	46-10-24	705	--	191	--	--	--
20/03E-12J01	47 14 00	122 21 27	01	81-08-24	90	15.00	485	7.0	11.7	<1
20/03E-13C02	47 13 38	122 22 17	01	81-08-20	153	10.00	180	7.4	11.7	<1
20/03E-13D01	47 13 02	122 21 55	01	81-08-24	15	20.00	143	7.2	11.1	<1
20/03E-18N03	47 13 35	122 29 52	01	52-04-21	113	280.00	131	7.3	10.0	--
20/03E-19E01	47 12 32	122 29 30	01	39-01-04	352	--	--	7.1	--	--
20/03E-19E02	47 12 30	122 29 31	01	39-01-04	310	--	--	--	8.9	--
20/03E-19P01	47 12 05	122 29 30	01	31-10-27	310	--	--	--	--	--
				39-01-04	310	--	--	--	9.0	--
20/03E-30N01	47 11 15	122 29 51	01	39-01-04	325	271.00	--	--	--	--
20/03E-31E01	47 10 46	122 29 30	01	50-12-30	209	--	--	7.3	--	--
20/03E-31E02	47 10 46	122 29 27	01	55-12-23	159	--	--	7.2	--	--
20/04E-05G01	47 15 00	122 19 23	01	70-10-22	75	--	272	7.2	11.8	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
20/02E-22N03	75-05-28	53	0	7.6	8.2	6.5	20	.4	2.0	64
20/02E-24A02	46-00-00	39	0	9.0	4.0	--	--	--	--	64
20/02E-25E01	81-07-09	78	18	18	8.0	6.5	15	.3	1.3	--
20/02E-25P02	74-08-22	80	0	24	4.9	11	21	.6	9.3	97
	74-11-22	107	30	23	12	7.9	13	.3	2.7	94
	75-02-14	104	29	22	12	6.9	12	.3	2.6	91
	75-05-28	98	27	21	11	7.3	14	.3	2.5	86
20/02E-26G01	81-07-17	37	0	7.4	4.4	6.1	26	.5	1.7	--
20/02E-27Q01S	74-08-22	51	7	13	4.6	6.8	19	.4	9.3	54
	74-11-22	51	6	13	4.6	7.1	23	.4	1.1	55
	75-02-14	51	7	13	4.6	6.8	22	.4	1.2	54
	75-05-30	53	10	13	5.0	7.0	22	.4	1.1	53
20/02E-29Q01	38-10-01	69	0	18	5.8	10	23	.5	3.9	108
20/02E-29Q02	38-10-01	55	0	12	6.2	7.6	22	.5	1.6	94
20/02E-32R01	38-10-01	52	0	11	5.9	9.2	27	.6	1.8	84
20/02E-32N01	74-08-26	69	0	16	7.0	18	33	1.0	9.3	138
	74-11-22	64	0	15	6.5	17	35	1.0	3.1	133
	75-02-14	63	0	14	6.8	17	36	1.0	3.0	125
	75-05-28	64	0	15	6.5	16	34	.9	2.9	106
20/02E-33C01	70-10-23	86	17	20	8.8	7.3	15	.4	2.6	84
20/02E-33E01S	38-10-04	35	0	8.4	3.4	5.0	23	.4	1.4	46
	74-08-22	63	18	14	6.7	6.8	18	.4	4.6	55
	74-11-22	55	7	14	4.8	7.3	22	.4	1.0	58
	75-02-14	63	19	17	4.9	6.7	19	.4	1.2	54
	75-05-28	62	15	16	5.4	7.2	20	.4	1.3	57
20/02E-34E01	50-07-31	45	0	8.4	5.8	--	--	--	--	62
	55-12-23	40	0	9.4	4.6	--	--	--	--	66
20/03E-04J02	46-10-24	58	0	--	--	--	--	--	--	78
20/03E-12J01	81-08-24	136	0	23	24	21	22	.7	7.8	--
20/03E-13C02	81-08-20	49	0	10	5.8	16	40	1.0	2.7	--
20/03E-13N01	81-08-24	56	0	12	6.3	5.1	16	.3	1.6	--
20/03E-18D03	52-04-21	55	11	8.8	8.0	5.5	18	.3	1.2	54
20/03E-19F01	39-01-04	55	7	11	6.7	4.9	16	.3	1.4	58
20/03E-19F02	39-01-04	34	5	7.2	4.0	3.4	17	.3	1.2	35
20/03E-19P01	31-10-27	38	7	7.9	4.4	4.1	18	.3	1.4	38
	39-01-04	34	5	7.2	4.0	3.4	17	.3	1.2	35
20/03E-30N01	39-01-04	42	0	8.9	4.8	4.2	17	.3	.9	54
20/03E-31F01	50-12-30	42	1	8.1	5.3	--	--	--	--	50
20/03E-31F02	55-12-23	48	0	9.6	5.8	--	--	--	--	62
20/04E-05G01	70-10-22	108	14	22	13	11	18	.5	2.0	115

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				PIERCE						
20/02E-22N03	75-05-28	0	--	53	--	13	2.7	.1	--	105
20/02F-24A02	46-00-00	--	--	52	--	.0	10	--	22	70
20/02E-25E01	81-07-09	--	--	--	60	14	6.3	.1	28	--
20/02E-25P02	74-08-22	--	--	80	--	20	12	<.1	--	159
	74-11-22	--	--	77	--	20	10	<.1	--	163
	75-02-14	--	--	75	--	20	11	<.1	--	164
	75-05-28	0	--	71	--	21	10	<.1	--	159
20/02E-26G01	81-07-17	--	--	--	40	<1.0	2.3	.1	43	--
20/02F-27Q01S	74-08-22	--	--	44	--	8.6	5.9	<.1	--	76
	74-11-22	--	--	45	--	7.3	5.3	<.1	--	94
	75-02-14	--	--	44	--	9.4	5.8	<.1	--	97
	75-05-30	0	--	43	--	8.6	5.9	.1	--	97
20/02E-29Q01	38-10-01	0	--	89	--	1.2	2.8	.0	45	142
20/02E-29Q02	38-10-01	0	--	69	--	2.1	2.2	.0	46	121
20/02F-32R01	38-10-01	0	--	69	--	1.8	2.0	.0	50	126
20/02E-32N01	74-08-26	--	--	113	--	1.8	4.9	.3	--	153
	74-11-22	--	--	109	--	1.6	4.3	.2	--	155
	75-02-14	--	--	103	--	2.1	3.9	.2	--	155
	75-05-28	0	--	87	--	1.9	3.8	.3	--	153
20/02E-33C01	70-10-23	0	--	69	--	15	6.4	.0	27	152
20/02F-33E01S	38-10-04	0	--	38	--	4.1	3.0	.0	19	66
	74-08-22	--	--	45	--	9.7	6.3	<.1	--	82
	74-11-22	--	--	48	--	8.6	5.7	<.1	--	95
	75-02-14	--	--	44	--	10	7.0	<.1	--	102
	75-05-28	0	--	47	--	12	5.8	.1	--	102
20/02E-34E01	50-07-31	--	--	51	--	5.6	5.8	--	52	113
	55-12-23	--	--	54	--	4.6	7.5	--	45	110
20/03F-04J02	46-10-24	--	--	64	--	1.0	19	--	--	--
20/03E-12J01	81-08-24	--	--	--	170	17	6.9	.4	60	--
20/03E-13C02	81-08-20	--	--	--	82	1.0	1.8	.2	54	--
20/03F-13Q01	81-08-24	--	--	--	61	<5.0	3.4	.1	37	--
20/03E-18Q03	52-04-21	0	--	44	--	11	5.3	.1	31	100
20/03F-19F01	39-01-04	0	--	48	--	7.0	4.2	.3	28	94
20/03E-19F02	39-01-04	--	--	29	--	4.2	3.3	.0	24	70
20/03E-19P01	31-10-27	0	--	31	--	4.9	4.0	--	25	76
	39-01-04	0	--	29	--	4.2	3.3	.0	24	70
20/03F-30N01	39-01-04	0	--	44	--	2.8	2.6	.0	26	78
20/03E-31F01	50-12-30	--	--	41	--	6.1	6.4	.0	29	96
20/03F-31F02	55-12-23	--	--	51	--	4.8	8.2	--	33	92
20/04E-05G01	70-10-22	0	--	94	--	13	10	.1	34	149

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
20/02E-22N03	75-05-28	--	.03	--	--	--	--	60	--	80
20/02E-24A02	46-00-00	--	--	--	--	--	2000	--	--	--
20/02E-25E01	81-07-09	118	--	--	--	1.3	--	10	--	7
20/02E-25P02	74-08-22	--	3.4	--	--	--	--	<10	--	<10
	74-11-22	--	3.5	--	--	--	--	<10	--	<10
	75-02-14	--	3.2	--	--	--	--	<10	--	<10
	75-05-28	--	2.9	--	--	--	--	20	--	<10
20/02E-26G01	81-07-17	90	--	--	--	.03	--	190	--	60
20/02E-27Q01S	74-08-22	--	1.7	--	--	--	--	<10	--	<10
	74-11-22	--	1.3	--	--	--	--	<10	--	<10
	75-02-14	--	1.6	--	--	--	--	<10	--	<10
	75-05-30	--	1.7	--	--	--	--	<10	--	<10
20/02E-29Q01	38-10-01	140	--	.40	--	--	70	--	--	--
20/02E-29Q02	38-10-01	119	--	.00	--	--	70	--	--	--
20/02E-32Q01	39-10-01	123	--	.00	--	--	40	--	--	--
20/02E-32N01	74-08-26	--	.09	--	--	--	--	1000	--	290
	74-11-22	--	.03	--	--	--	--	2400	--	250
	75-02-14	--	.02	--	--	--	--	1500	--	250
	75-05-28	--	.02	--	--	--	--	1700	--	270
20/02E-33C01	70-10-23	128	--	14	--	--	50	--	<20	--
20/02E-33E01S	38-10-04	67	--	.50	--	--	10	--	--	--
	74-08-22	--	1.6	--	--	--	--	<10	--	<10
	74-11-22	--	1.5	--	--	--	--	<10	--	<10
	75-02-14	--	2.5	--	--	--	--	20	--	<10
	75-05-28	--	1.9	--	--	--	--	40	--	<10
20/02E-34E01	50-07-31	--	--	--	--	--	100	--	--	--
	55-12-23	--	--	.00	--	--	50	--	--	--
20/03E-04J02	46-10-24	--	--	--	--	--	70	--	--	--
20/03E-12J01	81-08-24	275	--	--	--	.00	--	12000	--	590
20/03E-13C02	81-08-20	141	--	--	--	.13	--	580	--	100
20/03E-13D01	81-08-24	97	--	--	--	.11	--	74	--	5
20/03E-18D03	52-04-21	97	--	4.3	--	--	110	--	--	--
20/03E-19E01	39-01-04	92	--	4.9	--	--	40	--	--	--
20/03E-19E02	39-01-04	65	--	6.0	--	--	40	--	--	--
20/03E-19P01	31-10-27	70	--	5.3	--	--	290	--	--	--
	39-01-04	65	--	6.0	--	--	40	--	--	--
20/03E-30N01	39-01-04	77	--	.90	--	--	60	--	--	--
20/03E-31E01	50-12-30	--	--	.10	--	--	150	--	--	--
20/03E-31E02	55-12-23	--	--	.00	--	--	40	--	--	--
20/04E-05G01	70-10-22	162	--	14	--	--	80	--	<20	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				PIERCE						
20/04E-06K01	47 14 49	122 20 37	01	81-08-20	166	10.00	267	7.5	11.9	<1
20/04E-10N01	47 13 54	122 17 28	01	70-10-22	258	--	166	7.2	9.8	--
20/04E-15N01	47 13 00	122 17 30	01	62-12-13	94	--	152	7.5	10.0	--
20/04E-17M01	47 13 07	122 19 53	01	81-08-20	390	25.00	287	7.6	10.8	<1
20/04E-20N02	47 12 04	122 20 07	01	81-08-24	144	30.00	192	7.3	11.9	<1
20/04E-21C03	47 12 47	122 19 24	01	91-08-24	244	40.00	285	7.7	10.9	<1
20/04E-23P01	47 12 12	122 15 46	01	81-08-20	285	60.00	225	7.5	11.2	<1
20/04E-24R02	47 12 18	122 14 50	01	59-12-02	456	60.00	303	7.4	12.5	--
20/04E-24F03	47 12 33	122 14 21	01	38-01-11	572	61.00	--	--	11.5	--
20/04E-32J01S	47 10 15	122 19 00	01	36-10-20	--	--	--	--	--	--
				38-01-11	--	--	--	--	8.0	--
20/05E-18Q01S	47 12 56	122 12 59	01	44-00-00	--	--	--	--	--	--
20/05E-28N01	47 11 11	122 10 58	01	62-12-14	417	--	128	7.5	10.0	--
21/01E-02N01	47 19 58	122 39 03	01	81-07-02	217	65.00	152	7.8	11.8	<1
21/01E-12D02	47 19 46	122 37 47	01	81-07-02	71	300.00	132	6.7	13.0	<1
21/01E-12D03	47 19 43	122 37 32	01	81-07-02	258	320.00	108	7.4	11.0	<1
21/01E-35D01	47 16 09	122 38 57	01	61-03-01	432	25.00	258	7.7	10.5	--
21/01W-02C01	47 20 38	122 45 14	01	61-03-01	115	50.00	125	7.6	9.5	--
21/02E-08C01	47 19 47	122 34 52	01	61-03-02	375	60.00	141	7.8	10.0	--
21/03E-16N01	47 18 16	122 25 13	01	59-12-03	207	90.00	2040	6.9	10.0	--
				60-06-02	207	--	3550	6.6	11.5	--
				60-10-31	207	--	3050	7.1	11.0	--
21/03E-26N01	47 17 25	122 23 07	01	38-01-13	785	11.00	--	--	12.0	--
				44-12-29	785	--	368	--	--	--
21/03E-26Q01	47 16 23	122 23 02	01	30-02-06	450	--	--	--	--	--
21/03E-35R01	47 16 17	122 23 02	01	59-12-18	856	7.00	350	7.8	17.0	--
21/03E-36P01	47 15 34	122 21 53	01	42-06-00	824	--	--	7.9	--	--
22/01E-15Q01	47 23 30	122 39 41	01	81-07-02	260	280.00	138	7.9	17.0	<1
22/01E-16N01	47 23 24	122 41 35	01	81-07-02	55	100.00	110	7.3	10.4	<1
22/02E-20E04	47 22 57	122 35 14	01	81-07-08	100	290.00	97	6.7	9.4	<1

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				PIERCE						
20/04E-06K01	81-08-20	74	0	18	7.0	28	44	1.5	4.1	--
20/04E-10N01	70-10-22	63	5	13	7.4	6.4	18	.4	1.8	71
20/04E-15N01	62-12-13	64	0	15	6.4	6.0	17	.3	1.7	84
20/04E-17M01	81-08-20	109	0	27	10	17	24	.7	4.5	--
20/04E-20N02	81-08-24	59	0	14	5.9	14	33	.8	2.8	--
20/04E-21C03	81-08-24	102	0	27	8.3	19	28	.8	4.0	--
20/04E-23P01	81-08-20	95	0	25	8.0	9.4	17	.4	3.2	--
20/04E-24B02	59-12-02	67	0	18	5.3	42	55	2.3	5.2	185
20/04E-24F03	38-01-11	71	0	18	6.3	59	63	3.2	4.3	222
20/04E-32J01S	36-10-20	50	0	9.4	6.4	--	--	--	--	61
	38-01-11	46	0	9.2	5.7	4.5	17	.3	1.6	59
20/05E-18Q01S	44-00-00	56	0	14	5.0	--	--	--	--	73
20/05E-28N01	62-12-14	51	0	12	5.1	6.4	21	.4	1.7	75
21/01E-02N01	81-07-02	50	0	12	7.2	7.7	21	.4	2.5	--
21/01E-12D02	81-07-02	58	17	14	5.6	6.6	20	.4	.6	--
21/01E-12D03	81-07-02	47	0	8.5	6.2	4.9	18	.3	.8	--
21/01E-35D01	61-03-01	114	0	21	15	10	16	.4	3.4	163
21/01W-02C01	61-03-01	52	0	11	5.9	5.5	19	.3	.2	73
21/02E-08C01	61-03-02	58	0	12	6.9	5.5	16	.3	1.8	83
21/03E-16N01	59-12-03	277	202	40	43	306	70	8.2	3.5	92
	60-06-02	468	400	54	81	572	72	12	5.1	83
	60-10-31	430	357	50	74	484	71	10	4.1	89
21/03E-26N01	38-01-13	65	0	16	6.1	51	62	2.8	2.4	198
	44-12-29	80	0	21	6.6	53	58	2.7	2.2	199
21/03E-26Q01	30-02-06	59	0	11	10	--	--	--	--	230
21/03E-35R01	59-12-18	50	0	16	2.5	58	70	3.7	3.4	193
21/03E-36P01	42-06-00	81	0	21	7.0	--	--	--	--	190
22/01E-15Q01	81-07-02	35	0	8.6	3.3	16	49	1.2	1.0	--
22/01E-16N01	81-07-02	47	0	9.6	5.7	4.4	17	.3	.6	--
22/02E-20E04	81-07-08	42	4	9.5	4.4	4.6	19	.3	.6	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
				PIERCE						
20/04E-06K01	81-08-20	--	--	--	120	1.0	6.5	.2	46	--
20/04E-10N01	70-10-22	0	--	58	--	6.8	5.2	.1	29	121
20/04E-15N01	62-12-13	0	--	69	--	5.0	2.8	.1	39	--
20/04E-17N01	81-08-20	--	--	--	140	<1.0	4.7	.2	45	--
20/04E-20N02	81-08-24	--	--	--	85	1.0	4.5	.2	49	--
20/04E-21C03	81-08-24	--	--	--	130	1.0	8.6	.2	43	--
20/04E-23P01	81-08-20	--	--	--	100	<5.0	4.9	.1	40	--
20/04E-24R02	59-12-02	0	--	152	--	.9	7.5	.3	45	214
20/04E-24F03	38-01-11	0	--	182	--	1.8	13	.0	44	255
20/04E-32J01S	36-10-20	--	--	50	--	3.4	2.0	--	30	830
	38-01-11	0	--	48	--	4.2	2.1	.0	30	83
20/05E-19Q01S	44-00-00	--	--	50	--	.0	5.0	--	19	96
20/05E-28N01	62-12-14	0	--	62	--	3.6	2.0	.1	42	--
21/01E-02N01	81-07-02	--	--	--	71	.5	2.3	.1	39	--
21/01E-12D02	81-07-02	--	--	--	41	7.0	6.0	.0	31	--
21/01E-12D03	81-07-02	--	--	--	54	.2	3.0	.0	33	--
21/01E-35J01	61-03-01	0	--	134	--	.4	4.5	.1	41	168
21/01W-02C01	61-03-01	0	--	60	--	.0	3.5	.1	28	83
21/02E-08C01	61-03-02	0	--	68	--	.4	2.2	.1	34	99
21/03E-16N01	59-12-03	0	--	75	--	103	535	.3	39	1190
	60-06-02	0	--	68	--	174	1050	.1	41	2100
	60-10-31	0	--	73	--	146	880	.5	39	1750
21/03E-26N01	38-01-13	5	--	163	--	1.5	12	.0	32	215
	44-12-29	0	--	163	--	1.6	17	.2	39	246
21/03E-26Q01	30-02-06	--	--	189	--	.5	92	--	46	--
21/03E-35R01	59-12-18	0	--	158	--	.4	14	.3	46	248
21/03E-36P01	42-06-00	--	--	156	--	5.0	20	--	57	189
22/01E-15Q01	81-07-02	--	--	--	67	.5	1.6	.1	27	--
22/01E-16N01	81-07-02	--	--	--	53	.4	2.3	.0	31	--
22/02E-20E04	81-07-08	--	--	--	38	<5.0	2.7	.0	27	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				PIERCE						
20/04E-06K01	81-08-20	193	--	--	--	.16	--	48	--	120
20/04E-10N01	70-10-22	105	--	8.5	--	--	60	--	<20	--
20/04E-15N01	62-12-13	117	--	1.5	--	--	50	--	--	--
20/04E-17N01	81-08-20	195	--	--	--	.35	--	440	--	170
20/04E-20N02	81-08-24	143	--	--	--	<.10	--	750	--	140
20/04E-21C03	81-08-24	189	--	--	--	.10	--	240	--	120
20/04E-23P01	81-08-20	156	--	--	--	<.10	--	150	--	110
20/04E-24R02	59-12-02	215	--	.20	--	--	100	--	--	--
20/04E-24F03	38-01-11	256	--	.00	--	--	140	--	--	--
20/04E-32J01S	36-10-20	--	--	.40	--	--	40	--	--	--
	38-01-11	86	--	.30	--	--	130	--	--	--
20/05E-18Q01S	44-00-00	--	--	--	--	--	--	--	--	--
20/05E-28N01	62-12-14	110	--	.00	--	--	100	--	--	--
21/01E-02N01	81-07-02	116	--	--	--	.11	--	120	--	80
21/01E-12D02	81-07-02	95	--	--	--	2.5	--	40	--	9
21/01E-12D03	81-07-02	89	--	--	--	.30	--	40	--	4
21/01E-35D01	61-03-01	176	--	.20	--	--	620	--	--	--
21/01W-02C01	61-03-01	90	--	.10	--	--	20	--	--	--
21/02E-08C01	61-03-02	104	--	.30	--	--	220	--	--	--
21/03E-16N01	59-12-03	1115	--	.10	--	--	100	--	--	--
	60-06-02	2018	--	.10	--	--	780	--	--	--
	60-10-31	1721	--	1.7	--	--	3700	--	--	--
21/03E-26N01	38-01-13	224	--	.00	--	--	50	--	--	--
	44-12-29	239	--	3.4	--	--	1500	--	--	--
21/03E-26Q01	30-02-06	--	--	--	--	--	4100	--	--	--
21/03E-35R01	59-12-18	235	--	.40	--	--	180	--	--	--
21/03E-36P01	42-06-00	--	--	--	--	--	1300	--	--	--
22/01E-15Q01	81-07-02	98	--	--	--	.15	--	20	--	30
22/01E-16N01	81-07-02	86	--	--	--	.18	--	10	--	3
22/02E-20E04	81-07-08	72	--	--	--	.47	--	10	--	8

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				SAN JUAN						
34/01W-16R01	48 26 47	122 49 36	01	81-06-24	145	75.00	1060	7.8	11.5	--
34/01W-16Q01	48 26 45	122 49 11	01	81-06-24	114	150.00	1400	7.6	12.2	--
34/01W-17P01	48 26 05	122 50 14	01	74-02-11	--	--	1500	7.4	9.0	--
34/01W-18H01	48 26 33	122 50 39	01	81-06-24	115	95.00	815	7.7	10.8	--
34/02W-02P01	48 28 00	122 54 08	01	74-02-11	410	120.00	1120	8.5	9.5	--
				81-06-24	410	120.00	880	8.9	11.7	--
34/02W-03F01	48 28 18	122 55 17	01	81-06-24	154	135.00	1420	7.6	14.4	--
34/02W-08E01	48 27 29	122 58 18	01	71-03-23	103	88.00	815	8.2	10.4	--
				81-06-23	103	88.00	850	7.2	10.0	--
34/02W-12G01	48 27 35	122 52 22	01	81-06-24	196	160.00	800	8.0	11.0	--
34/03W-02P02	48 27 53	123 01 39	01	70-06-24	191	130.00	1430	7.6	10.6	--
				81-06-22	191	130.00	1700	7.9	11.6	--
34/03W-02P03	48 27 57	123 01 48	01	74-02-13	--	--	3000	7.4	9.2	--
34/03W-02P04	48 27 52	123 01 47	01	81-06-22	37	120.00	1980	7.5	11.2	--
35/01W-07M01	48 22 25	122 51 49	01	81-06-24	193	150.00	3000	7.2	10.8	--
35/02W-01N01	48 33 08	122 53 09	01	81-06-24	81	38.00	2950	7.8	11.0	--
35/02W-01P02	48 33 11	122 52 47	01	81-06-24	41	35.00	1040	7.3	10.8	--
35/02W-10K01	48 32 35	122 55 10	01	74-02-11	--	--	550	6.9	9.5	--
35/02W-10L01	48 32 33	122 55 09	01	81-06-24	88	75.00	470	7.4	10.7	--
35/02W-14E01	48 31 46	122 54 19	01	81-06-24	113	100.00	690	7.3	10.8	--
35/02W-14H01	48 31 45	122 53 23	01	60-05-17	132	--	616	7.5	10.0	--
35/02W-18F02	48 31 56	122 59 23	01	81-06-23	305	190.00	520	7.8	12.7	--
35/02W-21H01	48 30 59	122 55 50	01	81-06-24	219	15.00	1090	8.3	12.8	--
35/02W-25R01	48 29 40	122 52 26	01	81-06-24	141	45.00	555	7.9	10.7	--
35/02W-27R01	48 30 22	122 54 51	01	81-06-24	64	50.00	412	7.3	14.6	--
35/02W-28K01	48 29 56	122 56 09	01	74-02-11	--	--	1020	7.1	9.5	--
35/02W-33G01	48 29 13	122 55 26	01	81-06-24	120	110.00	1950	7.4	10.8	--
35/02W-33R01	48 28 45	122 56 00	01	81-06-24	160	160.00	635	7.6	11.4	--
35/02W-35H01	48 29 11	122 53 19	01	81-06-24	255	290.00	480	7.8	10.6	--
35/03W-03K02	48 33 22	123 02 48	01	81-06-23	244	180.00	345	7.9	14.2	--
35/03W-05J01	48 33 17	123 05 13	01	74-02-13	--	--	320	6.9	9.5	--
35/03W-07H01	48 32 48	123 06 22	01	81-06-23	310	310.00	260	6.3	11.3	--
35/03W-18K01	48 31 38	123 05 34	01	81-06-23	160	185.00	755	7.3	15.3	--
35/03W-23R01	48 31 13	123 01 26	01	81-06-22	345	105.00	820	7.8	10.6	--
35/03W-23J01	48 30 46	123 01 05	01	74-02-13	--	--	1260	8.5	8.7	--
35/03W-23J02	48 30 46	123 01 06	01	81-06-22	187	10.00	890	7.8	10.8	--
35/03W-26E01	48 30 05	123 02 06	01	81-06-22	254	130.00	900	8.5	12.5	--
35/03W-30K02	48 29 45	123 05 56	01	81-06-23	185	200.00	710	7.2	13.5	--
35/03W-33F01	48 29 14	123 04 47	01	81-06-23	700	50.00	1400	7.4	14.2	--
35/03W-36F01	48 29 16	123 00 50	01	81-06-22	382	50.00	775	7.6	10.9	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				SAN JUAN						
34/01W-16R01	81-06-24	338	0	58	47	89	36	2.2	6.3	--
34/01W-16D01	81-06-24	564	4	61	100	66	20	1.2	11	--
34/01W-17P01	74-02-11	454	32	50	80	120	36	2.5	13	514
34/01W-18H01	81-06-24	349	39	74	40	37	18	.9	6.0	--
34/02W-02P01	74-02-11	80	14	18	8.4	140	79	7.0	2.7	81
	81-06-24	49	0	13	3.9	160	87	10	1.9	--
34/02W-03F01	81-06-24	534	134	92	74	72	22	1.4	8.6	--
34/02W-08E01	71-03-23	243	54	66	19	62	35	1.8	3.7	230
	81-06-23	280	80	76	22	64	33	1.7	3.3	--
34/02W-12G01	81-06-24	251	21	51	30	71	38	2.0	2.9	--
	70-06-24	347	19	58	49	164	48	3.9	27	400
34/03W-02P02	81-06-22	478	108	61	79	150	39	3.0	22	--
	74-02-13	531	219	89	75	230	48	4.4	14	381
34/03W-02P03	81-06-22	479	129	70	74	210	48	4.3	13	--
34/03W-02P04	81-06-24	645	285	110	90	380	55	6.7	20	--
35/01W-07M01										
	81-06-24	725	335	76	130	300	46	4.9	33	--
35/02W-01N01	81-06-24	296	86	64	33	90	39	2.3	9.3	--
35/02W-01P02	74-02-11	145	0	35	14	22	24	.8	5.2	200
35/02W-10K01	81-06-24	177	7	43	17	23	21	.8	5.2	--
35/02W-10L01	81-06-24	296	6	59	36	34	20	.9	5.5	--
35/02W-14F01										
	60-05-17	269	9	60	29	29	19	.8	6.0	317
35/02W-14H01	81-06-23	117	0	31	9.6	72	57	3.0	1.6	--
35/02W-18E02	81-06-24	25	0	8.9	.6	230	95	21	.7	--
35/02W-21H01	81-06-24	215	0	35	31	37	26	1.1	6.6	--
35/02W-25R01	81-06-24	153	13	39	16	21	21	.7	3.0	--
35/02W-27R01										
	74-02-11	251	61	56	27	96	44	2.7	7.9	231
35/02W-28K01	81-06-24	460	170	100	51	200	48	4.2	10	--
35/02W-33G01	81-06-24	245	25	52	28	32	22	.9	4.7	--
35/02W-33R01	81-06-24	208	38	57	16	16	14	.5	1.2	--
35/02W-35H01	81-06-23	81	0	22	6.4	39	51	1.9	.6	--
35/03W-03K02										
	74-02-13	86	40	22	7.6	12	22	.6	6.7	56
35/03W-05J01	81-06-23	79	0	26	3.4	23	39	1.2	.4	--
35/03W-07H01	81-06-23	269	9	73	21	51	29	1.4	1.0	--
35/03W-18K01	81-06-22	174	0	45	15	100	55	3.4	1.7	--
35/03W-23B01	74-02-13	182	0	40	20	120	58	4.0	7.4	293
35/03W-23J01										
	81-06-22	173	0	38	19	110	57	3.7	5.8	--
35/03W-23J02	81-06-22	22	0	4.8	2.4	190	94	18	2.6	--
35/03W-26F01	81-06-23	241	21	62	21	51	31	1.5	2.5	--
35/03W-30K02	81-06-23	277	0	68	26	190	60	5.1	3.1	--
35/03W-33F01	81-06-22	120	0	38	6.0	110	66	4.6	1.1	--
35/03W-36F01										

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				SAN JUAN						
34/01W-16R01	81-06-24	--	--	--	360	28	120	.2	34	--
34/01W-16Q01	81-06-24	--	--	--	560	63	87	.1	31	--
34/01W-17P01	74-02-11	--	--	422	--	51	180	.3	--	--
34/01W-18H01	81-06-24	--	--	--	310	66	46	.1	35	--
34/02W-02P01	74-02-11	--	--	66	--	110	150	.2	--	--
	81-06-24	--	--	--	56	100	190	.1	20	--
34/02W-03F01	81-06-24	--	--	--	400	140	140	.1	22	--
34/02W-08E01	71-03-23	--	--	189	--	22	120	.1	22	420
	81-06-23	--	--	--	200	44	130	.1	20	--
34/02W-12G01	81-06-24	--	--	--	230	48	97	.1	30	--
34/03W-02P02	70-06-24	0	--	328	--	60	236	.1	17	815
	81-06-22	--	--	--	370	91	280	.1	22	--
34/03W-02P03	74-02-13	--	--	312	--	130	430	.3	--	--
34/03W-02P04	81-06-22	--	--	--	350	110	370	.1	22	--
35/01W-07W01	81-06-24	--	--	--	360	49	790	.2	25	--
35/02W-01N01	81-06-24	--	--	--	390	28	730	.1	19	--
35/02W-01P02	81-06-24	--	--	--	210	25	190	.2	29	--
35/02W-10K01	74-02-11	--	--	164	--	9.9	22	.2	--	--
35/02W-10L01	81-06-24	--	--	--	170	10	32	.1	29	--
35/02W-14E01	81-06-24	--	--	--	290	36	29	.1	27	--
35/02W-14H01	60-05-17	0	--	260	--	20	32	.2	31	346
35/02W-18E02	81-06-23	--	--	--	200	13	36	.1	27	--
35/02W-21H01	81-06-24	--	--	--	190	130	180	.1	8.9	--
35/02W-25R01	81-06-24	--	--	--	230	27	31	.2	29	--
35/02W-27R01	81-06-24	--	--	--	150	20	36	.1	27	--
35/02W-28K01	74-02-11	--	--	190	--	29	180	.2	--	--
35/02W-33G01	81-06-24	--	--	--	290	60	420	.1	30	--
35/02W-33R01	81-06-24	--	--	--	220	25	46	.1	28	--
35/02W-35H01	81-06-24	--	--	--	170	31	34	.1	23	--
35/03W-03K02	81-06-23	--	--	--	110	18	32	.1	18	--
35/03W-05J01	74-02-13	--	--	46	--	20	33	.2	--	--
35/03W-07H01	81-06-23	--	--	--	89	25	8.0	.1	15	--
35/03W-18K01	81-06-23	--	--	--	260	37	63	.0	19	--
35/03W-23R01	81-06-22	--	--	--	210	41	110	.1	17	--
35/03W-23J01	74-02-13	--	--	240	--	42	110	.3	--	--
35/03W-23J02	81-06-22	--	--	--	220	46	110	.1	23	--
35/03W-26F01	81-06-22	--	--	--	260	53	100	.1	19	--
35/03W-30K02	81-06-23	--	--	--	220	47	75	.1	21	--
35/03W-33F01	81-06-23	--	--	--	350	93	190	.1	21	--
35/03W-36E01	81-06-22	--	--	--	130	18	160	.1	16	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				SAN JUAN						
34/01W-16B01	81-06-24	599	--	--	--	.65	--	190	--	70
34/01W-16D01	81-06-24	755	--	--	--	.25	--	50	--	4
34/01W-17P01	74-02-11	--	--	--	.02	--	--	440	--	--
34/01W-18H01	81-06-24	491	--	--	--	.01	--	950	--	150
34/02W-02P01	74-02-11	--	--	--	.05	--	--	50	--	--
	81-06-24	512	--	--	--	.05	--	10	--	2
34/02W-03F01	81-06-24	789	--	--	--	1.0	--	<10	--	6
34/02W-08E01	71-03-23	428	--	--	.80	--	70	--	<20	--
	81-06-23	479	--	--	--	.97	--	<10	--	<1
34/02W-12G01	81-06-24	468	--	--	--	.03	--	20	--	50
34/03W-02P02	70-06-24	808	--	.70	--	--	--	--	--	--
	81-06-22	929	--	--	--	.86	--	10	--	190
34/03W-02P03	74-02-13	--	--	--	.07	--	--	250	--	--
34/03W-02P04	81-06-22	1079	--	--	--	1.0	--	20	--	110
35/01W-07M01	81-06-24	1680	--	--	--	.12	--	170	--	80
35/02W-01N01	81-06-24	1551	--	--	--	.01	--	80	--	160
35/02W-01P02	81-06-24	556	--	--	--	.92	--	40	--	10
35/02W-10K01	74-02-11	--	--	--	.65	--	--	60	--	--
35/02W-10L01	81-06-24	261	--	--	--	.61	--	<10	--	<1
35/02W-14E01	81-06-24	401	--	--	--	.54	--	20	--	9
35/02W-14N01	60-05-17	353	--	.80	--	--	270	--	--	--
35/02W-18E02	81-06-23	310	--	--	--	.03	--	<10	--	8
35/02W-21H01	81-06-24	673	--	--	--	.00	--	120	--	9
35/02W-25R01	81-06-24	335	--	--	--	.00	--	140	--	30
35/02W-27B01	81-06-24	252	--	--	--	.75	--	<10	--	2
35/02W-28K01	74-02-11	--	--	--	.63	--	--	100	--	--
35/02W-33G01	81-06-24	1045	--	--	--	.93	--	10	--	2
35/02W-33R01	81-06-24	349	--	--	--	1.5	--	30	--	2
35/02W-35H01	81-06-24	290	--	--	--	.03	--	10	--	70
35/03W-03K02	81-06-23	202	--	--	--	.01	--	20	--	20
35/03W-05J01	74-02-13	--	--	--	2.7	--	--	190	--	--
35/03W-07H01	81-06-23	154	--	--	--	.13	--	110	--	20
35/03W-18K01	81-06-23	421	--	--	--	.00	--	100	--	110
35/03W-23B01	81-06-22	457	--	--	--	.00	--	110	--	20
35/03W-23J01	74-02-13	--	--	--	.04	--	--	430	--	--
35/03W-23J02	81-06-22	494	--	--	--	.00	--	60	--	70
35/03W-26F01	81-06-22	538	--	--	--	.01	--	100	--	10
35/03W-30K02	81-06-23	414	--	--	--	.11	--	<10	--	3
35/03W-33F01	81-06-23	801	--	--	--	.14	--	<10	--	60
35/03W-36E01	81-06-22	427	--	--	--	.09	--	<10	--	6

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				SAN JUAN						
35/04W-14J01	48 31 42	123 09 29	01	74-02-13	--	--	460	9.5	8.6	--
35/04W-23H01	48 30 58	123 09 01	01	81-06-23	192	30.00	920	6.9	11.2	--
36/01W-02R01	48 38 37	122 46 46	01	81-06-23	126	100.00	412	8.9	10.6	--
36/01W-05N01	48 37 52	122 51 10	01	81-06-23	85	80.00	490	6.7	--	--
36/01W-16J01	48 36 21	122 48 58	01	74-02-12	--	--	350	6.9	8.4	--
36/01W-16Q03	48 36 10	122 49 12	01	81-06-23	576	40.00	530	8.9	12.0	--
36/02W-05C01	48 38 26	122 58 38	01	81-06-24	286	200.00	255	8.9	14.6	--
36/02W-07K01	48 37 15	122 59 52	01	81-06-24	267	110.00	605	8.2	12.5	--
36/02W-11G01	48 37 35	122 54 30	01	81-06-24	145	940.00	345	7.8	9.8	--
36/02W-12A01	48 37 41	122 52 56	01	81-06-25	505	160.00	445	9.6	14.0	--
36/02W-15N04	48 35 56	122 56 22	01	81-06-25	446	200.00	530	7.4	10.8	--
36/02W-18A01	48 36 52	122 59 38	01	74-02-12	--	--	1025	8.0	9.8	--
36/02W-20J01	48 35 31	122 57 58	01	81-06-22	150	10.00	8400	6.8	10.8	--
36/02W-22D01	48 36 07	122 56 32	01	74-02-12	--	--	550	7.0	9.9	--
36/02W-24G01	48 35 51	122 53 01	01	81-06-25	230	80.00	390	9.0	12.4	--
36/02W-27R01	48 34 54	122 55 33	01	81-06-22	138	15.00	2440	7.4	10.3	--
36/02W-30E01	48 34 57	123 00 26	01	81-06-22	300	30.00	650	8.2	11.6	--
36/02W-30F01	48 34 55	123 00 11	01	81-06-22	293	60.00	650	8.7	10.8	--
36/02W-33G01	48 34 08	122 57 12	01	81-06-22	280	160.00	349	7.8	10.4	--
36/02W-33J01	48 33 49	122 56 22	01	81-06-22	86	50.00	515	7.2	12.0	--
36/03W-17E01	48 36 08	123 07 03	01	61-03-09	48	--	300	7.1	--	--
36/03W-18H01	48 37 06	123 05 20	01	74-02-13	--	--	445	7.0	7.5	--
36/03W-18K02	48 36 49	123 06 33	01	81-06-23	320	250.00	1280	8.3	11.4	--
36/03W-28F01	48 35 27	123 04 36	01	81-06-23	220	50.00	340	6.5	9.9	--
36/04W-23N01	48 35 42	123 09 51	01	81-06-23	135	25.00	1320	7.3	11.4	--
36/04W-25E01	48 35 22	123 08 47	01	70-06-23	80	50.00	616	7.7	10.0	--
				71-03-23	80	--	652	7.8	--	--
36/04W-35L03	48 34 14	123 09 41	01	81-06-23	330	40.00	1910	7.2	12.7	--
37/01W-07M04	48 42 29	122 52 38	01	81-06-23	18	60.00	205	7.0	14.4	--
37/01W-32D01S	48 39 32	122 51 11	01	81-06-23	--	550.00	212	7.3	12.2	--
37/01W-35F01	48 39 17	122 46 50	01	74-02-12	--	--	142	6.9	5.4	--
37/02W-11L01	48 42 30	122 54 55	01	81-06-23	120	85.00	350	7.4	11.2	--
37/02W-13B01	48 42 08	122 53 10	01	60-05-17	50	--	331	7.1	10.5	--
				74-02-12	50	--	375	6.9	9.9	--
37/02W-13B04	48 42 06	122 53 03	01	81-06-23	52	50.00	350	7.1	10.6	--
37/02W-14A02	48 42 11	122 54 09	01	54-10-28	168	--	393	8.6	10.0	--
37/02W-14G04	48 41 52	122 54 27	01	60-05-17	11	--	676	7.8	10.0	--
37/02W-16P01	48 41 25	122 55 44	01	81-06-23	186	145.00	330	8.1	10.2	--
37/02W-22L01	48 40 52	122 56 12	01	81-06-24	246	300.00	430	7.5	11.6	--
37/02W-27P01	48 39 43	122 55 58	01	81-06-24	237	280.00	340	7.8	10.6	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				SAN JUAN						
35/04W-14J01	74-02-13	4	0	1.6	<.1	77	97	17	1.2	192
35/04W-23H01	81-06-23	399	79	130	18	43	19	1.0	4.3	--
36/01W-02B01	81-06-23	30	0	7.6	2.7	81	85	6.6	.5	--
36/01W-05N01	81-06-23	216	46	70	10	16	14	.5	.9	--
36/01W-16J01	74-02-12	104	17	31	6.4	12	20	.5	1.3	106
36/01W-16Q03	81-06-23	6	0	2.5	.0	120	97	22	.4	--
36/02W-05C01	81-06-24	51	0	13	4.6	34	60	2.3	1.4	--
36/02W-07K01	81-06-24	68	0	13	8.7	120	78	6.5	3.2	--
36/02W-11G01	81-06-24	164	24	52	8.2	11	13	.4	.4	--
36/02W-12A01	81-06-25	3	0	.9	.1	110	99	31	.5	--
36/02W-15N04	81-06-25	264	44	71	21	13	0	.4	1.4	--
36/02W-18A01	74-02-12	39	0	7.8	4.7	170	89	12	4.9	455
36/02W-20J01	81-06-22	1739	1692	350	210	870	52	9.3	14	--
36/02W-22D01	74-02-12	211	1	55	18	20	17	.6	1.4	256
36/02W-24G01	81-06-25	25	0	6.0	2.4	78	87	7.0	.7	--
36/02W-27B01	81-06-22	770	540	170	84	180	33	2.9	9.8	--
36/02W-30E01	81-06-22	14	0	4.6	.5	150	96	19	.5	--
36/02W-30F01	81-06-22	9	0	3.0	.3	150	97	23	.5	--
36/02W-33G01	81-06-22	107	0	28	9.1	39	44	1.7	.4	--
36/02W-33J01	81-06-22	174	0	50	12	46	36	1.6	1.0	--
36/03W-17E01	61-03-09	114	18	21	15	16	23	.7	2.4	117
36/03W-18H01	74-02-13	123	24	23	16	16	22	.6	2.9	121
36/03W-18K02	81-06-23	75	0	12	11	280	89	14	2.8	--
36/03W-28F01	81-06-23	157	27	49	8.4	11	13	.4	.8	--
36/04W-23N01	81-06-23	549	0	78	86	93	27	1.8	5.9	--
36/04W-25E01	70-06-23	239	0	66	18	43	28	1.3	1.3	319
	71-03-23	286	7	78	21	27	17	.7	1.3	340
36/04W-35L03	81-06-23	630	320	170	50	180	38	3.2	3.6	--
37/01W-07M04	81-06-23	85	12	24	6.1	8.4	18	.4	.9	--
37/01W-32D01S	81-06-23	97	24	31	4.8	5.4	11	.2	.2	--
37/01W-35F01	74-02-12	37	17	11	2.4	6.4	27	.5	.6	24
37/02W-11L01	81-06-23	126	16	24	16	22	27	.9	1.6	--
37/02W-13A01	60-05-17	143	39	46	6.8	9.3	12	.4	.7	127
	74-02-12	134	28	43	6.4	5.8	9	.2	.9	129
37/02W-13B04	81-06-23	154	44	50	7.1	10	12	.4	.7	--
37/02W-14A02	54-10-28	8	0	3.2	.0	91	96	15	.6	202
37/02W-14G04	60-05-17	276	64	66	27	39	23	1.1	2.7	259
37/02W-16R01	81-06-23	75	0	18	7.3	43	55	2.2	1.7	--
37/02W-22L01	81-06-24	202	22	53	17	16	15	.5	.7	--
37/02W-27P01	81-06-24	146	0	32	16	15	18	.6	3.4	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				SAN JUAN						
35/04W-14J01	74-02-13	--	--	158	--	7.2	12	.3	--	--
35/04W-23H01	81-06-23	--	--	--	320	42	84	.0	15	--
36/01W-02B01	81-06-23	--	--	--	130	31	24	.4	17	--
36/01W-05N01	81-06-23	--	--	--	170	42	25	.1	15	--
36/01W-16J01	74-02-12	--	--	87	--	13	19	.4	--	--
36/01W-16Q03	81-06-23	--	--	--	230	2.0	26	.5	9.3	--
36/02W-05C01	81-06-24	--	--	--	110	12	9.4	.4	35	--
36/02W-07K01	81-06-24	--	--	--	210	31	54	.2	36	--
36/02W-11G01	81-06-24	--	--	--	140	23	8.0	.1	18	--
36/02W-12A01	81-06-25	--	--	--	170	21	7.4	2.9	12	--
36/02W-15N04	81-06-25	--	--	--	220	38	16	.1	19	--
36/02W-18A01	74-02-12	--	--	373	--	7.4	26	.2	--	--
36/02W-20J01	81-06-22	--	--	--	47	3.0	2700	.0	11	--
36/02W-22D01	74-02-12	--	--	210	--	26	13	.1	--	--
36/02W-24G01	81-06-25	--	--	--	140	32	18	.6	20	--
36/02W-27B01	81-06-22	--	--	--	230	90	590	.1	20	--
36/02W-30E01	81-06-22	--	--	--	230	66	36	.1	9.1	--
36/02W-30F01	81-06-22	--	--	--	220	64	32	.1	9.2	--
36/02W-33G01	81-06-22	--	--	--	160	13	16	.0	19	--
36/02W-33J01	81-06-22	--	--	--	210	38	18	.0	16	--
36/03W-17E01	61-03-09	0	--	96	--	16	24	.1	30	189
36/03W-18H01	74-02-13	--	--	99	--	19	28	.2	--	--
36/03W-18K02	81-06-23	--	--	--	450	2.8	120	1.4	11	--
36/03W-28F01	81-06-23	--	--	--	130	23	11	.1	16	--
36/04W-23N01	81-06-23	--	--	--	570	51	96	.1	34	--
36/04W-25E01	70-06-23	0	--	262	--	34	23	.0	20	374
	71-03-23	--	--	279	--	30	24	.1	24	286
36/04W-35L03	81-06-23	--	--	--	310	140	380	.1	18	--
37/01W-07N04	81-06-23	--	--	--	73	15	10	.1	14	--
37/01W-32D01S	81-06-23	--	--	--	73	22	6.7	.0	9.2	--
37/01W-35F01	74-02-12	--	--	20	--	17	9.7	.1	--	--
37/02W-11L01	81-06-23	--	--	--	110	21	23	.1	24	--
37/02W-13A01	60-05-17	0	--	104	--	37	13	.1	23	204
	74-02-12	--	--	106	--	30	12	.2	--	--
37/02W-13B04	81-06-23	--	--	--	110	33	20	.1	20	--
37/02W-14A02	54-10-28	6	--	176	--	11	16	.2	11	238
37/02W-14G04	60-05-17	0	--	212	--	68	48	.2	35	413
37/02W-16A01	81-06-23	--	--	--	130	8.4	22	.2	16	--
37/02W-22L01	81-06-24	--	--	--	180	1.0	36	.1	34	--
37/02W-27P01	81-06-24	--	--	--	150	7.4	12	.2	41	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				SAN JUAN						
35/04W-14J01	74-02-13	--	--	--	.06	--	--	80	--	--
35/04W-23H01	81-06-23	528	--	--	--	.03	--	100	--	80
36/01W-02B01	81-06-23	242	--	--	--	.25	--	30	--	3
36/01W-05N01	81-06-23	283	--	--	--	.07	--	330	--	20
36/01W-16J01	74-02-12	--	--	--	1.0	--	--	190	--	--
36/01W-16Q03	81-06-23	299	--	--	--	.00	--	40	--	3
36/02W-05C01	81-06-24	178	--	--	--	2.5	--	210	--	2
36/02W-07K01	81-06-24	392	--	--	--	.02	--	<10	--	10
36/02W-11G01	81-06-24	205	--	--	--	2.5	--	350	--	70
36/02W-12A01	81-06-25	257	--	--	.16	3.1	--	110	--	6
36/02W-15N04	81-06-25	311	--	--	--	.03	--	20	--	50
36/02W-18A01	74-02-12	--	--	--	.08	--	--	40	--	--
36/02W-20J01	81-06-22	4208	--	--	--	.13	--	21000	--	500
36/02W-22D01	74-02-12	--	--	--	.03	--	--	120	--	--
36/02W-24G01	81-06-25	242	--	--	--	.05	--	30	--	2
36/02W-27B01	81-06-22	1273	--	--	--	.00	--	220	--	910
36/02W-30E01	81-06-22	405	--	--	--	.10	--	10	--	4
36/02W-30F01	81-06-22	391	--	--	--	.04	--	<10	--	3
36/02W-33G01	81-06-22	220	--	--	--	.00	--	<10	--	20
36/02W-33J01	81-06-22	307	--	--	--	.01	--	10	--	100
36/03W-17E01	61-03-09	182	--	.30	--	--	1200	--	--	--
36/03W-18H01	74-02-13	--	--	--	.16	--	--	80	--	--
36/03W-18K02	81-06-23	711	--	--	--	.01	--	90	--	100
36/03W-28F01	81-06-23	203	--	--	--	1.9	--	4800	--	7
36/04W-23N01	81-06-23	787	--	--	--	.01	--	700	--	260
36/04W-25E01	70-06-23	362	--	.10	.00	--	--	--	--	--
	71-03-23	377	--	--	.20	--	3600	--	200	--
36/04W-35L03	81-06-23	1129	--	--	--	.01	--	730	--	660
37/01W-07M04	81-06-23	123	--	--	--	.32	--	40	--	4
37/01W-32D01S	81-06-23	123	--	--	--	.05	--	10	--	6
37/01W-35F01	74-02-12	--	--	--	.14	--	--	40	--	--
37/02W-11L01	81-06-23	198	--	--	--	.53	--	20	--	20
37/02W-13A01	60-05-17	198	--	2.4	--	--	50	--	--	--
	74-02-12	--	--	--	.38	--	--	300	--	--
37/02W-13B04	81-06-23	207	--	--	--	1.0	--	20	--	20
37/02W-14A02	54-10-28	245	--	.00	--	--	30	--	--	--
37/02W-14G04	60-05-17	413	--	.10	--	--	2200	--	--	--
37/02W-16R01	81-06-23	195	--	--	--	.00	--	40	--	20
37/02W-22L01	81-06-24	267	--	--	--	.02	--	630	--	220
37/02W-27P01	81-06-24	217	--	--	--	.01	--	120	--	40

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				SKAGIT						
33/03E-05H01	48 22 42	122 26 48	01	49-11-21	112	90.00	708	--	--	--
33/04E-33D01	48 18 33	122 18 36	01	49-11-21	197	--	233	--	--	--
34/01E-14C01	48 26 25	122 39 00	01	81-08-11	228	480.00	340	7.0	10.0	<1
34/02E-02N01	48 27 27	122 31 32	01	76-08-12	100	95.00	430	7.2	10.8	--
34/02E-03G01	48 27 55	122 31 57	01	61-05-24	19	--	--	7.1	--	--
34/02E-03K01	48 27 35	122 32 12	01	62-11-19	200	--	270	7.1	--	--
34/02E-15R01	48 25 45	122 31 48	01	76-08-17	230	235.00	400	6.2	9.6	--
34/02E-27Q02	48 24 00	122 32 21	01	76-03-09	117	--	380	--	--	--
34/02E-34B01	48 23 54	122 32 23	01	76-01-26	112	--	370	7.0	9.8	--
34/02E-34R06	48 23 10	122 31 53	01	76-01-26	200	50.00	2540	8.3	7.4	--
34/02E-34R09	48 23 14	122 31 56	01	76-11-16	80	50.00	420	--	--	--
34/02E-35E01	48 23 33	122 31 43	01	76-01-26	110	202.00	320	7.1	9.5	--
34/03E-23D01	48 25 34	122 23 47	01	81-08-12	107	15.00	488	6.8	12.2	<1
34/04E-07P01	48 26 41	122 20 45	01	49-11-21	27	25.00	237	--	--	--
34/04E-16F01	48 26 11	122 18 08	01	49-11-21	135	70.00	1320	--	--	--
34/04E-22Q01	48 25 02	122 16 27	01	72-04-13	262	--	275	8.1	9.4	--
34/04E-31J01	48 23 25	122 20 06	01	81-08-12	107	11.00	845	7.7	16.8	<1
34/04E-33P01	48 23 07	122 18 24	01	49-11-21	103	65.00	385	--	--	--
35/03E-11R01	48 30 02	122 22 42	01	49-11-21	197	20.00	1180	--	--	--
35/03E-22Q01	48 30 10	122 24 25	01	62-11-12	42	--	170	6.7	10.6	--
35/04E-05G01	48 33 22	122 19 55	01	71-04-22	44	70.00	251	8.2	9.6	--
35/04E-06H01	48 33 17	122 20 23	01	81-07-21	38	65.00	395	6.6	10.5	<1
35/04E-29E01	48 29 39	122 19 52	01	81-07-21	38	20.00	340	6.8	10.4	>50
35/04E-32P01	48 28 25	122 19 35	01	59-12-17	45	--	318	6.3	10.0	--
35/05E-08D02	48 32 23	122 11 45	01	59-12-17	231	--	315	7.7	11.0	--
35/05E-21J02	48 30 19	122 09 45	01	71-04-22	42	60.00	165	8.1	10.8	--
35/05E-27E01	48 29 58	122 09 21	01	81-08-11	50	67.00	211	6.7	11.8	<1
35/05E-30M01	48 29 27	122 13 16	01	52-04-18	50	--	176	7.0	--	--
35/06E-09D01	48 32 35	122 02 45	01	62-11-12	34	--	90	7.3	11.7	--
35/08E-09F01	48 32 18	121 46 49	01	72-04-13	53	173.00	321	8.2	8.9	--
35/08E-15E01	48 31 30	121 45 48	01	81-08-11	61	190.00	347	6.9	12.8	<1
35/10E-32C01	48 28 57	121 32 23	01	72-04-13	24	--	59	7.5	6.2	--
36/04E-21K01	48 35 34	122 17 53	01	62-11-13	51	--	72	7.0	10.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				SKAGIT						
33/03E-05H01	49-11-21	320	26	--	--	--	--	--	--	358
33/04E-33D01	49-11-21	94	0	--	--	--	--	--	--	136
34/01E-14C01	81-08-11	121	39	17	19	18	24	.7	1.6	--
34/02E-02N01	76-08-12	100	0	17	14	49	51	2.2	3.4	203
34/02E-03G01	61-05-24	95	3	10	17	24	--	1.1	--	112
34/02E-03K01	62-11-19	102	3	13	17	14	22	.6	4.5	121
34/02E-15R01	76-08-17	202	8	43	23	14	13	.4	3.6	237
34/02E-27Q02	76-03-09	157	--	25	23	--	--	--	--	--
34/02E-34B01	76-01-26	150	0	27	20	17	19	.6	4.2	189
34/02E-34R06	76-01-26	89	0	11	15	550	92	26	14	716
34/02E-34R09	76-11-16	184	15	26	29	20	19	.7	2.7	206
34/02E-35E01	76-01-26	150	2	27	20	14	17	.5	2.2	181
34/03E-23D01	81-08-12	91	0	15	13	42	48	2.0	5.1	--
34/04E-07P01	49-11-21	84	35	--	--	--	--	--	--	60
34/04E-16F01	49-11-21	32	0	--	--	--	--	--	--	602
34/04E-22Q01	72-04-13	95	0	20	11	21	31	1.0	3.7	167
34/04E-31J01	81-08-12	206	0	28	33	88	46	2.7	12	--
34/04E-33P01	49-11-21	154	0	--	--	--	--	--	--	194
35/03E-11R01	49-11-21	142	0	--	--	--	--	--	--	322
35/03E-22Q01	62-11-12	57	0	12	6.5	9.2	23	.5	7.3	90
35/04E-05G01	71-04-22	99	8	18	13	13	21	.6	3.8	111
35/04E-06H01	81-07-21	161	51	28	22	12	14	.4	2.5	--
35/04E-29E01	81-07-21	103	3	23	11	24	33	1.1	3.2	--
35/04E-32P01	59-12-17	62	0	9.0	9.6	37	55	2.1	3.1	144
35/05E-08D02	59-12-17	103	0	23	11	23	32	1.0	3.2	142
35/05E-21J02	71-04-22	67	0	13	8.3	6.9	18	.4	2.7	89
35/05E-27E01	81-08-11	58	4	11	7.3	7.2	21	.4	2.3	--
35/05E-30M01	52-04-18	69	7	14	8.3	8.0	19	.4	3.1	75
35/06E-09D01	62-11-12	30	0	8.0	2.4	3.1	16	.3	3.9	38
35/08E-09F01	72-04-13	154	1	40	13	3.0	4	.1	1.7	187
35/08E-15E01	81-08-11	152	22	28	20	6.9	9	.2	4.1	--
35/10E-32C01	72-04-13	21	0	6.4	1.3	1.1	0	.1	.6	33
36/04E-21K01	62-11-13	23	8	7.0	1.4	3.1	22	.3	.4	18

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				SKAGIT						
33/03E-05H01	49-11-21	0	--	294	--	20	34	.2	--	--
33/04E-33D01	49-11-21	0	--	112	--	2.0	6.0	.2	--	--
34/01E-14C01	81-08-11	--	--	--	82	25	26	.1	30	--
34/02E-02N01	76-08-12	0	--	167	--	12	16	.3	43	262
34/02E-03G01	61-05-24	--	--	92	--	14	30	--	48	--
34/02E-03K01	62-11-19	0	--	99	--	22	12	.2	44	--
34/02E-15R01	76-08-17	0	--	194	--	19	14	.1	38	254
34/02E-27Q02	76-03-09	--	--	--	--	10	21	.1	--	--
34/02E-34B01	76-01-26	0	--	155	--	9.9	22	--	--	--
34/02E-34R06	76-01-26	0	--	587	--	150	410	.3	25	1570
34/02E-34R09	76-11-16	--	--	169	--	20	25	.1	31	247
34/02E-35E01	76-01-26	0	--	148	--	10	14	--	--	--
34/03E-23D01	81-08-12	--	--	--	100	5.0	60	.1	59	--
34/04E-07P01	49-11-21	0	--	49	--	9.0	13	.2	--	--
34/04E-16F01	49-11-21	45	--	569	--	52	78	.6	--	--
34/04E-22Q01	72-04-13	0	--	137	--	2.0	5.9	.3	40	196
34/04E-31J01	81-08-12	--	--	--	240	<1.0	130	.2	39	--
34/04E-33P01	49-11-21	0	--	159	--	14	22	.2	--	--
35/03E-11R01	49-11-21	0	--	264	--	16	216	.3	--	--
35/03E-22Q01	62-11-12	0	--	74	--	5.0	5.8	.2	50	142
35/04E-05G01	71-04-22	--	--	91	--	13	7.0	.1	30	150
35/04E-06H01	81-07-21	--	--	--	110	11	28	.1	27	--
35/04E-29E01	81-07-21	--	--	--	100	44	13	.1	49	--
35/04E-32P01	59-12-17	0	--	118	--	.5	29	.2	59	230
35/05E-08D02	59-12-17	0	--	116	--	.7	27	.2	32	141
35/05E-21J02	71-04-22	--	--	73	--	1.0	8.8	.0	48	130
35/05E-27E01	81-08-11	--	--	--	54	.5	12	.1	51	--
35/05E-30M01	52-04-18	0	--	62	--	10	7.3	.1	43	138
35/06E-09D01	62-11-12	0	--	31	--	4.0	2.8	.1	29	--
35/08E-09F01	72-04-13	0	--	153	--	14	3.2	.1	23	216
35/08E-15E01	81-08-11	--	--	--	130	32	2.8	.0	42	--
35/10E-32C01	72-04-13	0	--	27	--	2.6	.0	.4	11	49
36/04E-21K01	62-11-13	0	--	15	--	5.2	2.5	.1	9.2	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				SKAGIT						
33/03E-05H01	49-11-21	--	--	18	--	--	50	--	--	--
33/04E-33D01	49-11-21	--	--	.00	--	--	30	--	--	--
34/01E-14C01	81-08-11	186	--	--	--	4.7	--	84	--	6
34/02E-02N01	76-08-12	255	--	--	.13	--	--	820	--	--
34/02E-03G01	61-05-24	198	--	.25	--	--	230	--	--	--
34/02E-03K01	62-11-19	186	--	.70	--	--	--	--	--	--
34/02E-15R01	76-08-17	272	--	--	.19	--	--	530	--	40
34/02E-27Q02	76-03-09	--	--	--	--	--	--	20	--	<10
34/02E-34R01	76-01-26	--	--	--	--	--	--	--	--	--
34/02E-34R06	76-01-26	1528	--	--	.02	.09	--	680	--	20
34/02E-34R09	76-11-16	255	--	--	<.10	--	--	110	--	60
34/02E-35E01	76-01-26	--	--	--	--	--	--	--	--	--
34/03E-23D01	81-08-12	275	--	--	--	.12	--	15000	--	420
34/04E-07P01	49-11-21	--	--	20	--	--	30	--	--	--
34/04E-16F01	49-11-21	--	--	.20	--	--	20	--	--	--
34/04E-22Q01	72-04-13	186	--	--	1.1	--	710	--	50	--
34/04E-31J01	81-08-12	476	--	--	--	.10	--	67	--	120
34/04E-33P01	49-11-21	--	--	.00	--	--	30	--	--	--
35/03E-11R01	49-11-21	--	--	1.1	--	--	30	--	--	--
35/03E-22Q01	62-11-12	140	--	.10	--	--	1600	--	500	--
35/04E-05G01	71-04-22	153	--	--	3.8	--	30	--	<20	--
35/04E-06H01	81-07-21	197	--	--	--	6.4	--	<10	--	90
35/04E-29E01	81-07-21	242	--	--	--	.51	--	14000	--	820
35/04E-32P01	59-12-17	218	--	.20	--	--	35000	--	--	--
35/05E-08D02	59-12-17	190	--	.00	--	--	440	--	--	--
35/05E-21J02	71-04-22	132	--	--	.00	--	18000	--	400	--
35/05E-27E01	81-08-11	140	--	--	--	.11	--	15000	--	290
35/05E-30M01	52-04-18	131	--	8.2	--	--	20	--	--	--
35/06E-09D01	62-11-12	72	--	3.7	--	--	110	--	--	--
35/08E-09F01	72-04-13	191	--	--	1.2	--	1200	--	<20	--
35/08E-15F01	81-08-11	214	--	--	--	.72	--	27	--	12
35/10E-32C01	72-04-13	40	--	--	.34	--	150	--	<20	--
36/04E-21K01	62-11-13	38	--	9.4	--	--	1600	--	<50	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				SNOHOMISH						
27/03E-24Q03	47 48 35	122 21 51	01	59-12-18	106	--	160	7.6	--	--
27/04E-10N01	47 50 14	122 17 23	01	59-12-01	176	--	156	7.7	10.0	--
27/04E-21N02	47 48 30	122 18 40	01	54-12-01	338	--	171	8.1	9.5	--
27/04E-35A01	47 47 23	122 15 03	01	71-04-21	87	170.00	204	7.9	10.1	--
27/05E-06H01	47 51 07	122 12 34	01	81-08-13	280	425.00	129	7.5	9.7	<1
27/05E-16M01	47 49 37	122 10 53	01	71-04-21	127	--	106	8.1	9.6	--
27/05E-22M01	47 48 43	122 09 48	02	81-08-13	87	243.00	155	7.6	16.8	<1
27/05E-24M01	47 48 37	122 07 05	01	81-08-13	191	445.00	140	7.5	10.6	<1
27/05E-35E01	47 47 10	122 08 28	01	60-10-13	85	150.00	176	7.5	10.5	--
27/06E-13M01	47 49 35	121 59 06	01	60-06-22	50	--	105	6.4	14.5	--
27/07E-05L01	47 51 14	121 56 22	01	60-06-23	30	--	146	6.6	18.5	--
27/09E-09Q01	47 50 15	121 39 15	01	72-05-19	78	260.00	52	7.4	8.6	--
28/04E-01G01	47 53 43	122 14 01	01	60-06-22	312	--	126	7.2	11.5	--
				60-11-05	312	--	139	7.0	10.0	--
28/05E-07G02	47 55 48	122 12 55	01	60-10-13	212	500.00	162	7.5	10.5	--
28/06E-29H01	47 53 06	122 03 31	01	60-10-12	138	50.00	239	6.8	11.5	--
28/06E-34A01	47 52 38	122 00 50	01	60-06-22	160	--	190	7.6	16.5	--
28/06E-34A02	47 52 33	122 00 52	01	71-04-21	55	20.00	200	8.1	11.0	--
28/06E-35E02	47 52 26	122 00 24	01	60-10-12	300	25.00	257	7.8	11.0	--
28/07E-18B01	47 55 03	121 57 15	01	72-05-19	143	560.00	243	7.7	9.7	--
28/07E-28N01	47 52 42	121 55 28	01	60-10-06	108	330.00	137	7.0	10.5	--
28/11E-26D01	47 53 22	121 21 57	01	68-09-09	63	--	2430	7.0	7.0	--
29/04E-01A01	48 02 02	122 13 53	01	60-10-12	174	125.00	1050	7.7	10.5	--
				61-04-24	174	--	954	7.9	10.0	--
29/05E-01A01	48 02 08	122 05 53	01	81-08-13	270	365.00	215	8.0	10.6	<1
29/05E-02C03	48 09 30	122 08 04	01	59-12-18	267	--	179	7.8	9.0	--
29/05E-19K02	47 59 06	122 12 33	01	44-11-18	100	15.00	280	--	--	--
29/05E-20P01	47 58 48	122 11 49	01	72-05-19	278	65.00	241	7.4	10.0	--
29/05E-29G01	47 58 20	122 11 32	01	44-11-18	217	20.00	370	--	--	--
29/06E-08M01	48 00 49	122 04 24	01	60-10-05	66	310.00	158	7.2	11.0	--
30/04E-10L04	48 05 59	122 17 04	01	75-02-27	96	190.00	126	--	7.0	--
30/04E-17C01	48 05 37	122 19 27	01	60-10-12	372	45.00	182	7.7	11.0	--
				75-02-27	--	--	189	--	9.5	--
30/04E-35R01	48 02 17	122 15 00	01	60-10-05	172	135.00	364	7.4	9.5	--
30/05E-05M03	48 06 52	122 12 14	01	75-02-27	--	--	86	--	7.5	--
30/05E-06H01	48 07 03	122 12 18	01	75-02-27	85	96.00	186	--	9.5	--
30/05E-23J01	48 04 10	122 07 07	01	44-09-02	26	--	250	7.5	--	--
30/05E-26M01	48 03 30	122 08 09	01	60-10-05	82	--	296	8.0	11.0	--
30/05E-27P01	48 03 04	122 09 13	01	60-10-12	133	35.00	288	7.7	11.0	--
				61-04-24	133	--	235	7.2	10.5	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				SNOHOMISH						
27/03E-24Q03	59-12-18	62	5	9.5	9.4	5.9	16	.3	2.1	70
27/04E-10N01	59-12-01	58	0	13	6.1	7.8	22	.5	2.7	85
27/04E-21N02	54-12-01	65	0	13	7.8	9.6	23	.5	4.6	103
27/04E-35A01	71-04-21	89	0	16	12	6.2	13	.3	3.3	109
27/05E-06H01	81-08-13	53	0	9.2	7.3	4.3	15	.3	1.5	--
27/05E-16M01	71-04-21	41	0	6.6	5.9	5.5	22	.4	2.1	54
27/05E-22M01	81-08-13	61	0	11	8.1	6.4	18	.4	2.0	--
27/05E-24M01	81-08-13	54	4	9.6	7.3	5.5	18	.3	1.4	--
27/05E-35E01	60-10-13	61	0	15	5.7	12	28	.7	4.0	106
27/06E-13M01	60-06-22	40	0	10	3.6	4.1	18	.3	.9	37
27/07E-05L01	60-06-23	60	0	14	6.2	5.0	15	.3	1.7	84
27/09E-09Q01	72-05-19	21	0	6.2	1.4	2.0	17	.2	.2	29
28/04E-01G01	60-06-22	58	58	9.0	8.6	8.6	23	.5	2.4	95
	60-11-05	54	54	9.5	7.4	8.3	24	.5	2.2	88
28/05E-07G02	60-10-13	66	9	10	10	5.3	14	.3	1.7	70
28/06E-29H01	60-10-12	98	4	20	9.2	14	25	.7	1.6	102
28/06E-34A01	60-06-22	72	0	16	7.9	8.6	20	.5	3.1	88
28/06E-34A02	71-04-21	77	9	16	8.9	8.2	18	.4	4.2	83
28/06E-35E02	60-10-12	41	0	10	3.8	36	64	2.5	2.0	96
28/07E-18R01	72-05-19	96	0	28	6.2	16	26	.7	2.6	156
28/07E-28N01	60-10-06	57	6	11	7.1	4.3	14	.3	.6	62
28/11E-26D01	68-09-09	216	0	60	16	420	78	13	28	426
29/04E-01A01	60-10-12	130	47	19	20	151	70	5.9	7.6	101
	61-04-24	133	48	22	19	137	68	5.3	7.4	104
29/05E-01A01	81-08-13	90	0	22	8.6	5.8	12	.3	2.0	--
29/05E-02C03	59-12-18	76	0	18	7.5	6.1	15	.3	1.3	104
29/05E-19K02	44-11-18	106	12	16	16	14	21	.6	4.7	115
29/05E-20P01	72-05-19	104	14	17	15	8.2	14	.4	2.9	110
29/05E-29G01	44-11-18	93	0	16	13	38	46	1.7	3.0	144
29/06E-08M01	60-10-05	63	0	16	5.7	6.4	18	.4	1.6	82
30/04E-10L04	75-02-27	49	0	9.1	6.3	6.4	21	.4	1.9	61
30/04E-17C01	60-10-12	75	0	12	11	7.9	18	.4	2.2	100
	75-02-27	82	0	13	12	8.2	17	.4	2.4	100
30/04E-35R01	60-10-05	168	0	36	19	11	12	.4	3.4	224
30/05E-05M03	75-02-27	38	8	12	2.0	3.1	15	.2	1.0	37
30/05E-06H01	75-02-27	82	0	18	9.0	6.3	14	.3	2.0	106
30/05E-23J01	44-09-02	108	0	22	13	8.5	14	.4	4.1	138
30/05E-26M01	60-10-05	88	0	20	9.2	29	39	1.4	9.3	182
30/05E-27P01	60-10-12	93	0	21	7.4	31	43	1.5	4.6	178
	61-04-24	75	0	18	7.3	22	38	1.1	3.7	140

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				SNOHOMISH						
27/03E-24Q03	59-12-18	0	--	57	--	10	5.0	.1	36	113
27/04E-10N01	59-12-01	0	--	70	--	4.2	3.5	.2	45	123
27/04E-21N02	54-12-01	0	--	84	--	2.0	3.0	.3	42	127
27/04E-35A01	71-04-21	--	--	89	--	15	3.3	.0	38	140
27/05E-06M01	81-08-13	--	--	--	54	<1.0	1.8	.1	35	--
27/05E-16M01	71-04-21	--	--	44	--	8.5	2.2	.1	34	54
27/05E-22M01	81-08-13	--	--	--	66	<1.0	2.1	.1	35	--
27/05E-24M01	81-08-13	--	--	--	50	6.0	2.8	.1	36	--
27/05E-35E01	60-10-13	0	--	87	--	.0	1.5	.2	33	128
27/06E-13M01	60-06-22	0	--	30	--	7.0	3.5	.0	16	72
27/07E-05L01	60-06-23	0	--	69	--	.0	3.8	.1	13	80
27/09E-09Q01	72-05-19	0	--	24	--	1.6	.6	.0	15	71
28/04E-01G01	60-06-22	0	--	.2	--	.2	2.2	.2	32	116
	60-11-05	0	--	.2	--	.2	2.8	.1	36	115
28/05E-07G02	60-10-13	0	--	57	--	7.6	5.8	.0	33	113
28/06E-29H01	60-10-12	0	--	84	--	13	10	.0	27	159
28/06E-34A01	60-06-22	0	--	72	--	9.4	9.0	.1	28	120
28/06E-34A02	71-04-21	--	--	68	--	13	6.8	.1	27	140
28/06E-35E02	60-10-12	0	--	79	--	9.0	25	.1	23	156
28/07E-18B01	72-05-19	0	--	128	--	1.2	1.6	.2	24	204
28/07E-28N01	60-10-06	0	--	51	--	3.5	4.2	.0	21	96
28/11E-26D01	68-09-09	0	--	349	--	35	550	.2	23	1360
29/04E-01A01	60-10-12	0	--	83	--	53	230	.2	31	572
	61-04-24	0	--	85	--	53	210	.3	30	552
29/05E-01A01	81-08-13	--	--	--	93	<1.0	2.3	.2	39	--
29/05E-02C03	59-12-18	0	--	85	--	2.8	2.5	.2	25	118
29/05E-19K02	44-11-18	0	--	94	--	15	24	.2	31	171
29/05E-20P01	72-05-19	0	--	90	--	15	11	.1	36	174
29/05E-29G01	44-11-18	0	--	118	--	3.2	43	.2	40	221
29/06E-08M01	60-10-05	0	--	67	--	7.4	4.2	.1	21	107
30/04E-10L04	75-02-27	--	--	50	--	7.8	3.6	.1	42	119
30/04E-17C01	60-10-12	0	--	82	--	4.2	6.0	.1	39	130
	75-02-27	--	--	82	--	5.8	6.6	.1	40	132
30/04E-35R01	60-10-05	0	--	184	--	1.2	6.0	.2	40	229
30/05E-05M03	75-02-27	--	--	30	--	4.9	2.8	<.1	16	67
30/05E-06H01	75-02-27	--	--	87	--	5.2	2.4	.1	34	129
30/05E-23J01	44-09-02	0	--	113	--	7.4	7.4	.1	23	151
30/05E-26M01	60-10-05	0	--	149	--	5.0	3.5	.2	36	201
30/05E-27P01	60-10-12	0	--	146	--	1.2	3.8	.2	36	199
	61-04-24	0	--	115	--	2.8	3.5	.2	30	159

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				SNOHOMISH						
27/03E-24Q03	59-12-18	112	--	3.3	--	--	<10	--	--	--
27/04E-10N01	59-12-01	124	--	.20	--	--	<10	--	--	--
27/04E-21N02	54-12-01	133	--	.00	--	--	<10	--	--	--
27/04E-35A01	71-04-21	148	--	--	.00	--	750	--	250	--
27/05E-06H01	81-08-13	93	--	--	--	.12	--	450	--	100
27/05E-16H01	71-04-21	92	--	--	.10	--	80	--	50	--
27/05E-22M01	81-08-13	106	--	--	--	.10	--	570	--	110
27/05E-24M01	81-08-13	99	--	--	--	.15	--	46	--	26
27/05E-35E01	60-10-13	124	--	.60	--	--	710	--	--	--
27/06E-13M01	60-06-22	63	--	9.8	--	--	70	--	--	--
27/07E-05L01	60-06-23	85	--	.10	--	--	31000	--	--	--
27/09E-09D01	72-05-19	41	--	--	.15	--	80	--	<20	--
28/04E-01G01	60-06-22	110	--	.80	--	--	9600	--	--	--
	60-11-05	110	--	.60	--	--	4000	--	--	--
28/05E-07G02	60-10-13	108	--	6.9	--	--	50	--	--	--
28/06E-29H01	60-10-12	145	--	9.4	--	--	950	--	--	--
28/06E-34A01	60-06-22	125	--	.60	--	--	1500	--	--	--
28/06E-34A02	71-04-21	125	--	--	2.1	--	60	--	100	--
28/06E-35E02	60-10-12	156	--	.30	--	--	70	--	--	--
28/07E-18B01	72-05-19	157	--	--	.29	--	70	--	170	--
28/07E-28N01	60-10-06	82	--	10	--	--	30	--	--	--
28/11E-26D01	68-09-09	1342	--	.00	--	--	720	--	10	--
29/04E-01A01	60-10-12	561	--	1.2	--	--	310	--	--	--
	61-04-24	530	--	.80	--	--	--	--	--	--
29/05E-01A01	81-08-13	137	--	--	--	.16	--	280	--	200
29/05E-02C03	59-12-18	115	--	.20	--	--	810	--	--	--
29/05E-19K02	44-11-18	177	--	.05	--	--	370	--	--	--
29/05E-20P01	72-05-19	159	--	--	.00	--	1000	--	300	--
29/05E-29G01	44-11-18	227	--	--	--	--	2100	--	--	--
29/06E-08M01	60-10-05	103	--	.30	--	--	4200	--	--	--
30/04E-10L04	75-02-27	110	--	--	--	.09	--	2300	--	70
30/04E-17C01	60-10-12	132	--	.10	--	--	980	--	--	--
	75-02-27	139	--	--	--	<.10	--	1300	--	150
30/04E-35R01	60-10-05	227	--	2.0	--	--	890	--	--	--
30/05E-05M03	75-02-27	60	--	--	--	.38	--	60	--	<10
30/05E-06H01	75-02-27	129	--	--	--	<.10	--	50	--	80
30/05E-23J01	44-09-02	153	--	2.7	--	--	100	--	--	--
30/05E-26M01	60-10-05	202	--	1.2	--	--	2000	--	--	--
30/05E-27P01	60-10-12	193	--	1.7	--	--	140	--	--	--
	61-04-24	156	--	3.6	--	--	600	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				SNOHOMISH						
30/05E-29B08	48 03 50	122 11 34	01	75-02-27	--	28.00	110	--	8.5	--
30/05E-30G02	48 03 32	122 12 51	01	75-02-27	--	--	128	--	8.0	--
30/06E-29L01	48 03 16	122 04 04	01	71-04-21	67	340.00	138	7.9	9.6	--
30/08E-16A01	48 05 13	121 46 38	01	60-03-16	160	--	167	8.1	--	--
31/03E-24Q01	48 09 19	122 21 48	01	60-10-12	183	150.00	235	7.8	11.5	--
31/04E-03L02	48 11 59	122 16 57	01	81-08-12	110	305.00	365	7.7	10.4	<1
31/04E-18C01	48 10 36	122 21 06	01	60-10-05	225	160.00	329	6.9	10.0	--
31/04E-22C01	48 09 51	122 17 03	01	72-05-19	176	470.00	138	7.6	9.9	--
31/04E-24N01S	48 09 14	122 14 40	01	44-09-02	--	--	119	7.5	10.0	--
31/04E-26B01	48 09 07	122 15 28	01	60-06-23	216	--	123	9.1	10.0	--
31/05E-02L01	48 12 02	122 07 45	01	61-04-27	20	--	86	7.2	9.0	--
31/05E-07G01	48 11 21	122 12 42	01	44-09-02	150	45.00	473	8.0	10.5	--
				60-10-05	150	--	571	7.2	9.5	--
31/05E-07H01	47 11 21	122 12 25	01	44-09-02	18	40.00	217	6.7	--	--
31/05E-15A01	48 10 46	122 08 27	01	44-09-02	120	--	138	7.7	9.0	--
31/05E-15R02	48 10 12	122 08 36	01	43-05-13	--	140.00	--	6.8	--	--
31/05E-24R01	48 09 10	122 05 47	01	81-08-12	266	520.00	282	7.7	12.6	<1
31/05E-28C01	48 09 04	122 10 22	01	44-09-02	13	120.00	84	7.4	--	--
32/04E-21P01	48 14 24	122 18 07	01	81-08-12	158	260.00	230	7.8	10.6	<1
32/04E-28B01	48 14 19	122 18 01	01	60-10-12	32	285.00	230	7.0	11.5	--
				61-04-24	32	--	204	6.9	10.0	--
32/04E-29B02	48 14 19	122 19 18	01	48-02-17	--	80.00	--	7.9	10.0	--
				49-01-31	249	--	--	8.0	--	--
				60-10-05	249	--	276	8.2	9.0	--
32/06E-18H01	48 15 48	122 04 36	01	60-10-05	110	440.00	561	7.7	9.5	--
32/07E-17G01	48 15 40	121 55 51	01	72-05-18	84	210.00	155	7.8	10.4	--
32/08E-12L01	48 16 32	121 43 05	01	72-05-18	127	--	113	7.6	7.4	--
32/09E-14J01	48 15 39	121 36 06	01	72-10-00	--	--	100	6.8	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				SNOHOMISH						
30/05E-29B08	75-02-27	35	15	8.0	3.7	5.9	25	.4	2.4	24
30/05E-30G02	75-02-27	45	26	11	4.2	5.3	20	.4	.8	23
30/06E-29L01	71-04-21	55	3	11	6.8	5.2	17	.3	1.0	64
30/08E-16A01	60-03-16	72	0	20	5.3	5.8	15	.3	1.3	90
31/03E-24Q01	60-10-12	98	3	18	13	7.9	14	.4	2.5	116
31/04E-03L02	81-08-12	117	0	22	15	24	29	1.0	8.1	--
31/04E-18C01	60-10-05	144	0	28	18	13	16	.5	4.5	187
31/04E-22C01	72-05-19	54	5	9.4	7.4	6.8	21	.4	1.4	60
31/04E-24N01S	44-09-02	48	0	9.0	6.2	5.6	20	.4	1.4	66
31/04E-26B01	60-06-23	48	0	12	4.5	5.5	19	.4	1.7	55
31/05E-02L01	61-04-27	37	3	9.0	3.5	2.2	11	.2	.7	41
31/05E-07G01	44-09-02	183	0	37	22	27	24	.9	4.9	213
	60-10-05	176	0	39	19	47	35	1.6	8.6	230
31/05E-07H01	44-09-02	100	0	17	14	5.5	10	.2	2.3	128
31/05E-15A01	44-09-02	61	0	9.4	9.0	4.7	14	.3	1.5	76
31/05E-15R02	43-05-13	58	--	12	6.7	3.6	--	.2	--	--
31/05E-24R01	81-08-12	129	0	27	15	6.1	9	.2	2.8	--
31/05E-28C01	44-09-02	26	8	5.4	3.1	4.7	27	.4	.7	22
32/04E-21P01	81-08-12	93	0	21	9.8	8.5	16	.4	2.1	--
32/04E-28B01	60-10-12	90	19	18	11	8.7	17	.4	1.1	96
	61-04-24	85	24	16	11	8.4	17	.4	.8	74
32/04E-29B02	48-02-17	123	0	23	16	10	--	.4	--	186
	49-01-31	108	--	17	16	7.2	--	.3	--	--
	60-10-05	108	0	22	13	16	23	.7	6.4	158
32/06E-18H01	60-10-05	170	0	40	17	66	45	2.3	6.4	359
32/07E-17G01	72-05-18	73	3	19	6.3	3.0	8	.2	.9	85
32/08E-12L01	72-05-18	51	0	16	2.7	2.5	9	.2	1.1	63
32/09E-14J01	72-10-00	44	5	14	2.3	4.4	17	.3	.9	48

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				SNOHOMISH						
30/05E-29B08	75-02-27	--	--	20	--	11	5.2	<.1	14	78
30/05E-30G02	75-02-27	--	--	19	--	8.2	4.2	<.1	18	104
30/06E-29L01	71-04-21	--	--	52	--	5.8	3.7	.3	23	80
30/08E-16A01	60-03-16	0	--	74	--	6.5	3.0	.2	19	105
31/03E-24Q01	60-10-12	0	--	95	--	13	9.5	.1	32	147
31/04E-03L02	81-08-12	--	--	--	180	1.0	4.3	.2	34	--
31/04E-18C01	60-10-05	0	--	153	--	3.8	9.8	.4	48	224
31/04E-22C01	72-05-19	0	--	49	--	6.1	4.9	.0	36	134
31/04E-24N01S	44-09-02	0	--	54	--	3.4	3.6	.2	31	90
31/04E-26B01	60-06-23	0	--	53	--	3.8	3.2	.1	32	91
31/05E-02L01	61-04-27	0	--	34	--	8.0	1.5	.0	8.5	58
31/05E-07G01	44-09-02	10	--	191	--	1.0	41	.1	39	271
	60-10-05	0	--	189	--	.4	64	.2	39	343
31/05E-07H01	44-09-02	0	--	105	--	3.0	4.6	.0	28	131
31/05E-15A01	44-09-02	0	--	62	--	7.0	2.8	.1	28	101
31/05E-15R02	43-05-13	--	--	--	--	12	7.9	--	18	104
31/05E-24R01	81-08-12	--	--	--	130	<1.0	1.8	.1	42	--
31/05E-28C01	44-09-02	0	--	18	--	3.2	6.4	.1	12	65
32/04E-21P01	81-08-12	--	--	--	94	3.0	7.0	.1	38	--
32/04E-28B01	60-10-12	0	--	71	--	21	8.2	.1	30	152
	61-04-24	0	--	61	--	21	7.2	.1	26	147
32/04E-29B02	48-02-17	0	--	153	--	8.4	9.4	--	30	247
	49-01-31	0	--	--	--	6.2	6.3	--	42	230
	60-10-05	0	--	130	--	11	6.0	.2	33	180
32/06E-18H01	60-10-05	0	--	294	--	5.4	5.8	.4	24	357
32/07E-17G01	72-05-18	0	--	70	--	9.1	.7	.0	16	134
32/08E-12L01	72-05-18	0	--	52	--	4.4	.2	.0	20	124
32/09E-14J01	72-10-00	0	--	39	--	4.4	2.2	.0	24	72

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				SNOHOMISH						
30/05E-29B08	75-02-27	62	--	--	--	2.7	--	40	--	<10
30/05E-30G02	75-02-27	63	--	--	--	6.4	--	360	--	<10
30/06E-29L01	71-04-21	88	--	--	2.7	--	20	--	<20	--
30/08E-16A01	60-03-16	105	--	.10	--	--	--	--	--	--
31/03E-24Q01	60-10-12	153	--	.30	--	--	30	--	--	--
31/04E-03L02	81-08-12	217	--	--	--	.11	--	480	--	200
31/04E-18C01	60-10-05	217	--	1.1	--	--	4300	--	--	--
31/04E-22C01	72-05-19	102	--	--	1.5	--	70	--	<20	--
31/04E-24N01S	44-09-02	93	--	.60	--	--	--	--	--	--
31/04E-26B01	60-06-23	95	--	.70	--	--	80	--	--	--
31/05E-02L01	61-04-27	54	--	.70	--	--	80	--	--	--
31/05E-07G01	44-09-02	297	--	.10	--	--	1100	--	--	--
	60-10-05	330	--	8.5	--	--	1800	--	--	--
31/05E-07H01	44-09-02	137	--	4.5	--	--	9400	--	--	--
31/05E-15A01	44-09-02	100	--	1.2	--	--	100	--	--	--
31/05E-15R02	43-05-13	--	--	--	--	--	30	--	--	--
31/05E-24R01	81-08-12	175	--	--	--	.23	--	18	--	540
31/05E-28C01	44-09-02	46	--	12	--	--	10	--	--	--
32/04E-21P01	81-08-12	146	--	--	--	.11	--	16	--	11
32/04E-28B01	60-10-12	140	--	6.0	--	--	40	--	--	--
	61-04-24	127	--	9.1	--	--	20	--	--	--
32/04E-29B02	48-02-17	198	--	--	--	--	<1000	--	--	--
	49-01-31	--	--	1.0	--	--	<1000	--	--	--
	60-10-05	185	--	.60	--	--	130	--	--	--
32/06E-18H01	60-10-05	342	--	6.6	--	--	830	--	--	--
32/07E-17G01	72-05-18	97	--	--	.05	--	2000	--	<20	--
32/08E-12L01	72-05-18	78	--	--	.28	--	80	--	<20	--
32/09E-14J01	72-10-00	76	--	--	1.2	--	20	--	0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				THURSTON						
16/02E-17N01	46 51 59	122 35 29	01	72-04-27	61	250.00	119	6.6	9.2	--
17/01E-01D01	46 59 38	122 37 50	01	80-02-13	--	--	51	7.4	5.0	<5
17/01W-04A01	46 59 44	122 49 38	01	68-02-15	--	--	77	6.8	--	--
17/02E-19J05	46 56 37	122 35 28	05	52-02-12	87	350.00	97	7.0	10.5	--
17/02E-19N01	46 56 25	122 35 17	01	59-11-12	63	350.00	101	6.7	10.0	--
17/02E-29L04	46 55 44	122 34 51	04	52-02-12	66	350.00	129	7.3	10.5	--
17/02W-11F01	46 58 36	122 53 56	01	68-02-15	--	--	78	6.9	--	--
18/01E-18A01	47 03 13	122 43 15	01	55-11-16	120	20.00	139	6.9	--	--
18/01E-18B01	47 03 06	122 43 33	01	81-09-18	84	20.00	125	7.2	10.7	<1
18/01E-34K01	46 59 59	122 39 30	01	72-01-10	--	273.00	142	8.2	9.8	--
18/01E-35P01	46 59 49	122 39 54	01	72-01-10	123	--	163	7.2	9.8	--
18/01E-35P02	46 59 54	122 39 47	01	81-08-18	220	90.00	134	7.2	18.6	5
18/01W-10P03	47 03 24	122 46 56	01	58-04-17	178	200.00	110	6.9	10.0	--
18/01W-13G01	47 02 53	122 44 44	01	72-01-10	269	218.00	125	7.0	9.4	--
18/01W-15H01	47 02 59	122 46 59	01	59-11-13	186	170.00	126	7.3	11.0	--
18/01W-21P03	47 02 16	122 48 19	01	81-08-25	479	178.00	125	7.5	9.0	<1
18/01W-21Q03	47 02 12	122 49 15	01	58-04-20	153	190.00	111	7.3	10.5	--
18/02W-14F01	47 02 59	122 53 58	01	68-02-15	--	--	123	7.5	--	--
18/02W-14L01	47 02 40	122 53 45	01	68-02-15	--	--	163	7.8	--	--
18/02W-17H02	47 02 54	122 57 04	01	81-07-01	119	185.00	108	6.6	17.0	<1
18/02W-18K01	47 02 37	122 58 33	01	70-12-16	180	180.00	88	6.9	3.3	--
18/02W-24P01	47 01 37	122 52 37	01	44-12-30	207	--	136	--	--	--
18/02W-35H02	47 00 05	122 54 11	01	62-11-14	90	--	64	7.3	10.6	--
19/01W-04D02	47 10 12	122 49 02	01	60-12-10	131	--	262	7.2	8.5	--
				61-04-26	131	--	274	7.6	12.0	--
19/01W-22G01	47 07 16	122 47 10	01	81-09-25	129	120.00	111	7.3	12.6	<1
19/02W-09R01	47 08 32	122 55 38	01	59-11-12	360	10.00	192	7.2	11.0	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				THURSTON						
16/02E-17N01	72-04-27	41	0	8.8	4.6	6.5	25	.5	2.1	62
17/01E-01D01	80-02-13	20	0	5.1	1.7	3.4	26	.3	.8	--
17/01W-04R01	68-02-15	27	1	7.5	2.0	4.4	26	.4	.6	32
17/02E-19J05	52-02-12	33	5	7.8	3.4	4.7	22	.4	1.6	34
17/02E-19N01	59-11-12	34	3	9.0	2.9	4.6	22	.4	1.0	38
17/02E-29L04	52-02-12	51	0	11	5.7	6.1	20	.4	2.0	64
17/02W-11F01	68-02-15	28	0	7.2	2.4	4.0	23	.3	.8	35
18/01E-18A01	55-11-16	53	0	12	5.7	6.4	20	.4	2.1	75
18/01E-18R01	81-08-18	48	0	11	5.1	5.4	19	.3	1.7	--
18/01E-34K01	72-01-10	47	0	8.8	6.0	7.0	23	.5	2.7	69
18/01E-35P01	72-01-10	56	0	10	7.5	12	31	.7	1.1	102
18/01E-35P02	81-08-18	47	0	9.6	5.7	7.6	25	.5	1.5	--
18/01W-10P03	58-04-17	36	0	6.4	4.9	8.2	32	.6	2.0	60
18/01W-13G01	72-01-10	45	0	9.9	4.9	5.8	21	.4	1.8	66
18/01W-15H01	59-11-13	49	0	12	4.6	5.5	19	.4	1.7	72
18/01W-21R03	81-08-25	46	0	6.7	7.0	5.4	19	.4	3.1	--
18/01W-21D03	58-04-20	38	5	6.4	5.4	5.2	22	.4	2.0	60
18/02W-14F01	68-02-15	46	0	11	4.5	7.4	25	.5	1.8	70
18/02W-14L01	68-02-15	59	0	15	5.2	10	26	.6	2.4	99
18/02W-17H02	81-07-01	41	0	10	4.0	4.9	20	.3	.8	--
18/02W-18K01	70-12-16	32	0	7.6	3.1	3.9	20	.3	1.8	45
18/02W-24P01	44-12-30	57	0	8.0	9.1	6.3	19	.4	1.7	73
18/02W-35H02	62-11-14	22	0	4.5	2.6	3.7	25	.4	1.4	28
19/01W-04D02	60-12-10	112	4	17	17	9.7	16	.4	2.0	132
	61-04-26	122	10	16	20	9.4	14	.4	2.0	137
19/01W-22G01	81-08-25	41	0	6.7	5.9	5.6	22	.4	1.8	--
19/02W-09R01	59-11-12	47	0	14	2.9	20	47	1.3	1.9	92

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				THURSTON						
16/02E-17M01	72-04-27	0	--	51	--	3.2	3.8	.1	40	100
17/01E-01D01	80-02-13	--	--	22	--	3.7	2.9	.0	15	44
17/01W-04B01	68-02-15	0	--	26	--	5.6	2.4	.1	20	58
17/02E-19J05	52-02-12	0	--	28	--	4.4	5.2	.5	21	75
17/02E-19N01	59-11-12	0	--	31	--	4.4	3.8	.0	23	75
17/02E-29L04	52-02-12	0	--	52	--	3.5	3.5	.2	33	103
17/02W-11F01	68-02-15	0	--	29	--	3.0	1.9	.1	24	59
18/01E-18A01	55-11-16	0	--	62	--	2.9	4.5	.1	36	107
18/01E-18B01	81-08-18	--	--	--	49	2.2	3.2	.1	39	--
18/01E-34K01	72-01-10	0	--	57	--	3.4	4.1	.1	49	122
18/01E-35P01	72-01-10	0	--	84	--	2.5	3.0	.3	58	108
18/01E-35P02	81-08-18	--	--	--	54	.3	3.3	.1	36	--
18/01W-10R03	59-04-17	0	--	49	--	5.6	1.0	.1	--	106
18/01W-13G01	72-01-10	0	--	54	--	3.7	2.4	.2	40	104
18/01W-15H01	59-11-13	0	--	59	--	1.3	2.8	.1	45	104
18/01W-21B03	81-08-25	--	--	--	48	<5.0	3.8	.2	47	--
18/01W-21D03	59-04-20	0	--	33	--	10	3.0	.1	35	88
18/02W-14F01	68-02-15	0	--	57	--	.2	1.7	.1	42	105
18/02W-14L01	68-02-15	0	--	81	--	.2	3.2	.2	41	124
18/02W-17H02	81-07-01	--	--	--	46	.5	3.2	.0	27	--
18/02W-18K01	70-12-16	0	--	37	--	.5	2.9	.1	28	76
18/02W-24P01	44-12-30	0	--	60	--	6.0	3.2	.1	34	104
18/02W-35M02	62-11-14	0	--	23	--	4.4	2.5	.1	26	--
19/01W-04D02	60-12-10	0	--	108	--	3.1	18	.1	32	155
	61-04-26	0	--	112	--	3.0	20	.1	31	185
19/01W-22G01	81-08-25	--	--	--	49	<5.0	2.4	.1	35	--
19/02W-09R01	59-11-12	0	--	75	--	.3	10	.1	46	143

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				THURSTON					
16/02E-17N01	72-04-27	107	--	.55	--	30	--	<20	--
17/01E-01D01	80-02-13	46	--	.29	--	--	160	--	80
17/01W-04R01	68-02-15	58	1.9	--	--	10	--	<5	--
17/02E-19J05	52-02-12	65	9.4	--	--	2000	--	--	--
17/02E-19N01	59-11-12	67	5.0	--	--	250	--	--	--
17/02E-29L04	52-02-12	96	4.7	--	--	1200	--	--	--
17/02W-11F01	68-02-15	61	5.0	--	--	<10	--	<5	--
18/01E-18A01	55-11-16	107	.40	--	--	240	--	--	--
18/01E-18B01	81-08-18	97	--	--	.86	--	12	--	<1
18/01E-34K01	72-01-10	115	--	.51	--	--	--	--	--
18/01E-35P01	72-01-10	145	--	.01	--	600	--	220	--
18/01E-35P02	81-08-18	97	--	--	.37	--	450	--	120
18/01W-10R03	58-04-17	--	.80	--	--	790	--	--	--
18/01W-13G01	72-01-10	102	--	.50	--	2000	--	<20	--
18/01W-15H01	59-11-13	108	.30	--	--	20	--	--	--
18/01W-21B03	81-08-25	107	--	--	.00	--	200	--	280
18/01W-21D03	58-04-20	87	6.6	--	--	60	--	--	--
18/02W-14F01	68-02-15	103	2.7	--	--	10	--	60	--
18/02W-14L01	68-02-15	126	.10	--	--	10	--	110	--
18/02W-17H02	81-07-01	78	--	--	.85	--	20	--	4
18/02W-18K01	70-12-16	70	.60	--	--	60	--	<20	--
18/02W-24P01	44-12-30	104	.20	--	--	250	--	--	--
18/02W-35H02	62-11-14	59	2.3	--	--	910	--	<50	--
19/01W-04D02	60-12-10	164	.30	--	--	110	--	--	--
	61-04-26	169	.30	--	--	50	--	--	--
19/01W-22G01	81-08-25	92	--	--	.02	--	54	--	22
19/02W-09P01	59-11-12	140	.80	--	--	620	--	--	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				WHATCOM						
37/01E-02E03	48 43 35	122 39 21	01	71-10-22	127	--	430	8.4	11.1	--
37/01E-02K07	48 43 29	122 38 40	01	71-03-11	--	--	420	8.2	10.0	--
37/01E-02M03	48 43 20	122 39 15	01	72-11-03	72	--	460	7.7	--	--
37/01E-03H01	48 43 40	122 39 35	01	72-06-29	--	--	310	7.4	--	--
37/04E-29R01	48 39 43	122 18 49	01	81-07-23	278	565.00	148	7.4	11.7	<1
37/04E-32F01	48 39 10	122 19 37	01	72-05-18	178	420.00	172	7.8	8.8	--
37/08E-25E01S	48 40 02	121 42 53	01	54-10-27	--	--	113	7.3	12.0	--
38/01E-04M01	48 48 33	122 42 06	01	72-06-29	--	--	300	7.0	--	--
38/01E-13K01	48 46 58	122 37 24	01	71-11-19	--	--	2500	8.0	--	--
38/01E-25D01	48 45 28	122 37 58	01	71-05-13	168	--	--	7.6	--	--
38/01E-25J03	48 45 06	122 37 13	01	71-06-29	97	--	823	--	--	--
				71-06-29	97	--	819	--	10.0	--
				71-06-30	97	--	832	--	--	--
38/01E-26G01	48 45 27	122 38 51	01	71-11-19	--	--	270	8.0	--	--
38/01E-26J01	48 45 03	122 38 29	01	72-06-29	--	--	420	7.3	--	--
38/01E-26Q01	48 44 55	122 38 43	01	72-06-19	--	--	368	7.5	--	--
				73-01-04	--	--	400	7.7	--	--
38/01E-34G01	48 44 26	122 40 03	01	72-06-29	--	--	268	7.8	--	--
38/02E-23E02	48 46 06	122 31 24	01	62-11-13	79	--	266	6.7	10.0	--
38/02E-30D01	48 45 29	122 36 40	01	71-11-19	--	--	570	7.5	--	--
38/02E-30D03	48 45 40	122 36 39	01	71-05-27	--	--	1600	7.5	10.0	--
				72-07-25	--	--	1320	7.5	--	--
38/03E-05C01	48 49 05	122 27 10	01	62-11-13	182	--	600	7.2	10.0	--
38/03E-17A01	48 47 20	122 26 35	01	62-11-13	--	--	225	6.8	8.9	--
39/01E-01C01	48 54 16	122 37 42	01	67-03-10	31	--	165	6.8	--	--
39/01E-24J01	48 51 17	122 36 59	01	71-04-22	282	310.00	686	8.4	9.8	--
39/02E-18F02	48 52 24	122 36 30	01	81-07-22	236	220.00	595	8.1	11.0	<1
39/02E-19M01	48 51 15	122 36 47	01	59-12-17	161	--	1030	8.4	7.0	--
39/02E-19Q02	48 50 55	122 36 04	02	70-11-03	160	--	1056	8.1	10.0	--
39/02E-28J01	48 50 18	122 33 19	01	81-07-22	27	90.00	295	7.0	11.8	<1
39/02E-36D01S	48 49 55	122 30 15	01	49-04-07	--	--	296	7.3	--	--
39/03E-18D02	48 52 33	122 28 57	01	60-03-01	24	--	218	6.9	--	--
39/03E-31N02	48 49 18	122 29 01	01	71-04-22	112	190.00	517	7.9	9.8	--
39/07E-08D01	48 53 15	121 56 07	01	66-02-09	200	--	404	7.5	5.0	--
40/01E-03D01	48 59 35	122 40 40	01	62-01-04	80	--	--	7.8	--	--
				65-03-11	80	--	133	7.9	--	--
				68-04-15	80	--	143	8.4	6.0	--
				69-05-08	80	--	140	8.1	12.2	--
40/01E-03F01	48 59 17	122 40 20	01	59-12-17	53	--	129	7.5	9.0	--
40/01E-03M01	48 59 04	122 40 43	01	72-04-12	97	--	127	7.5	8.5	--

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
				WHATCOM						
37/01E-02E03	71-10-22	47	0	11	4.8	82	76	5.4	7.6	227
37/01E-02K07	71-03-11	115	7	18	17	56	49	2.3	8.3	132
37/01E-02M03	72-11-03	261	21	42	38	23	16	.6	4.0	293
37/01E-03H01	72-06-29	149	13	12	29	15	18	.5	3.1	166
37/04E-29R01	81-07-23	62	14	17	4.8	3.6	11	.2	.8	--
37/04E-32F01	72-05-18	79	3	21	6.4	4.6	11	.2	.6	93
37/08E-25E01S	54-10-27	37	15	8.4	3.9	6.4	26	.5	2.4	27
38/01E-04M01	72-06-29	88	18	14	13	16	28	.8	2.1	85
38/01E-13K01	71-11-19	596	446	110	78	345	55	6.3	24	183
38/01E-25D01	71-05-13	337	170	79	34	35	18	.9	12	203
38/01E-25J03	71-06-29	205	46	49	20	90	47	2.8	9.9	194
	71-06-29	--	--	--	--	--	--	--	--	--
	71-06-30	198	38	48	19	92	49	2.9	9.0	195
38/01E-26G01	71-11-19	126	34	29	13	15	20	.6	3.0	112
38/01E-26J01	72-06-29	139	0	46	5.8	19	23	.7	2.7	205
38/01E-26Q01	72-06-19	184	78	34	24	23	21	.8	3.3	129
	73-01-04	151	53	34	16	34	32	1.2	4.1	120
38/01E-34G01	72-06-29	119	51	18	18	14	20	.6	2.7	83
38/02E-23E02	62-11-13	90	17	18	11	17	29	.8	1.4	89
38/02E-30D01	71-11-19	155	0	24	23	70	48	2.5	7.8	195
38/02E-30D03	71-05-27	205	0	36	28	260	71	8.1	18	273
	72-07-25	256	39	25	47	216	63	5.9	15	264
38/03E-05C01	62-11-13	272	0	56	32	30	19	.8	4.0	349
38/03E-17A01	62-11-13	94	14	18	12	8.4	16	.4	1.2	98
39/01E-01C01	67-03-10	36	2	9.8	2.9	19	51	1.4	2.1	42
39/01E-24J01	71-04-22	137	0	30	15	93	58	3.6	8.1	311
39/02E-18F02	81-07-22	21	0	4.5	2.4	140	92	14	3.0	--
39/02E-19M01	59-12-17	207	0	45	23	132	57	4.1	7.6	299
39/02E-19Q02	70-11-03	172	0	36	20	161	66	5.5	7.1	323
39/02E-28J01	81-07-22	115	45	28	11	9.5	15	.4	1.7	--
39/02E-36D01S	49-04-07	99	0	23	10	18	28	.8	3.0	124
39/03E-18D02	60-03-01	72	33	16	7.8	12	--	.6	--	47
39/03E-31N02	71-04-22	126	0	29	13	63	50	2.5	8.7	316
39/07E-08D01	66-02-09	199	25	70	5.9	6.0	6	.2	2.3	212
40/01E-03D01	62-01-04	57	0	14	5.4	5.5	17	.3	1.3	73
	65-03-11	55	0	14	4.8	5.4	17	.3	1.0	72
	68-04-15	60	0	16	4.9	5.5	16	.3	1.2	72
	69-05-08	58	0	15	4.9	5.3	16	.3	1.2	75
40/01E-03F01	59-12-17	51	0	12	5.2	5.1	17	.3	1.3	70
40/01E-03M01	72-04-12	48	0	11	4.9	6.3	22	.4	1.3	71

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				WHATCOM						
37/01E-02E03	71-10-22	9	--	201	--	18	16	.2	23	288
37/01E-02K07	71-03-11	--	--	108	--	79	26	.2	2.5	--
37/01E-02M03	72-11-03	--	--	240	--	34	27	.1	8.3	--
37/01E-03H01	72-06-29	--	--	136	--	12	23	.6	23	--
37/04E-29R01	81-07-23	--	--	--	48	10	2.0	.0	17	--
37/04E-32F01	72-05-18	0	--	76	--	6.4	1.2	.0	21	152
37/08E-25E01S	54-10-27	0	--	22	--	25	4.0	.2	23	88
38/01E-04M01	72-06-29	--	--	70	--	20	20	.2	7.3	--
38/01E-13K01	71-11-19	--	--	150	--	58	825	.1	4.0	--
38/01E-25D01	71-05-13	--	--	167	--	28	150	.1	5.0	--
38/01E-25J03	71-06-29	--	--	159	--	26	150	--	--	--
	71-06-29	--	--	--	--	25	150	--	--	--
	71-06-30	--	--	160	--	26	150	--	--	--
38/01E-26G01	71-11-19	--	--	92	--	24	24	.1	5.0	--
38/01E-26J01	72-06-29	--	--	168	--	9.3	24	.1	31	--
38/01E-26Q01	72-06-19	--	--	106	--	11	36	.1	9.8	--
	73-01-04	--	--	98	--	28	60	.2	26	--
38/01E-34G01	72-06-29	--	--	68	--	24	18	.2	40	--
38/02E-23E02	62-11-13	0	--	73	--	24	19	.1	17	--
38/02E-30D01	71-11-19	--	--	160	--	15	99	.3	4.5	--
38/02E-30D03	71-05-27	--	--	224	--	48	305	.3	6.3	--
	72-07-25	--	--	217	--	67	325	.1	6.3	--
38/03E-05C01	62-11-13	0	--	303	--	27	6.0	.2	23	--
38/03E-17A01	62-11-13	0	--	80	--	13	10	.1	17	--
39/01E-01C01	67-03-10	0	--	34	--	12	23	.2	19	104
39/01E-24J01	71-04-22	35	--	313	--	5.0	49	.2	29	400
39/02E-18F02	81-07-22	--	--	--	310	1.0	5.9	.3	24	--
39/02E-19M01	59-12-17	6	--	247	--	24	162	.2	21	556
39/02E-19Q02	70-11-03	0	--	265	--	23	173	.1	20	595
39/02E-28J01	81-07-22	--	--	--	70	14	20	.1	25	--
39/02E-36D01S	49-04-07	0	--	102	--	8.5	22	.2	19	171
39/03E-18D02	60-03-01	0	--	39	--	12	14	.2	22	132
39/03E-31N02	71-04-22	--	--	259	--	.8	16	.5	35	320
39/07E-08D01	66-02-09	0	--	174	--	34	.8	.4	26	262
40/01E-03D01	62-01-04	0	--	60	--	6.0	2.5	.1	25	98
	65-03-11	0	--	59	--	5.6	2.8	.2	21	93
	68-04-15	2	--	62	--	6.0	3.0	.2	25	104
	69-05-08	0	--	62	--	6.3	2.4	.1	24	99
40/01E-03F01	59-12-17	0	--	57	--	4.4	2.5	.1	25	93
40/01E-03M01	72-04-12	0	--	58	--	5.3	2.3	.1	30	110

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
				WHATCOM						
37/01E-02E03	71-10-22	293	--	--	.05	--	30	--	<20	--
37/01E-02K07	71-03-11	272	1.4	--	--	--	60	--	6	--
37/01E-02M03	72-11-03	320	.03	--	--	--	180	--	12	--
37/01E-03H01	72-06-29	199	1.4	--	1.4	--	<10	--	3	--
37/04E-29R01	81-07-23	84	--	--	--	1.4	--	20	--	10
37/04E-32F01	72-05-18	107	--	--	.97	--	110	--	<20	--
37/08E-25E01S	54-10-27	87	--	.30	--	--	20	--	--	--
38/01E-04M01	72-06-29	134	.67	--	.70	--	<10	--	3	--
38/01E-13K01	71-11-19	1534	2.8	--	--	--	240	--	0	--
38/01E-25D01	71-05-13	443	2.9	--	2.9	--	160	--	170	--
38/01E-25J03	71-06-29	--	--	--	--	--	--	--	--	--
	71-06-29	--	.05	--	.05	--	--	--	--	--
	71-06-30	--	.00	--	.00	--	--	--	--	--
38/01E-26G01	71-11-19	168	.15	--	.20	--	220	--	6	--
38/01E-26J01	72-06-29	239	2.5	--	2.7	--	320	--	9	--
38/01E-26Q01	72-06-19	205	2.0	--	2.2	--	160	--	3	--
	73-01-04	261	1.6	--	--	--	320	--	<10	--
38/01E-34G01	72-06-29	176	6.0	--	6.0	--	180	--	3	--
38/02E-23E02	62-11-13	151	--	8.1	--	--	10	--	--	--
38/02E-30D01	71-11-19	339	.65	--	.80	--	180	--	0	--
38/02E-30D03	71-05-27	836	3.4	--	3.4	--	50	--	9	--
	72-07-25	831	3.3	--	3.3	--	<10	--	6	--
38/03E-05C01	62-11-13	350	--	.10	--	--	1100	--	<50	--
38/03E-17A01	62-11-13	128	--	6.6	--	--	280	--	<50	--
39/01E-01C01	67-03-10	109	--	.30	--	--	10	--	--	--
39/01E-24J01	71-04-22	454	--	--	.40	--	240	--	100	--
39/02E-18F02	81-07-22	367	--	--	--	.03	--	90	--	30
39/02E-19M01	59-12-17	569	--	.00	--	--	60	--	--	--
39/02E-19Q02	70-11-03	599	--	1.1	--	--	70	--	150	--
39/02E-28J01	81-07-22	151	--	--	--	6.8	--	10	--	2
39/02E-36Q01S	49-04-07	155	--	2.0	--	--	10	--	--	--
39/03E-18D02	60-03-01	107	--	32	--	--	280	--	--	--
39/03E-31N02	71-04-22	322	--	--	1.3	--	1400	--	400	--
39/07E-08D01	66-02-09	250	--	.80	--	--	250	--	700	--
40/01E-03D01	62-01-04	96	--	.40	--	--	10	--	<50	--
	65-03-11	90	--	.90	--	--	--	--	<50	--
	68-04-15	101	--	.80	--	--	<10	--	10	--
	69-05-08	96	--	.50	--	--	30	--	<50	--
40/01E-03F01	59-12-17	90	--	.10	--	--	<10	--	--	--
40/01E-03M01	72-04-12	96	--	--	.26	--	4800	--	80	--

TABLE 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
				WHATCOM						
40/01E-03M01S	48 59 05	122 40 44	01	49-04-07	--	--	133	7.3	--	--
40/03E-06L02	48 58 58	122 28 29	01	81-07-22	36	123.00	280	6.6	15.0	--
40/03E-09R01	48 57 49	122 25 18	01	60-03-01	37	--	131	6.8	--	--
40/03E-09R03	48 57 54	122 25 10	01	81-07-22	36	120.00	188	6.7	11.0	<1
40/03E-23M01	48 56 29	122 23 31	01	81-07-23	20	70.00	298	6.2	11.0	5
40/03E-36H01	48 53 54	122 21 15	01	49-04-08	30	90.00	388	6.6	9.0	--
40/04E-09A01	48 58 40	122 17 21	01	60-03-02	15	--	195	7.1	--	--
40/04E-10A02	48 58 35	122 16 09	01	72-04-12	53	--	310	8.2	9.6	--
40/04E-10B02	48 58 41	122 16 17	01	81-07-22	59	43.00	390	6.8	10.1	<1
40/04E-10D01	48 58 32	122 17 00	01	49-04-08	84	--	245	6.8	--	--
41/01E-31Q01	48 59 34	122 44 03	01	58-03-26	247	55.00	171	8.0	10.0	--

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)
40/01E-03M01S	49-04-07	57	0	12	6.5	5.8	18	.3	2.0	78
40/03E-06L02	81-07-22	110	52	32	7.2	9.1	14	.4	6.0	--
40/03E-09R01	60-03-01	48	23	14	3.1	--	--	--	--	30
40/03E-09R03	81-07-22	79	36	22	5.9	4.1	0	.2	1.7	--
40/03E-23M01	81-07-23	91	51	20	9.9	14	24	.7	5.0	--
40/03E-36H01	49-04-08	119	83	28	12	21	27	.9	2.2	44
40/04E-09A01	60-03-02	92	76	7.0	18	--	--	--	--	20
40/04E-10A02	72-04-12	141	18	12	27	6.5	9	.2	2.5	150
40/04E-10B02	81-07-22	143	0	21	22	7.2	0	.3	2.3	--
40/04E-10D01	49-04-08	105	0	14	17	13	21	.6	2.8	138
41/01E-31Q01	58-03-26	63	0	14	6.8	9.9	24	.6	4.0	96

TABLE 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
				WHATCOM						
40/01E-03M01S	49-04-07	0	--	64	--	6.7	3.3	.2	24	90
40/03E-06L02	81-07-22	--	--	--	58	47	18	.0	24	--
40/03E-09R01	60-03-01	0	--	25	--	10	6.0	.1	--	83
40/03E-09R03	81-07-22	--	--	--	43	25	10	.0	17	--
40/03E-23M01	81-07-23	--	--	--	40	15	28	.0	12	--
40/03E-36H01	49-04-08	0	--	36	--	12	84	.2	19	215
40/04E-09A01	60-03-02	0	--	16	--	1.4	3.0	--	--	--
40/04E-10A02	72-04-12	0	--	123	--	19	15	.1	45	224
40/04E-10R02	81-07-22	--	--	--	150	10	5.1	.2	50	--
40/04E-10D01	49-04-08	0	--	113	--	1.6	14	.2	--	175
41/01E-31Q01	58-03-26	0	--	79	--	8.8	2.0	.1	26	121

LOCAL IDENTIFIER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
40/01E-03M01S	49-04-07	99	--	.10	--	--	10	--	--	--
40/03E-06L02	81-07-22	186	--	--	--	.06	--	7900	--	340
40/03E-09R01	60-03-01	--	--	9.8	--	--	10	--	--	--
40/03E-09R03	81-07-22	112	--	--	--	2.0	--	50	--	130
40/03E-23M01	81-07-23	128	--	--	--	9.3	--	30	--	7
40/03E-36H01	49-04-08	200	--	5.6	--	--	10	--	--	--
40/04E-09A01	60-03-02	--	--	.80	--	--	4200	--	--	--
40/04E-10A02	72-04-12	201	--	--	.24	--	1300	--	310	--
40/04E-10R02	81-07-22	242	--	--	--	.02	--	31000	--	2800
40/04E-10D01	49-04-08	180	--	.20	--	--	12000	--	--	--
41/01E-31Q01	58-03-26	119	--	.00	--	--	130	--	--	--

TABLE 3.--Ground-water quality data--trace metals concentrations, by county

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				CLALLAM						
31/04W-27R01	48 08 52	123 10 05	01	71-03-30	53	35.00	30	--	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
31/04W-27R01	71-03-30	--	<30	--	<50	<100	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
	CLALLAM				
31/04W-27R01	71-03-30	--	--	--	100

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				ISLAND						
29/03E-08C01	48 01 07	122 27 11	01	72-06-08	157	140.00	<10	--	--	--
29/03E-08E02	48 00 55	122 27 35	01	81-08-18	103	41.97	--	<10	2	20
30/02E-08N02	48 05 48	122 35 22	02	81-08-18	194	190.00	--	<10	<1	10
30/02E-33A01	48 03 00	122 33 16	01	72-06-08	141	--	<10	--	--	--
30/03E-14K01	48 05 10	122 22 55	01	81-08-20	405	320.00	--	<10	7	50
32/01E-18A01	48 16 04	122 43 29	01	81-08-21	256	161.11	--	<10	1	100
32/03E-17R02	48 17 53	122 26 36	02	81-08-20	203	171.00	--	<10	5	110
33/02E-26D01	48 19 21	122 31 32	01	81-08-19	99	70.00	--	<10	1	20

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
29/03E-08C01	72-06-08	--	<30	--	<50	<100	--
29/03E-08E02	81-08-18	<1	<1	--	370	3	--
30/02E-08N02	81-08-18	<1	<1	--	800	1	--
30/02E-33A01	72-06-08	--	<30	--	<50	<100	--
30/03E-14K01	81-08-20	<1	<1	--	41	<1	--
32/01E-18A01	81-08-21	<1	<1	--	13	<1	--
32/03E-17R02	81-08-20	<1	<1	--	1100	<1	--
33/02E-26D01	81-08-19	<1	<1	--	450	<1	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
29/03E-08C01	72-06-08	--	--	--	50
29/03E-08E02	81-08-18	.3	<1	<1	190
30/02E-08N02	81-08-18	<.1	<1	<1	920
30/02E-33A01	72-06-08	--	--	--	<10
30/03E-14K01	81-08-20	.2	<1	<1	38
32/01E-18A01	81-08-21	.1	<1	<1	1300
32/03E-17R02	81-08-20	<.1	<1	<1	430
33/02E-26D01	81-08-19	.2	1	<1	280

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				JEFFERSON						
26/01W-29R01	47 42 37	122 49 19	01	64-09-29	300	--	<100	--	--	--
26/02W-35P01	47 41 38	122 53 45	01	72-02-28	28	10.00	730	--	--	--
26/03W-15M01	47 44 29	123 02 59	01	66-04-21	46	--	--	--	<5	--
27/02W-22R01	47 48 43	122 54 27	01	63-06-07	100	--	--	--	--	--
27/02W-27R01	47 48 32	122 54 48	01	63-09-16	50	--	--	--	--	--
30/01W-22K01	48 04 36	122 47 11	01	81-09-01	270	180.00	--	20	4	44

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
26/01W-29R01	64-09-29	--	--	--	--	--	--
26/02W-35P01	72-02-28	--	<30	--	<50	<100	--
26/03W-15M01	66-04-21	--	--	10	<5	--	--
27/02W-22R01	63-06-07	--	--	--	--	--	--
27/02W-27R01	63-09-16	--	--	--	--	--	--
30/01W-22K01	81-09-01	<1	10	--	12	<1	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
26/01W-29R01	64-09-29	--	--	--	--
26/02W-35P01	72-02-28	--	--	--	30
26/03W-15M01	66-04-21	--	--	--	10
27/02W-22R01	63-06-07	--	--	--	100
27/02W-27R01	63-09-16	--	--	--	<10
30/01W-22K01	81-09-01	<.1	<1	<1	58

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				KING						
19/07E-06E02	47 09 52	121 58 15	01	81-08-19	60	780.00	--	10	2	6
20/06E-29L01	47 11 28	122 04 17	01	81-08-24	168	635.00	--	10	2	10
20/10E-24C01	47 12 23	121 28 48	01	71-10-21	83	--	<10	--	--	--
21/04E-07D02	47 19 08	122 20 22	01	70-10-22	207	--	30	--	--	--
21/04E-20L02	47 17 25	122 19 35	01	81-06-17	275	240.00	--	<10	6	100
21/04E-25D01	47 16 24	122 14 12	01	81-08-21	47	90.00	--	10	<1	6
21/05E-18B01	47 18 47	122 12 52	01	70-11-16	293	--	10	--	--	--
				71-04-24	293	64.00	<10	--	--	--
21/05E-29E01	47 16 46	122 12 05	01	81-08-21	60	130.00	--	10	<1	6
21/07E-05H01	47 20 15	121 55 56	01	72-05-16	160	--	10	--	--	--
22/02E-12D01	47 24 23	122 29 15	01	81-09-03	575	330.00	--	30	8	9
22/05E-03D01	47 25 04	122 09 00	01	62-10-03	70	--	--	--	--	--
22/05E-06N01	47 24 58	122 13 34	01	62-10-03	208	--	--	--	--	--
				71-12-11	208	--	<10	--	--	--
22/06E-11M03	47 24 20	122 00 39	02	62-10-03	97	--	--	--	--	--
22/06E-26P01	47 21 34	122 00 43	01	72-05-16	50	560.00	180	--	--	--
22/10E-08M01	47 24 07	121 33 56	01	73-07-23	--	--	--	--	--	--
23/05E-09E01	47 29 48	122 10 50	01	51-06-04	424	--	10	--	--	--
23/05E-17F01	47 28 54	122 11 58	01	71-01-25	82	--	<10	--	--	--
23/05E-22A01	47 28 23	122 09 36	01	62-10-03	130	--	--	--	--	--
23/05E-23M01	47 27 51	122 09 17	01	62-10-03	665	--	--	--	--	--
23/08E-23R02	47 28 08	121 44 40	01	72-05-17	47	515.00	20	--	--	--
24/06E-06A01	47 36 08	122 04 47	01	81-07-07	87	40.00	--	<10	1	100
24/06E-27M01	47 32 14	122 02 00	01	71-04-20	107	80.00	<10	--	--	--
24/07E-34N01	47 31 01	121 54 13	01	71-04-20	432	990.00	<10	--	--	--
25/06E-09D01	47 40 29	122 03 20	01	71-04-20	377	395.00	<10	--	--	--
25/06E-18F01	47 39 23	122 05 20	01	71-01-25	81	--	<10	--	--	--
25/11E-16B01	47 40 12	121 23 34	01	73-06-19	--	--	--	--	--	--
26/04E-16K01	47 44 15	122 17 44	01	71-04-20	125	250.00	40	--	--	--
26/11E-21E01	47 43 43	121 24 22	01	71-05-28	107	--	<10	--	--	--
				73-06-19	107	--	--	--	--	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
		KING					
19/07E-06E02	81-08-19	<1	<1	--	1	<1	--
20/06E-29L01	81-08-24	<1	<1	--	1	1	--
20/10E-24C01	71-10-21	--	<30	--	<50	<100	--
21/04E-07D02	70-10-22	--	<30	--	<50	<100	--
21/04E-20L02	81-06-17	<1	10	--	410	7	--
21/04E-25Q01	81-09-21	<1	<1	--	2	1	--
21/05E-18B01	70-11-16	--	<30	--	<50	<10	--
	71-06-24	--	<30	--	<50	<100	--
21/05E-29E01	81-08-21	<1	<1	--	12	<1	--
21/07E-05H01	72-05-16	--	<30	--	<50	<100	--
22/02E-12Q01	81-09-03	<1	<1	--	800	<1	--
22/05E-03Q01	62-10-03	--	--	--	<5	--	--
22/05E-06N01	62-10-03	--	--	--	<5	--	--
	71-12-11	--	<30	--	<50	<100	--
22/06E-11M03	62-10-03	--	--	--	<5	--	--
22/06E-26P01	72-05-16	--	<30	--	<50	<100	--
22/10E-06M01	73-07-23	--	--	--	<20	--	--
23/05E-09E01	51-06-04	--	--	--	--	--	--
23/05E-17F01	71-01-25	--	<30	--	<50	<100	--
23/05E-22A01	62-10-03	--	--	--	<5	--	--
23/05E-23M01	62-10-03	--	--	--	<5	--	--
23/08E-23B02	72-05-17	--	<30	--	<50	<100	--
24/06E-06A01	81-07-07	<1	<1	--	7	<1	--
24/06E-27M01	71-04-20	--	<30	--	<50	<100	--
24/07E-34N01	71-04-20	--	<30	--	<50	<100	--
25/06E-09D01	71-04-20	--	<30	--	<50	<100	--
25/06E-18F01	71-01-25	--	<30	--	<50	<100	--
25/11E-16B01	73-06-19	--	--	--	140	--	--
26/04E-16K01	71-04-20	--	<30	--	<50	<100	--
26/11E-21E01	71-05-28	--	<30	--	<50	<100	--
	73-06-19	--	--	--	3	--	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
	KING				
19/07E-06E02	81-08-19	<.1	<1	<1	10
20/06E-29L01	81-08-24	<.1	<1	<1	98
20/10E-24C01	71-10-21	--	--	--	<10
21/04E-07Q02	70-10-22	--	--	--	30
21/04E-20L02	81-06-17	<.1	<1	<1	160
21/04E-25Q01	81-08-21	<.1	<1	<1	9
21/05E-18R01	70-11-16	--	--	--	20
	71-06-24	--	--	--	<10
21/05E-29E01	81-08-21	<.1	<1	<1	56
21/07E-05H01	72-05-16	--	--	--	60
22/02E-12Q01	81-09-03	.2	<1	<1	390
22/05E-03Q01	62-10-03	--	--	--	--
22/05E-06N01	62-10-03	--	--	--	--
	71-12-11	--	--	--	<10
22/06E-11M03	62-10-03	--	--	--	--
22/06E-26P01	72-05-16	--	--	--	<10
22/10E-08M01	73-07-23	--	--	--	40
23/05E-09E01	51-06-04	--	--	--	--
23/05E-17F01	71-01-25	--	--	--	10
23/05E-22A01	62-10-03	--	--	--	--
23/05E-23M01	62-10-03	--	--	--	--
23/08E-23R02	72-05-17	--	--	--	<10
24/06E-06A01	81-07-07	<.1	<1	<1	40
24/06E-27M01	71-04-20	--	--	--	<10
24/07E-34N01	71-04-20	--	--	--	<10
25/06E-09D01	71-04-20	--	--	--	200
25/06E-18F01	71-01-25	--	--	--	10
25/11E-16R01	73-06-19	--	--	--	340
26/04E-16K01	71-04-20	--	--	--	100
26/11E-21E01	71-05-28	--	--	--	150
	73-06-19	--	--	--	850

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				KITSAP						
24/01E-23E01	47 33 34	122 39 45	01	46-09-24	2000	--	940	--	--	--
24/01E-26K01	47 32 25	122 39 12	01	47-08-20	422	17.00	<100	--	--	--
24/01E-26K03	47 32 25	122 38 22	04	47-08-20	--	--	<100	--	--	--
24/01E-26K05	47 32 23	122 38 24	01	47-08-20	88	100.00	<100	--	--	--
24/01E-26L01	47 32 17	122 38 28	01	47-08-20	441	90.00	100	--	--	--
24/01E-32E05	47 31 46	122 42 37	01	81-07-16	136	55.00	--	<10	1	10
24/01E-33J01	47 31 31	122 40 35	01	71-03-29	91	170.00	60	--	--	--
24/02E-10B01	47 35 22	122 31 49	01	47-08-17	98	166.00	1300	--	--	--
24/02E-10B02	47 35 27	122 31 50	01	47-01-23	--	--	80	--	--	--
24/02E-15N01	47 33 48	122 32 25	01	48-09-20	305	--	740	--	--	--
24/02E-15P01	47 33 47	122 32 13	01	48-09-20	353	63.00	120	--	--	--
24/02E-16K01	47 34 10	122 33 09	01	48-09-20	136	25.00	1100	--	--	--
				52-01-11	136	--	20	--	--	--
				59-06-00	136	--	--	--	<5	--
24/02E-21F02	47 33 26	122 33 27	01	71-03-29	226	290.00	20	--	--	--
25/02E-17C01	47 39 46	122 34 26	01	49-12-22	910	155.00	540	--	--	--
25/02E-17C02	47 39 43	122 34 26	01	49-12-22	264	--	370	--	--	--
25/02E-35H01	47 36 57	122 30 02	01	46-07-24	30	--	100	--	--	--
25/02E-35H03	47 37 00	122 30 05	01	46-05-06	813	10.00	1100	--	--	--
26/01E-32K01	47 41 53	122 41 55	01	47-10-07	690	295.00	900	--	--	--
26/01E-32Q02	47 41 32	122 41 48	01	44-03-03	19	--	<100	--	--	--
26/01E-34F02	47 42 08	122 39 12	01	71-03-29	74	180.00	40	--	--	--
26/01E-36P01	47 41 50	122 37 12	01	48-05-20	380	--	740	--	--	--
26/01E-36P02	47 41 49	122 37 12	02	48-05-20	705	--	1200	--	--	--
26/01E-36P04	47 41 48	122 37 12	04	48-05-20	1036	--	530	--	--	--
26/03E-07Q01	47 45 22	122 28 21	01	44-06-13	136	110.00	460	--	--	--
27/02E-23K01	47 48 57	122 30 14	01	72-04-11	392	--	<10	--	--	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
		KITSAP					
24/01E-23E01	46-09-24	--	--	--	--	--	--
24/01E-26K01	47-08-20	--	--	--	--	--	--
24/01E-26K03	47-08-20	--	--	--	--	--	--
24/01E-26K05	47-08-20	--	--	--	--	--	--
24/01E-26L01	47-08-20	--	--	--	--	--	--
24/01E-32E05	81-07-16	<1	<1	--	2	<1	--
24/01E-33J01	71-03-29	--	<30	--	<50	<100	--
24/02E-10R01	47-08-17	--	--	--	--	--	--
24/02E-10R02	47-01-23	--	--	--	--	--	--
24/02E-15N01	48-09-20	--	--	--	--	--	--
24/02E-15P01	48-09-20	--	--	--	--	--	--
24/02E-16K01	48-09-20	--	--	--	--	--	--
	52-01-11	--	--	--	--	--	--
	59-06-00	<5	--	--	<100	<100	--
24/02E-21F02	71-03-29	--	<30	--	<50	<100	--
25/02E-17C01	49-12-22	--	--	--	--	--	--
25/02E-17C02	49-12-22	--	--	--	--	--	--
25/02E-35H01	46-07-24	--	--	--	--	--	--
25/02E-35H03	46-05-06	--	--	--	--	--	--
26/01E-32K01	47-10-07	--	--	--	--	--	--
26/01E-32Q02	44-03-03	--	--	--	--	--	--
26/01E-34F02	71-03-29	--	<30	--	<50	<100	--
26/01E-36P01	48-05-20	--	--	--	--	--	--
26/01E-36P02	48-05-20	--	--	--	--	--	--
26/01E-36P04	48-05-20	--	--	--	--	--	--
26/03E-07M01	44-06-13	--	--	--	--	--	--
27/02E-23K01	72-04-11	--	<30	--	<50	<100	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
	KITSAP				
24/01E-23E01	46-09-24	--	--	--	--
24/01E-26K01	47-08-20	--	--	--	--
24/01E-26K03	47-08-20	--	--	--	--
24/01E-26K05	47-08-20	--	--	--	--
24/01E-26L01	47-08-20	--	--	--	--
24/01E-32E05	81-07-16	.2	<1	<1	20
24/01E-33J01	71-03-29	--	--	--	150
24/02E-10R01	47-08-17	--	--	--	--
24/02E-10R02	47-01-23	--	--	--	--
24/02E-15N01	48-09-20	--	--	--	--
24/02E-15P01	48-09-20	--	--	--	--
24/02E-16K01	48-09-20	--	--	--	--
	52-01-11	--	--	--	--
	59-06-00	--	--	--	<100
24/02E-21F02	71-03-29	--	--	--	100
25/02E-17C01	49-12-22	--	--	--	--
25/02E-17C02	49-12-22	--	--	--	--
25/02E-35H01	46-07-24	--	--	--	--
25/02E-35H03	46-05-06	--	--	--	--
26/01E-32K01	47-10-07	--	--	--	--
26/01E-32Q02	44-03-03	--	--	--	--
26/01E-34F02	71-03-29	--	--	--	50
26/01E-36P01	48-05-20	--	--	--	--
26/01E-36P02	48-05-20	--	--	--	--
26/01E-36P04	48-05-20	--	--	--	--
26/03E-07M01	44-06-13	--	--	--	--
27/02E-23K01	72-04-11	--	--	--	120

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				MASON						
20/02W-05A01	47 15 27	122 57 06	01	71-03-29	110	--	40	--	--	--
20/02W-29D01	47 11 54	122 58 12	01	81-08-25	218	120.00	--	--	--	--
21/03W-04N01	47 19 50	123 04 42	01	71-03-30	292	520.00	10	--	--	--
23/01W-21F01	47 28 22	122 49 02	01	81-07-08	285	180.00	--	--	<1	90
23/02W-13R01	47 28 42	122 51 46	01	72-04-11	210	--	740	--	--	--
				72-04-11	210	--	74	--	--	--
24/04W-02L01	47 35 57	123 09 27	01	65-12-21	51	--	--	--	<5	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
20/02W-05A01	71-03-29	--	<30	--	<50	<100	--
20/02W-29D01	81-08-25	--	--	--	130	--	--
21/03W-04N01	71-03-30	--	<30	--	<50	<100	--
23/01W-21F01	81-07-08	<1	10	--	19	<1	--
23/02W-13R01	72-04-11	--	--	--	--	--	--
	72-04-11	--	<30	--	<50	<100	--
24/04W-02L01	65-12-21	--	--	<10	10	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
20/02W-05A01	71-03-29	--	--	--	<10
20/02W-29D01	81-08-25	--	--	--	--
21/03W-04N01	71-03-30	--	--	--	<10
23/01W-21F01	81-07-08	<.1	<1	<1	40
23/02W-13R01	72-04-11	--	--	--	--
	72-04-11	--	--	--	<10
24/04W-02L01	65-12-21	--	--	--	<50

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				PIERCE						
15/04E-12J01	46 47 53	122 14 09	01	72-04-27	156	--	90	--	--	--
15/07E-33J03	46 44 30	121 55 13	01	72-04-27	43	--	<10	--	--	--
17/10E-03H01	46 59 23	121 32 00	01	73-06-25	35	--	--	--	--	--
18/01E-22D01S	47 02 13	122 40 15	01	75-09-12	--	--	--	--	--	--
				75-12-11	--	--	--	--	--	--
19/01E-26A01	47 06 32	122 37 55	01	74-08-27	80	220.00	--	--	1	--
				74-11-21	80	--	--	--	3	--
				75-02-13	80	--	--	--	<1	--
				75-05-29	80	--	--	--	2	--
19/01E-33L02	47 05 11	122 41 05	01	74-08-23	115	--	--	--	1	--
				74-11-21	115	--	--	--	3	--
				75-02-13	115	--	--	--	2	--
				75-05-29	115	--	--	--	1	--
19/01E-35A01	47 05 49	122 37 57	01	74-08-27	128	235.00	--	--	<1	--
				74-11-21	128	--	--	--	3	--
				75-02-13	128	--	--	--	1	--
				75-05-29	128	--	--	--	1	--
19/02E-01A02	47 10 07	122 28 55	01	74-08-22	60	--	--	--	<1	--
				74-11-21	60	--	--	--	3	--
				75-02-18	60	--	--	--	1	--
				75-05-28	60	--	--	--	<1	--
19/02E-02L01S	47 09 45	122 31 09	01	74-09-09	--	240.00	--	--	1	--
				74-11-22	--	240.00	--	--	3	--
				75-02-13	--	240.00	--	--	1	--
				75-05-30	--	240.00	--	--	1	--
				81-05-28	--	240.00	--	<10	1	9
19/02E-02M04	47 09 08	122 31 14	01	81-07-17	571	260.00	--	10	1	8
19/02E-14N02	47 08 28	122 30 46	01	70-12-15	108	275.00	20	--	--	--
19/02F-19Q01S	47 06 48	122 35 40	01	74-08-22	--	--	--	--	1	--
				74-11-21	--	--	--	--	2	--
				75-02-13	--	--	--	--	2	--
				75-05-30	--	--	--	--	<1	--
19/03E-05<01	47 09 37	122 26 43	01	74-08-28	80	320.00	--	--	<1	--
				74-11-21	80	320.00	--	--	3	--
				75-02-13	80	320.00	--	--	1	--
				75-05-29	80	320.00	--	--	1	--
19/03E-08H01	47 09 06	122 26 38	01	74-08-22	216	330.00	--	--	2	--
				74-11-21	216	330.00	--	--	9	--
				75-02-13	216	330.00	--	--	6	--
				75-05-29	216	330.00	--	--	5	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS, (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
			PIERCE				
15/04E-12J01	72-04-27	--	<30	--	<50	<100	--
15/07E-33J03	72-04-27	--	<30	--	60	<100	--
17/10E-03H01	73-06-25	--	--	--	<20	--	--
18/01E-22D01S	75-09-12	--	--	--	--	<2	--
	75-12-11	--	--	--	--	6	--
19/01E-26A01	74-08-27	<2	ND	--	<2	2	<.5
	74-11-21	<2	<20	--	2	3	<.1
	75-02-13	2	ND	--	ND	2	.7
	75-05-29	<2	<20	--	3	ND	<.5
19/01E-33L02	74-08-23	--	ND	--	--	--	<.5
	74-11-21	<2	<20	--	3	4	<.1
	75-02-13	<2	ND	--	<2	2	<.5
	75-05-29	<2	ND	--	<2	ND	<.5
19/01E-35A01	74-08-27	ND	ND	--	8	<2	<.5
	74-11-21	<2	<20	--	18	10	<.1
	75-02-13	ND	ND	--	4	<2	<.5
	75-05-29	<2	ND	--	6	<2	<.5
19/02E-01A02	74-08-22	<2	ND	--	3	3	<.5
	74-11-21	ND	<20	--	2	3	<.1
	75-02-18	<20	ND	--	11	5	<.5
	75-05-28	<2	<20	--	<2	ND	<.5
19/02E-02L01S	74-09-09	ND	ND	--	<2	2	<.5
	74-11-22	<2	<20	--	3	3	<.1
	75-02-13	ND	ND	--	ND	<2	<.5
	75-05-30	<2	ND	--	ND	ND	<.5
	81-05-28	<1	<1	--	4	2	--
19/02E-02M04	81-07-17	<1	10	--	25	<1	--
19/02E-14B02	70-12-15	--	<30	--	50	<100	--
19/02E-19Q01S	74-08-22	<2	ND	--	2	15	<.5
	74-11-21	<2	<20	--	3	3	<.1
	75-02-13	4	ND	--	ND	46	<.5
	75-05-30	<2	ND	--	--	2	<.5
19/03E-05K01	74-08-28	<2	ND	--	16	2	<.5
	74-11-21	<2	<20	--	16	3	<.1
	75-02-13	ND	ND	--	<20	<2	<.5
	75-05-29	<2	ND	--	9	ND	<.5
19/03F-08H01	74-08-22	<2	ND	--	<2	ND	<.5
	74-11-21	<2	<20	--	<2	<2	<.5
	75-02-13	ND	ND	--	ND	<2	<.5
	75-05-29	<2	<20	--	ND	ND	<.5

TABLE 3.--Continued

LOCAL IDENT-I-FIER	DATE OF SAMPLE	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)
	PIERCE				
15/04E-12J01	72-04-27	--	--	--	170
15/07E-33J03	72-04-27	--	--	--	70
17/10E-03H01	73-06-25	--	--	--	200
18/01E-22D01S	75-09-12	--	--	--	--
	75-12-11	--	--	--	--
19/01E-26A01	74-08-27	--	--	--	20
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	40
	75-05-29	--	--	--	ND
19/01E-33L02	74-08-23	--	--	--	50
	74-11-21	--	--	--	40
	75-02-13	--	--	--	60
	75-05-29	--	--	--	40
19/01E-35A01	74-08-27	--	--	--	ND
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	30
	75-05-29	--	--	--	ND
19/02E-01A02	74-08-22	--	--	--	<20
	74-11-21	--	--	--	<20
	75-02-18	--	--	--	20
	75-05-28	--	--	--	20
19/02E-02L01S	74-09-09	--	--	--	ND
	74-11-22	--	--	--	<20
	75-02-13	--	--	--	ND
	75-05-30	--	--	--	ND
	81-05-28	<.1	<1	<1	130
19/02E-02M04	81-07-17	.1	<1	<1	30
19/02E-14A02	70-12-15	--	--	--	70
19/02E-19D01S	74-08-22	--	--	--	<20
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	20
	75-05-30	--	--	--	ND
19/03E-05K01	74-08-28	--	--	--	ND
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	<20
	75-05-29	--	--	--	<20
19/03E-08H01	74-08-22	--	--	--	20
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	20
	75-05-29	--	--	--	ND

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				PIERCE						
19/03E-08H01	47 09 06	122 26 38	01	81-06-04	216	330.00	--	<10	6	200
19/03E-17R02	47 07 43	122 26 32	01	74-08-23	77	--	--	--	2	--
				74-11-21	77	--	--	--	3	--
				75-02-13	77	--	--	--	2	--
				75-05-29	77	--	--	--	<1	--
19/04E-16E01	47 08 08	122 31 15	01	81-06-02	300	450.00	--	--	1	200
				81-08-26	300	450.00	--	10	1	11
19/04F-25K01S	47 06 08	122 14 19	01	81-06-11	--	180.00	--	10	<1	100
19/05E-06C02	47 10 09	122 13 15	01	81-08-24	240	85.00	--	<10	8	10
19/05E-32J02	47 05 09	122 11 27	01	81-08-20	250	220.00	--	10	5	20
20/02E-11M01	47 13 56	122 31 26	01	70-12-14	257	--	910	--	--	--
20/02E-13J02	47 13 06	122 29 00	01	74-08-23	113	269.00	--	--	<1	--
				74-11-21	113	--	--	--	4	--
				75-02-13	113	--	--	--	1	--
				75-05-29	113	--	--	--	1	--
20/02E-20K01S	47 12 13	122 34 30	01	74-09-09	--	--	--	--	1	--
				74-11-22	--	--	--	--	4	--
				75-02-14	--	--	--	--	2	--
				75-05-28	--	--	--	--	1	--
20/02E-22N03	47 12 09	122 32 42	01	74-08-29	150	--	--	--	1	--
				74-11-22	150	--	--	--	6	--
				75-02-14	150	--	--	--	2	--
				75-05-28	150	--	--	--	3	--
20/02E-25P02	47 11 06	122 29 50	01	74-08-22	60	247.00	--	--	<1	--
				74-11-22	60	--	--	--	5	--
				75-02-14	60	--	--	--	2	--
				75-05-28	60	--	--	--	1	--
20/02E-27Q01S	47 11 10	122 32 05	01	74-08-22	--	--	--	--	<1	--
				74-11-22	--	--	--	--	3	--
				75-02-14	--	--	--	--	2	--
				75-05-30	--	--	--	--	6	--
20/02E-32N01	47 10 23	122 35 02	01	74-08-26	72	--	--	--	10	--
				74-11-22	72	--	--	--	21	--
				75-02-14	72	--	--	--	10	--
				75-05-28	72	--	--	--	12	--
20/02E-33C01	47 10 53	122 33 43	01	70-10-23	337	--	<10	--	--	--
20/02E-33E01S	47 10 50	122 34 04	01	74-08-22	--	--	--	--	<1	--
				74-11-22	--	--	--	--	3	--
				75-02-14	--	--	--	--	1	--
				75-05-28	--	--	--	--	<1	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
			PIERCE				
19/03E-08H01	81-06-04	<1	<1	--	1	<1	--
19/03E-17R02	74-08-23	<2	ND	--	2	<2	<.5
	74-11-21	<2	<20	--	3	3	<.1
	75-02-13	<2	ND	--	2	2	<.5
	75-05-29	<2	<20	--	3	ND	<.5
19/04E-16E01	81-06-02	<1	10	--	1100	53	--
	81-08-26	<1	<1	--	50	<1	--
19/04E-25K01S	81-06-11	<1	10	--	6	<1	--
19/05E-06C02	81-08-24	<1	10	--	1	<1	--
19/05E-32J02	81-08-20	<1	<1	--	<1	1	--
20/02E-11M01	70-12-14	--	<30	--	<50	<100	--
20/02E-13J02	74-08-23	<2	ND	--	<2	13	<.5
	74-11-21	<2	<20	--	2	2	<.1
	75-02-13	ND	ND	--	ND	2	<.5
	75-05-29	<2	<20	--	2	ND	<.5
20/02E-20K01S	74-09-09	ND	ND	--	2	3	<.5
	74-11-22	<2	<20	--	2	9	<.1
	75-02-14	ND	ND	--	ND	<2	<.5
	75-05-28	<2	<20	--	ND	ND	<.5
20/02E-22N03	74-08-29	<2	ND	--	4	2	<.5
	74-11-22	<2	<20	--	<2	3	<.1
	75-02-14	ND	ND	--	ND	ND	<.5
	75-05-28	<2	ND	--	ND	ND	<.5
20/02E-25P02	74-08-22	<2	ND	--	<2	4	<.5
	74-11-22	<2	<20	--	2	5	<.1
	75-02-14	2	ND	--	ND	<2	<.5
	75-05-28	<2	<20	--	<2	ND	<.5
20/02E-27001S	74-08-22	<2	ND	--	ND	3	<.5
	74-11-22	<2	<20	--	ND	<2	<.1
	75-02-14	<2	ND	--	ND	ND	<.5
	75-05-30	<2	ND	--	ND	ND	<.5
20/02E-32N01	74-09-26	<2	ND	--	ND	3	<.5
	74-11-22	ND	<20	--	<2	4	<.1
	75-02-14	2	ND	--	ND	3	<.5
	75-05-28	<2	20	--	ND	ND	<.5
20/02E-33C01	70-10-23	--	<30	--	<50	<100	--
20/02E-33E01S	74-09-22	<2	ND	--	ND	4	<.5
	74-11-22	ND	<20	--	4	3	<.1
	75-02-14	<2	ND	--	ND	<2	<.5
	75-05-28	<2	<20	--	<2	ND	<.5

TABEL 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
	PIERCE				
19/03E-08H01	81-06-04	<.1	<1	<1	<3
19/03E-17P02	74-08-23	--	--	--	20
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	<20
	75-05-29	--	--	--	<20
19/04E-16E01	81-06-02	<.1	<1	<1	1700
	81-08-26	<.1	<1	1	390
19/04E-25K01S	81-06-11	<.1	<1	<1	50
19/05E-06C02	81-08-24	<.1	<1	<1	10
19/05E-32J02	81-08-20	<.1	<1	<1	8
20/02E-11M01	70-12-14	--	--	--	<10
20/02E-13J02	74-08-23	--	--	--	20
	74-11-21	--	--	--	<20
	75-02-13	--	--	--	30
	75-05-29	--	--	--	ND
20/02E-20K01S	74-09-09	--	--	--	ND
	74-11-22	--	--	--	<20
	75-02-14	--	--	--	<20
	75-05-28	--	--	--	ND
20/02E-22N03	74-09-29	--	--	--	80
	74-11-22	--	--	--	60
	75-02-14	--	--	--	120
	75-05-28	--	--	--	100
20/02E-25P02	74-08-22	--	--	--	20
	74-11-22	--	--	--	<20
	75-02-14	--	--	--	30
	75-05-28	--	--	--	<20
20/02E-27Q01S	74-08-22	--	--	--	<20
	74-11-22	--	--	--	<20
	75-02-14	--	--	--	<20
	75-05-30	--	--	--	ND
20/02E-32N01	74-08-26	--	--	--	50
	74-11-22	--	--	--	30
	75-02-14	--	--	--	80
	75-05-28	--	--	--	70
20/02E-33C01	70-10-23	--	--	--	70
20/02E-33E01S	74-08-22	--	--	--	<20
	74-11-22	--	--	--	<20
	75-02-14	--	--	--	<20
	75-05-28	--	--	--	ND

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				PIERCE						
20/03E-12J01	47 14 00	122 21 27	01	81-08-24	90	15.00	--	10	<1	20
20/03E-13C02	47 13 38	122 22 17	01	81-08-20	153	10.00	--	10	<1	4
20/03E-13D01	47 13 02	122 21 55	01	81-08-24	15	20.00	--	10	2	6
20/04E-05G01	47 15 00	122 19 23	01	70-10-22	75	--	20	--	--	--
20/04E-06K01	47 14 49	122 20 37	01	81-08-20	166	10.00	--	10	14	10
20/04E-10N01	47 13 54	122 17 28	01	70-10-22	258	--	<10	--	--	--
20/04E-17M01	47 13 07	122 19 53	01	81-08-20	390	25.00	--	10	<1	9
20/04E-20N02	47 12 04	122 20 07	01	81-08-24	144	30.00	--	10	<1	5
20/04E-21C03	47 12 47	122 18 24	01	81-08-24	244	40.00	--	10	2	10
20/04E-23P01	47 12 12	122 15 46	01	81-08-20	285	60.00	--	--	4	10
21/01E-02N01	47 19 58	122 39 03	01	81-07-02	217	65.00	--	<10	1	80
				81-08-27	217	65.00	--	10	1	12

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
	PIERCE						
20/03E-12J01	81-08-24	<1	<1	--	1	<1	--
20/03E-13C02	81-08-20	<1	<1	--	<1	<1	--
20/03E-13D01	81-08-24	<1	<1	--	1	1	--
20/04E-05G01	70-10-22	--	<30	--	50	<100	--
20/04E-06K01	81-08-20	<1	<1	--	1	1	--
20/04E-10N01	70-10-22	--	<30	--	100	<100	--
20/04E-17M01	81-08-20	<1	<1	--	2	<1	--
20/04E-20N02	81-08-24	<1	<1	--	<1	<1	--
20/04E-21C03	81-08-24	<1	<1	--	<1	1	--
20/04E-23P01	81-08-20	<1	<1	--	1	<1	--
21/01E-02N01	81-07-02	<1	10	--	1100	<1	--
	81-08-27	<1	<1	--	3	20	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
	PIERCE				
20/03E-12J01	81-08-24	.2	<1	<1	190
20/03E-13C02	81-08-20	<.1	<1	<1	4
20/03E-13D01	81-08-24	<.1	<1	<1	120
20/04E-05G01	70-10-22	--	--	--	<10
20/04E-06K01	81-08-20	<.1	<1	<1	6
20/04E-10N01	70-10-22	--	--	--	100
20/04E-17M01	81-08-20	<.1	<1	<1	21
20/04E-20N02	81-08-24	<.1	<1	<1	65
20/04E-21C03	81-08-24	.1	<1	<1	5
20/04E-23P01	81-08-20	<.1	<1	<1	19
21/01E-02N01	81-07-02	<.1	<1	<1	460
	81-08-27	<.1	<1	1	2300

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				SAN JUAN						
34/01W-16B01	48 26 47	122 48 36	01	81-06-24	145	75.00	--	<10	3	100
34/02W-08E01	48 27 29	122 58 18	01	71-03-23	103	88.00	40	--	--	--
34/03W-02P02	48 27 53	123 01 39	01	81-06-22	191	130.00	--	<10	6	200
35/02W-01N01	48 33 08	122 53 09	01	81-06-24	81	38.00	--	<10	16	300
35/02W-14E01	48 31 46	122 54 19	01	81-06-24	113	100.00	--	<10	3	100
35/02W-33R01	48 28 45	122 35 00	01	81-06-24	160	160.00	--	<10	2	90
35/03W-23R01	48 31 13	123 01 26	01	81-06-22	345	105.00	--	<10	1	200
35/03W-30K02	48 29 45	123 06 56	01	81-06-23	185	200.00	--	<10	1	200
36/01W-02B01	48 38 37	122 46 46	01	81-06-23	126	100.00	--	<10	22	100
36/01W-05N01	48 37 52	122 51 10	01	81-06-23	85	80.00	--	10	<1	200
36/02W-05C01	48 38 26	122 58 38	01	81-06-24	286	200.00	--	20	2	70
36/02W-11G01	48 37 35	122 54 30	01	81-06-24	145	940.00	--	10	<1	200
36/02W-12A01	48 37 41	122 52 56	01	81-06-25	505	160.00	--	10	<1	300
36/02W-30F01	48 34 55	123 00 11	01	81-06-22	293	60.00	--	<10	1	100
36/02W-33J01	48 33 49	122 56 22	01	81-06-22	86	50.00	--	<10	<1	200
36/03W-28F01	48 35 27	123 04 36	01	81-06-23	220	50.00	--	<10	<1	200
36/04W-25E01	48 35 22	123 08 47	01	71-03-23	80	--	<10	--	--	--
37/01W-07M04	48 42 29	122 52 38	01	81-06-23	18	60.00	--	--	--	--
37/02W-13B04	48 42 06	122 53 03	01	81-06-23	52	50.00	--	<10	<1	90

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
34/01W-16B01	81-06-24	<1	<1	--	9	<1	--
34/02W-08E01	71-03-23	--	<30	--	<50	<100	--
34/03W-02P02	81-06-22	<1	<1	--	12	2	--
35/02W-01N01	81-06-24	<1	<1	--	1	<1	--
35/02W-14E01	81-06-24	<1	10	--	17	<1	--
35/02W-33R01	81-06-24	<1	<1	--	1000	21	--
35/03W-23B01	81-06-22	<1	<1	--	220	4	--
35/03W-30K02	81-06-23	<1	10	--	32	<1	--
36/01W-02B01	81-06-23	<1	<1	--	7	<1	--
36/01W-05N01	81-06-23	<1	<1	--	700	<1	--
36/02W-05C01	81-06-24	<1	10	--	2	1	--
36/02W-11G01	81-06-24	<1	<1	--	<1	<1	--
36/02W-12A01	81-06-25	<1	10	--	<1	<1	--
36/02W-30F01	81-06-22	<1	10	--	1	<1	--
36/02W-33J01	81-06-22	<1	10	--	3	<1	--
36/03W-28F01	81-06-23	<1	<1	--	2	1	--
36/04W-25E01	71-03-23	--	<30	--	<50	<100	--
37/01W-07M04	81-06-23	--	--	--	1000	--	--
37/02W-13B04	81-06-23	<1	<1	--	190	1	--

TABLE 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
		SAN JUAN			
34/01W-16R01	81-06-24	<.1	<1	<1	30
34/02W-08E01	71-03-23	--	--	--	<10
34/03W-02P02	81-06-22	<.1	<1	<1	1600
35/02W-01N01	81-06-24	.1	<1	<1	40
35/02W-14F01	81-06-24	<.1	1	<1	240
35/02W-33R01	81-06-24	<.1	1	<1	550
35/03W-23R01	81-06-22	<.1	<1	<1	1100
35/03W-30K02	81-06-23	<.1	<1	<1	110
36/01W-02R01	81-06-23	<.1	<1	<1	20
36/01W-05N01	81-06-23	<.1	1	<1	440
36/02W-05C01	81-06-24	.3	<1	<1	160
36/02W-11G01	81-06-24	<.1	<1	<1	20
36/02W-12A01	81-06-25	<.1	<1	<1	50
36/02W-30F01	81-06-22	<.1	<1	<1	80
36/02W-33J01	81-06-22	<.1	<1	<1	250
36/03W-28F01	81-06-23	<.1	<1	<1	420
36/04W-25E01	71-03-23	--	--	--	150
37/01W-07M04	81-06-23	--	--	--	--
37/02W-13B04	81-06-23	<.1	<1	<1	160

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				SKAGIT						
33/02E-02Q01S	48 30 56	122 22 22	01	76-04-21	--	--	--	--	550	--
34/01E-14C01	48 26 25	122 39 00	01	81-09-11	228	480.00	--	<10	1	10
34/04E-22Q01	48 25 02	122 16 27	01	72-04-13	262	--	10	--	--	--
35/04E-05G01	48 33 22	122 19 55	01	71-04-22	44	70.00	<10	--	--	--
35/05E-21J02	48 30 19	122 09 45	01	71-04-22	42	60.00	<10	--	--	--
35/05E-27E01	48 29 58	122 09 21	01	81-08-11	50	67.00	--	<10	1	70
35/08E-09F01	48 32 18	121 46 49	01	72-04-13	53	173.00	180	--	--	--
35/10E-32C01	48 28 57	121 32 23	01	72-04-13	24	--	50	--	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
33/02E-02Q01S	76-04-21	--	--	--	--	--	--
34/01E-14C01	81-08-11	<1	<1	--	12	<1	--
34/04E-22Q01	72-04-13	--	<30	--	<50	<100	--
35/04E-05G01	71-04-22	--	<30	--	<50	<100	--
35/05E-21J02	71-04-22	--	<30	--	<50	<100	--
35/05E-27E01	81-09-11	<1	<1	--	610	3	--
35/08E-09F01	72-04-13	--	<30	--	<50	<100	--
35/10E-32C01	72-04-13	--	<30	--	<50	<100	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
33/02E-02Q01S	76-04-21	--	--	--	--
34/01E-14C01	81-08-11	<.1	<1	<1	330
34/04E-22Q01	72-04-13	--	--	--	60
35/04E-05G01	71-04-22	--	--	--	<10
35/05E-21J02	71-04-22	--	--	--	<10
35/05E-27E01	81-08-11	<.1	<1	<1	230
35/08E-09F01	72-04-13	--	--	--	600
35/10E-32C01	72-04-13	--	--	--	<10

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				SNOHOMISH						
27/04E-35A01	47 47 23	122 15 03	01	71-04-21	87	170.00	<10	--	--	--
27/05E-06H01	47 51 07	122 12 34	01	81-08-13	280	425.00	--	<10	1	10
27/05E-16M01	47 49 37	122 10 53	01	71-04-21	127	--	50	--	--	--
27/09E-09Q01	47 50 15	121 39 15	01	72-05-19	78	260.00	20	--	--	--
28/06E-34A02	47 52 33	122 00 52	01	71-04-21	55	20.00	20	--	--	--
28/07E-18B01	47 55 03	121 57 15	01	72-05-19	143	560.00	20	--	--	--
29/05E-20P01	47 58 48	122 11 49	01	72-05-19	278	65.00	140	--	--	--
30/06E-29L01	48 03 16	122 04 04	01	71-04-21	67	340.00	<10	--	--	--
31/04E-22C01	48 09 51	122 17 03	01	72-05-19	176	470.00	<10	--	--	--
32/07E-17G01	48 15 40	121 55 51	01	72-05-18	84	210.00	<10	--	--	--
32/08E-12L01	48 16 32	121 43 05	01	72-05-18	127	--	<10	--	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
27/04E-35A01	71-04-21	--	<30	--	<50	<100	--
27/05E-06H01	81-08-13	<1	<1	--	6	<1	--
27/05E-16M01	71-04-21	--	<30	--	<50	<100	--
27/09E-09Q01	72-05-19	--	<30	--	120	<100	--
28/06E-34A02	71-04-21	--	<30	--	<50	<100	--
28/07E-18B01	72-05-19	--	<30	--	<50	<100	--
29/05E-20P01	72-05-19	--	<30	--	<50	<100	--
30/06E-29L01	71-04-21	--	<30	--	<50	<100	--
31/04E-22C01	72-05-19	--	<30	--	<50	<100	--
32/07E-17G01	72-05-18	--	<30	--	<50	<100	--
32/08E-12L01	72-05-18	--	<30	--	<50	<100	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
27/04E-35A01	71-04-21	--	--	--	200
27/05E-06H01	81-09-13	<.1	<1	<1	8
27/05E-16M01	71-04-21	--	--	--	<10
27/09E-09Q01	72-05-19	--	--	--	<10
28/06E-34A02	71-04-21	--	--	--	<10
28/07E-18B01	72-05-19	--	--	--	90
29/05E-20P01	72-05-19	--	--	--	<10
30/06E-29L01	71-04-21	--	--	--	<10
31/04E-22C01	72-05-19	--	--	--	<10
32/07E-17G01	72-05-18	--	--	--	<10
32/08E-12L01	72-05-18	--	--	--	160

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				THURSTON						
16/02E-17N01	46 51 59	122 35 29	01	72-04-27	61	250.00	420	--	--	--
18/01E-18B01	47 03 06	122 43 33	01	81-08-18	84	20.00	--	20	1	10
18/01E-35P01	46 59 49	122 39 54	01	72-01-10	123	--	<10	--	--	--
18/01E-35P02	46 59 54	122 39 47	01	81-08-18	220	90.00	--	10	<1	7
18/01W-13G01	47 02 53	122 44 44	01	72-01-10	269	218.00	<10	--	--	--
18/01W-21B03	47 02 16	122 48 19	01	81-08-25	479	178.00	--	10	2	13
18/02W-18K01	47 02 37	122 59 33	01	70-12-16	180	180.00	<10	--	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
16/02E-17N01	72-04-27	--	<30	<50	<100	--	--	--	7300
18/01E-18B01	81-08-18	<1	<1	3	4	<.1	<1	<1	15
18/01E-35P01	72-01-10	--	<30	<50	<100	--	--	--	<10
18/01E-35P02	81-08-18	<1	<1	1	3	<.1	<1	<1	<3
18/01W-13G01	72-01-10	--	<30	<50	<100	--	--	--	840
18/01W-21B03	81-08-25	<1	10	1700	3	<.1	<1	1	1400
18/02W-18K01	70-12-16	--	<30	<50	<100	--	--	--	210

TABLE 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
				WHATCOM						
37/01E-02E03	48 43 35	122 39 21	01	71-10-22	127	--	<10	--	--	--
37/04E-32F01	48 39 10	122 19 37	01	72-05-18	178	420.00	<10	--	--	--
39/01E-24J01	48 51 17	122 36 59	01	71-04-22	282	310.00	<10	--	--	--
39/02E-18F02	48 52 24	122 36 30	01	81-07-22	236	220.00	--	10	6	20
39/02E-19Q02	48 50 55	122 36 04	02	70-11-03	160	--	30	--	--	--
39/03E-31N02	48 19 18	122 29 01	01	71-04-22	112	190.00	20	--	--	--
40/01E-03M01	48 59 04	122 40 43	01	72-04-12	97	--	1800	--	--	--
40/03E-09R03	48 57 54	122 25 10	01	81-07-22	36	120.00	--	<10	1	20
40/04E-10A02	48 58 35	122 16 09	01	72-04-12	53	--	550	--	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
37/01E-02E03	71-10-22	--	<30	--	<50	<100	--
37/04E-32F01	72-05-18	--	<30	--	<50	<100	--
39/01E-24J01	71-04-22	--	<30	--	<50	<100	--
39/02E-18F02	81-07-22	<1	<1	--	5	<1	--
39/02E-19Q02	70-11-03	--	<30	--	<50	<100	--
39/03E-31N02	71-04-22	--	<30	--	<50	<100	--
40/01E-03M01	72-04-12	--	<30	--	<50	<100	--
40/03E-09R03	81-07-22	<1	10	--	2	<1	--
40/04E-10A02	72-04-12	--	<30	--	<50	<100	--

LOCAL IDENTIFIER	DATE OF SAMPLE	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
37/01E-02E03	71-10-22	--	--	--	<10
37/04E-32F01	72-05-18	--	--	--	<10
39/01E-24J01	71-04-22	--	--	--	50
39/02E-18F02	81-07-22	.1	<1	<1	190
39/02E-19Q02	70-11-03	--	--	--	<10
39/03E-31N02	71-04-22	--	--	--	150
40/01E-03M01	72-04-12	--	--	--	<10
40/03E-09R03	81-07-22	<.1	<1	<1	50
40/04E-10A02	72-04-12	--	--	--	50

TABLE 4.--Major ions as a percentage of total cation or anion milliequivalents, 1981 data only

WELL NUMBER	COUNTY	CA	MG	NA	K	ALK	CL	SO4	NO3
30/03W-19D01	CLALLAM	71	21	7	1	89	3	4	4
30/03W-30D05	CLALLAM	55	29	15	1	86	4	4	5
30/04W-11J01	CLALLAM	73	17	9	1	91	2	6	1
29/02E-27D01	ISLAND	24	29	44	2	49	44	8	0
29/03E-08E02	ISLAND	31	50	17	2	81	18	1	0
29/03E-09C01	ISLAND	30	46	21	3	65	30	5	0
30/02E-08N02	ISLAND	24	51	23	1	42	28	21	9
30/02E-09D01	ISLAND	8	15	76	2	20	72	8	0
30/02E-09N04	ISLAND	26	38	34	2	66	19	10	5
30/03E-10G03	ISLAND	16	23	59	1	13	82	6	0
30/03E-10J01	ISLAND	17	22	60	1	13	82	5	0
30/03E-14K01	ISLAND	36	40	22	2	62	36	2	0
31/01E-02E01	ISLAND	22	56	17	5	65	28	7	0
31/01E-10J01	ISLAND	27	46	24	3	70	22	7	1
31/02E-07B02	ISLAND	33	50	17	1	44	55	1	0
32/01E-17F01	ISLAND	25	52	21	2	76	24	0	0
32/01E-18A01	ISLAND	24	52	23	1	59	40	1	0
32/01E-32N01	ISLAND	11	21	68	1	1	90	9	0
32/03E-17R02	ISLAND	41	44	12	3	76	12	12	0
32/03E-21F01	ISLAND	16	22	61	1	21	71	8	0
32/03E-27N01	ISLAND	24	17	57	2	33	60	7	0
33/01E-27M01	ISLAND	11	16	71	3	51	33	16	0
33/01E-35B06	ISLAND	35	44	20	1	65	22	11	1
33/01E-35E01	ISLAND	23	43	30	4	62	20	18	0
33/02E-26D01	ISLAND	35	49	15	1	73	16	10	1
33/02E-26P01	ISLAND	41	42	16	1	77	14	8	1
30/01W-07A01	JEFFERSON	45	33	19	3	82	16	2	0
30/01W-22K01	JEFFERSON	50	36	12	2	73	25	2	0
19/07E-06E02	KING	51	32	15	3	74	14	1	11
20/06E-29L01	KING	66	24	8	1	73	4	23	0
21/04E-20L02	KING	34	46	17	3	84	5	10	1
21/04E-20P02	KING	59	24	13	4	75	5	20	0
21/04E-25Q01	KING	54	26	16	4	62	6	25	6
21/05E-03B02	KING	52	15	30	3	96	3	1	0
21/05E-03K03	KING	34	48	15	3	89	7	4	0
21/05E-29E01	KING	56	23	18	3	86	6	4	4
21/06E-04H05	KING	49	24	25	1	70	5	21	4
22/02E-12Q01	KING	54	24	18	3	91	3	6	0
22/03E-21E01	KING	41	19	37	3	93	4	3	0
22/04E-35R01	KING	46	33	19	2	96	4	0	0
22/05E-16Q02	KING	39	43	16	2	81	7	11	0
22/05E-21H02	KING	52	32	13	3	96	3	1	2
22/06E-33J04	KING	56	23	20	2	78	5	17	1
23/03E-31Q01	KING	30	15	52	4	95	2	3	0
24/06E-06A01	KING	43	40	14	3	97	2	1	0
24/06E-12P01	KING	41	42	15	2	72	4	15	9
25/06E-10A01	KING	.	.	.	.	91	3	7	0
26/06E-19Q03	KING	37	43	17	3	81	5	14	1
26/06E-31F01	KING	45	20	30	5	95	4	1	0
24/01E-32E05	KITSAP	46	35	18	1	85	9	2	5
25/01E-20C01	KITSAP	45	36	17	2	95	3	2	1
25/01E-20L02	KITSAP	50	36	13	2	90	5	5	0
25/01E-24F02	KITSAP	36	27	33	4	94	3	3	1
25/01W-26D01	KITSAP	42	39	17	1	91	5	2	2
25/02E-10K01	KITSAP	35	20	38	7	96	3	1	0
25/02E-11E01	KITSAP	42	40	15	3	92	6	1	0

TABLE 4.--Continued

WELL NUMBER	COUNTY	CA	MG	NA	K	ALK	CL	SO4	NO3
26/01E-13B01	KITSAP	50	32	14	3	83	6	11	0
26/01E-13K01	KITSAP	44	40	15	2	57	10	13	19
19/03W-03F01	MASON	52	33	14	1	73	24	3	0
20/02W-29D01	MASON	57	26	15	2	92	3	5	0
22/01W-20P02	MASON	43	32	23	1	85	4	10	0
23/01W-21F01	MASON	46	37	16	2	92	4	3	1
23/01W-21M01	MASON	45	39	14	2	94	3	2	0
18/03E-01Q01	PIERCE	52	25	21	2	67	11	7	15
18/03E-01R01	PIERCE	39	35	23	3	95	5	0	0
18/04E-16R01	PIERCE	47	26	23	4	93	4	3	0
19/02E-02L01S	PIERCE	55	24	19	2	63	10	12	15
19/02E-02M04	PIERCE	39	40	19	3	83	5	8	4
19/03E-05K01	PIERCE	41	36	20	2	44	13	19	23
19/03E-08H01	PIERCE	43	32	21	4	81	8	5	6
19/03E-08H02	PIERCE	35	39	23	3	95	4	2	0
19/03E-21J07	PIERCE	49	31	17	3	61	14	15	10
19/03E-27D08	PIERCE	46	30	21	2	54	12	10	24
19/04E-16E01	PIERCE	44	38	15	3	79	10	7	4
19/04E-20E02	PIERCE	48	38	12	3	85	6	7	2
19/04E-25K01S	PIERCE	43	33	21	3	89	7	2	3
19/04E-26G01	PIERCE	41	34	20	5	94	4	2	0
19/04E-30K01	PIERCE	39	42	16	3	72	6	18	5
19/04E-31A01	PIERCE	42	39	16	3	65	7	21	7
19/05E-06C02	PIERCE	46	25	25	4	90	9	1	1
19/05E-32J02	PIERCE	55	30	12	2	96	3	1	0
20/01W-01H01	PIERCE	42	33	22	3	89	6	5	1
20/02E-25E01	PIERCE	48	35	15	2	68	10	17	5
20/02E-26G01	PIERCE	35	35	26	4	90	7	2	0
20/03E-12J01	PIERCE	27	47	22	5	86	5	9	0
20/03E-13C02	PIERCE	29	27	40	4	95	3	1	1
20/03E-13G01	PIERCE	43	38	16	3	85	7	7	1
20/04E-06K01	PIERCE	32	21	44	4	92	7	1	0
20/04E-17M01	PIERCE	45	27	24	4	94	4	1	1
20/04E-20N02	PIERCE	37	26	33	4	92	7	1	0
20/04E-21C03	PIERCE	46	23	28	3	91	8	1	0
20/04E-23P01	PIERCE	52	27	17	3	89	6	5	0
21/01E-02N01	PIERCE	38	37	21	4	94	4	1	1
21/01E-12D02	PIERCE	48	32	20	1	62	13	11	14
21/01E-12D03	PIERCE	36	44	18	2	91	7	0	2
22/01E-15Q01	PIERCE	30	19	49	2	95	3	1	1
22/01E-16N01	PIERCE	41	41	17	1	92	6	1	1
22/02E-20E04	PIERCE	45	34	19	1	78	8	11	3
34/01W-16B01	SAN JUAN	27	36	36	1	64	30	5	0
34/01W-16D01	SAN JUAN	21	57	20	2	75	16	9	0
34/01W-18H01	SAN JUAN	42	38	18	2	70	15	15	0
34/02W-02P01	SAN JUAN	8	4	87	1	14	61	25	0
34/02W-03F01	SAN JUAN	33	43	22	2	54	26	20	0
34/02W-08L01	SAN JUAN	45	21	33	1	46	42	11	1
34/02W-12G01	SAN JUAN	31	30	38	1	55	33	12	0
34/03W-02P02	SAN JUAN	18	39	39	3	43	46	11	0
34/03W-02P04	SAN JUAN	16	32	48	2	35	53	12	0
35/01W-07M01	SAN JUAN	18	25	55	2	24	73	3	0
35/02W-01N01	SAN JUAN	13	38	46	3	27	71	2	0
35/02W-01P02	SAN JUAN	32	27	39	2	41	53	5	1
35/02W-10L01	SAN JUAN	46	30	21	3	75	20	5	1
35/02W-14E01	SAN JUAN	39	39	20	2	78	11	10	1

TABLE 4.--Continued

WELL NUMBER	COUNTY	CA	MG	NA	K	ALK	CL	SO4	NO3
35/02W-18E02	SAN JUAN	28	14	57	1	76	19	5	0
35/02W-21H01	SAN JUAN	4	0	95	0	33	44	23	0
35/02W-25B01	SAN JUAN	29	42	26	3	76	14	9	0
35/02W-27B01	SAN JUAN	46	31	21	2	67	23	9	1
35/02W-33G01	SAN JUAN	28	23	48	1	31	62	7	0
35/02W-33R01	SAN JUAN	40	36	22	2	70	21	8	2
35/02W-35H01	SAN JUAN	58	27	14	1	68	19	13	0
35/03W-03K02	SAN JUAN	33	16	51	0	63	26	11	0
35/03W-07H01	SAN JUAN	50	11	39	0	70	9	21	0
35/03W-16K01	SAN JUAN	48	23	29	0	67	23	10	0
35/03W-23B01	SAN JUAN	29	16	55	1	51	38	10	0
35/03W-23J02	SAN JUAN	23	19	57	2	52	37	11	0
35/03W-26E01	SAN JUAN	3	2	94	1	56	30	14	0
35/03W-30K02	SAN JUAN	44	24	31	1	59	28	13	0
35/03W-33E01	SAN JUAN	24	15	60	1	49	37	14	0
35/03W-36F01	SAN JUAN	26	7	66	0	35	60	5	0
35/04W-23H01	SAN JUAN	65	15	19	1	66	25	9	0
36/01W-02B01	SAN JUAN	9	5	85	0	66	17	16	0
36/01W-05N01	SAN JUAN	69	16	14	0	68	14	18	0
36/01W-16Q03	SAN JUAN	2	0	97	0	86	14	1	0
36/02W-05C01	SAN JUAN	25	14	60	1	76	9	9	6
36/02W-07K01	SAN JUAN	10	11	78	1	66	24	10	0
36/02W-11G01	SAN JUAN	69	18	13	0	76	6	13	5
36/02W-12A01	SAN JUAN	1	0	99	0	80	5	10	5
36/02W-15N04	SAN JUAN	60	29	10	1	78	8	14	0
36/02W-20J01	SAN JUAN	24	24	52	0	1	99	0	0
36/02W-24G01	SAN JUAN	8	5	87	0	70	13	17	0
36/02W-27B01	SAN JUAN	36	29	33	1	20	73	7	0
36/02W-30E01	SAN JUAN	3	1	96	0	66	15	20	0
36/02W-30F01	SAN JUAN	2	0	97	0	66	14	20	0
36/02W-33G01	SAN JUAN	36	19	44	0	82	12	7	0
36/02W-33J01	SAN JUAN	45	18	36	0	76	9	14	0
36/03W-18K02	SAN JUAN	4	7	89	1	72	27	0	0
36/03W-28F01	SAN JUAN	67	19	13	1	74	9	14	4
36/04W-23N01	SAN JUAN	26	47	27	1	75	18	7	0
36/04W-35L03	SAN JUAN	41	20	38	0	31	54	15	0
37/01W-07M04	SAN JUAN	57	24	17	1	70	14	15	1
37/01W-32D01S	SAN JUAN	71	18	11	0	69	9	22	0
37/02W-11L01	SAN JUAN	34	37	27	1	66	20	13	1
37/02W-13B04	SAN JUAN	71	17	12	1	62	16	20	2
37/02W-16R01	SAN JUAN	26	18	55	1	77	18	5	0
37/02W-22L01	SAN JUAN	56	29	15	0	78	22	0	0
37/02W-27P01	SAN JUAN	44	36	18	2	86	10	4	0
34/01E-14C01	SKAGIT	26	48	24	1	51	23	16	10
34/03E-23D01	SKAGIT	20	28	48	3	53	44	3	0
34/04E-31J01	SKAGIT	17	33	46	4	56	43	0	0
35/04E-06H01	SKAGIT	37	48	14	2	60	21	6	12
35/04E-29E01	SKAGIT	36	28	33	3	60	11	28	1
35/05E-27F01	SKAGIT	36	30	21	4	75	24	1	1
35/09E-15E01	SKAGIT	41	48	9	3	77	2	20	2
27/05E-06H01	SNOHOMISH	36	47	15	3	93	4	2	1
27/05E-22M01	SNOHOMISH	36	43	18	3	94	4	1	1
27/05E-24M01	SNOHOMISH	35	44	18	3	82	7	10	1
29/05E-01A01	SNOHOMISH	52	34	12	2	95	3	1	1
31/04E-03L02	SNOHOMISH	31	34	29	6	96	3	1	0
31/05E-24R01	SNOHOMISH	46	42	9	2	97	2	1	1
32/04E-21P01	SNOHOMISH	46	35	16	2	88	9	3	0
18/01E-18B01	THURSTON	44	34	19	3	83	8	4	5
18/01E-35P02	THURSTON	36	36	25	3	90	8	1	2
18/01W-21H03	THURSTON	27	47	19	6	82	9	9	0
18/02W-17H02	THURSTON	47	31	20	2	85	8	1	6
19/01W-22G01	THURSTON	30	44	22	4	85	6	9	0
37/04E-29R01	WHATCOM	60	28	11	1	72	4	16	8
39/02E-18F02	WHATCOM	3	3	92	1	97	3	0	0
39/02E-28J01	WHATCOM	51	33	15	2	51	21	11	18
40/03E-06L02	WHATCOM	58	22	14	6	44	19	37	0
40/03E-09R03	WHATCOM	61	27	10	2	48	16	29	8
40/03E-23M01	WHATCOM	39	32	24	5	31	31	12	26
40/04E-10B02	WHATCOM	32	56	10	2	89	4	6	0

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