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QUALITY OF GROUND WATER IN THE COLUMBIA BASIN, WASHINGTON, 1983

By G. L. Turney

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THE COLUMBIA BASIN, WASHINGTON, 1983

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ABSTRACT

Ground water from 188 sites in the Columbia Basin of central Washington was sampled and analyzed in 1983 for pH, specific conductance, and concentrations of fecal-coliform bacteria, major dissolved ions, and dissolved iron, manganese, and nitrate. Twenty of the samples were also 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 sodium bicarbonate and calcium bicarbonate. The sodium bicarbonate water samples had higher pH, fluoride, and sodium-adsorption-ratio values than samples with other water types. Dissolved-solids concentrations were generally between 250 and 500 mg/L (milligrams per liter). Iron and manganese concentrations were usually less than 10 ug/L (micrograms per liter). Most trace-metal concentrations were also less than 10 ug/L except for barium and zinc, which had maximum concentrations of 170 and 600 ug/L, respectively. Nitrate concentrations were less than 1.0 mg/L in water from more than half the wells sampled. Concentrations exceeded 1.0 mg/L in large areas of Lincoln, eastern Adams, Franklin, and southern Grant Counties. No fecal-coliform bacteria were detected. U.S. Environmental Protection Agency drinking water regulations were exceeded in several samples, most commonly involving pH and concentrations of fluoride, nitrate, and dissolved solids in samples from Adams and Grant Counties.

Generally, the historical data lead to similar conclusions about the quality of ground water in the Columbia Basin region. However, historical samples had higher dissolved-solids concentrations in Douglas County. Historical samples also included fewer sodium bicarbonate type waters in the region as a whole than the 1983 samples. These differences may be due to inconsistencies in data collection or analytical methods.

INTRODUCTION

The State of Washington Department of Ecology (WDOE) is responsible for the protection and management of ground water in the State of Washington. The WDOE also makes decisions regarding drilling permits, pumpages, and water rights. To aid in meeting these responsibilities, a statewide assessment of ground-water quality was made.

Purpose and Scope

In 1979, the U.S. Geological Survey, in cooperation with the WDOE, established a ground-water-quality assessment program 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 water 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 could then 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 also would provide a basis of comparison for future regional studies.

This report presents ground-water quality data for the Columbia Basin region of eastern Washington. The other four regions--Puget Sound, northeastern-north central, southwestern, and southeastern-south central--are discussed, respectively, by Ebbert (1984), Ebbert and Payne (1985), and Turney (1986a, 1986b).

Other Studies

Several ground-water and geologic studies have been made in local areas within the region (Walters and Grolier, 1960; Garrett 1968; Luzier and Burt, 1974; and Tanaka, Hansen, and Skrivan, 1974). Statewide and nation-wide studies have also included the Columbia Basin, although it is commonly defined as a larger area (Van Denburgh and Santos, 1965; Foxworthy, 1979; Molenaar and others, 1980; and Lum and Turney, 1982). Most of these previous studies were concerned primarily with the availability of ground water and addressed ground-water quality secondarily. Lum and Turney (1982), as part of an assessment of historic ground-water-quality data, considered all available data from the Columbia Basin.

Concurrent with the study reported here a major geochemical study was carried out covering the entire Columbia Basin and outlying areas to assess ground-water flow and water quality in the various basalt aquifers in eastern Washington (Bortleson and Cox, 1985; Hearn and others, 1985). Data from that study were used for this report.

Acknowledgments

Appreciation is expressed to the city and town officials, local agencies, and private landowners who granted access to their wells. This cooperation was essential to the project.

DESCRIPTION OF REGION

Location

The Columbia Basin is located in the central part of eastern Washington (fig. 1). It is bounded on the north, west, and southwest by the Columbia River. At the confluence of the Columbia and Snake Rivers, the southeastern boundary follows the Snake River, then the Palouse River. The eastern boundary is formed by the edge of the Palouse and Spokane River drainage basins. The northeastern boundary is the Spokane River, which drains to the Columbia River. Included in the Columbia Basin are all of Adams, Douglas, Franklin, Grant, and Lincoln Counties. Small parts of Spokane and Whitman Counties are also in the study area, but no wells were sampled in these counties. Molenaar and others (1980) considered the Columbia Basin as one large hydrologic region with no major subdivisions.

Climate

The climate of the Columbia Basin is influenced primarily by the Cascade Range and the Rocky Mountains. These mountains serve as barriers for precipitation, which moves into the region from either the Pacific Ocean or the midcontinent, depending upon the time of year. As a result, the basin has a fairly dry climate with significant seasonal temperature variations. Areal climatological differences in the region are due to local topography. Precipitation and temperature data from several locations in the study area are given below (Phillips, 1960).

	Mean air temperature (^{o}F)			Mean precipitation, in inches
	Jan.	July	Annual	Annual
Waterville	22.2	66.6	45.1	11.57
Ephrata	--	--	--	8.42
Wilbur	24.5	67.6	46.6	12.93
Odessa	27.2	70.9	49.2	10.81
Ritzville	27.0	71.1	49.1	11.67
Hatton	28.1	71.9	49.9	9.94
Kennewick (Pasco)	31.8	75.1	53.6	7.49

These data represent climatic conditions from 1931 to 1960. Mean air temperatures for January and July are included because they represent the extremes in mean monthly temperatures. Temperature extremes below 0^{o}F and above 100^{o}F are usually recorded every year. Temperatures increase from north to south, and precipitation tends to follow a reverse pattern, decreasing from north to south.

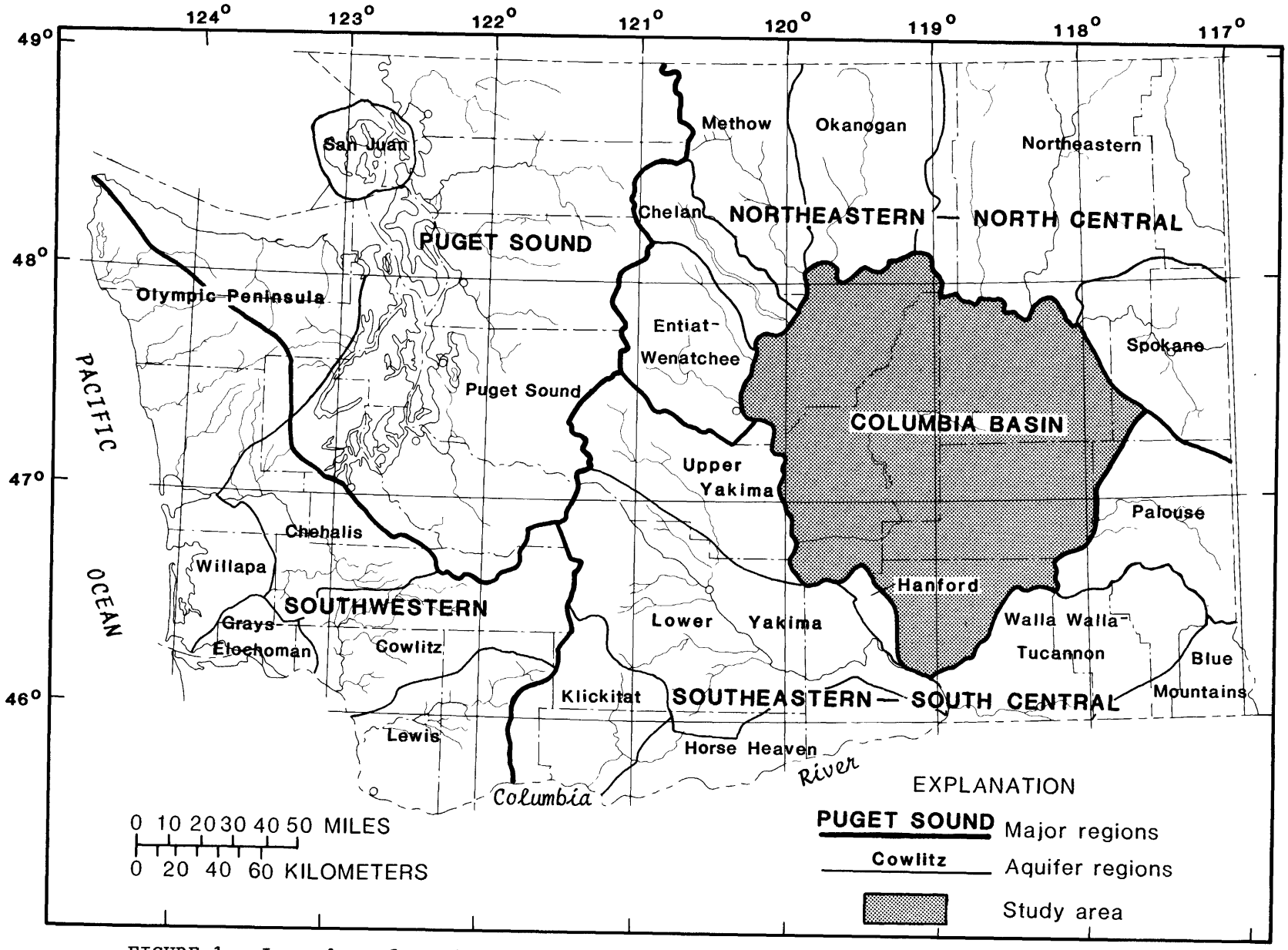


FIGURE 1.--Location of study area and boundaries of major aquifers and aquifer regions.

Geohydrology

The geology of the Columbia Basin was influenced primarily by several lava flows that covered the region during the Miocene Epoch (Swanson and Wright, 1978). In many places these flows combined to create formations that range from a few feet to hundreds of feet in thickness. The basalt flows are separated from each other by layers of clays and sands that represent erosional deposits on top of the underlying flows. Late Pliocene and Pleistocene uprisings of the Cascade Range caused sloping of some of the flows, as well as folds, faults, and other geologic deformations.

Three basalt formations are hydrologically significant in the Columbia Basin. The oldest of these is the Grande Ronde Basalt, which underlies the entire study area and is several thousand feet thick in places. The second formation, the Wanapum Basalt, also underlies all of the study area, but is much thinner, averaging 600 feet in thickness. The most recent basalt formation is the Saddle Mountains Basalt, but within the study area it is generally limited to the southeast quarter of the Columbia Basin and is less than 200 feet thick. A more detailed discussion of these formations is in Drost and Whiteman,

Unconsolidated surficial deposits over the basalt are present throughout most of the region and are due primarily to Pleistocene glacial flooding and windblown silt, or loess. They are not an important ground-water source except in two areas--in the Pasco Basin, which is the southern part of Franklin County, and in the Quincy Basin, which lies between Quincy, Ephrata, Moses Lake, and the Frenchman Hills (pl. 1).

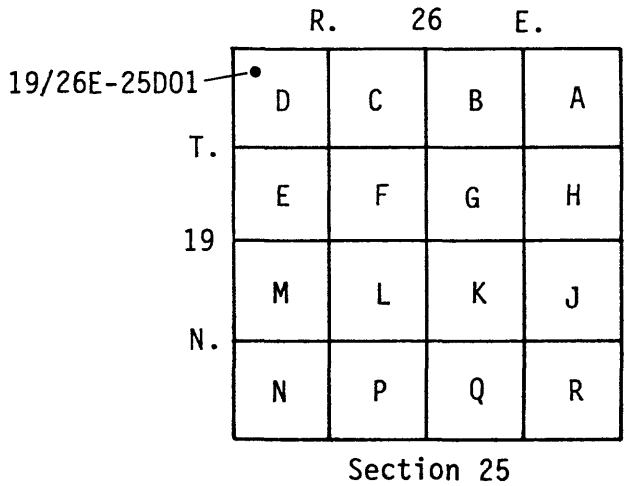
Ground water is generally abundant in the cracks and crevices of the basalt layers. Ground-water flow occurs both vertically and laterally within the region. Vertical flow is generally downward in the northeast and throughout the central part of the basin. Vertical flow is upwards at discharge areas near the Columbia and Snake Rivers, Crab Creek, and locally near major surface-water bodies. Horizontal flow generally follows the surface gradient, which is from the northeast to the southwest. Natural ground-water flow throughout the region is affected by recharge from irrigation, discharge through heavy pumpage of wells, and leakage between aquifers through uncased wells. Ground-water flow is discussed more thoroughly in Bortleson and Cox, 1985, and Hearn and others, 1985.

Most of the wells drilled in the Columbia Basin were finished in one or more of the three basalt formations. For the most part, each of the three basalt formations represents a distinct aquifer, as do the unconsolidated formations. Due to the number of wells sampled and the similarities within formation type, no distinction was made between individual aquifers. However, analytical results of water samples from basalt formations were considered separately from those from unconsolidated formations when a chemical difference was apparent.

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 19/26E-25D01, the part preceding the hyphen indicates the township and range (T. 19 N., R. 26 E.) north and east of the Willamette base line and meridian, respectively. (Because all wells in Washington are north of the base line, the "N" designation of the township is omitted.) The first number following the hyphen (25) indicates the section, 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 19/26E-25D01 had been deepened twice, it would now be numbered 19/26E-25D01D2.



Well Selection

As mentioned previously, the data for this report were taken from a concurrent geochemical study of ground water in the basalts of the Columbia Basin. The primary concerns were to obtain a good areal representation of the region and to sample wells tapping single basalt formations. Although important in the geochemical study, the particular basalt unit tapped is not used in this study, which is concerned only with the wells that tap basalt units as a whole. A few wells tapping unconsolidated materials were sampled in the Pasco and Quincy Basins, where these deposits are important.

Using the above criteria, 188 wells were selected and sampled throughout the Columbia Basin. Plate 1 shows the locations of all the wells sampled; it also indicates whether a well is finished in unconsolidated material or in basalt. Township and range locations of the wells are indicated on the map and the section number, 40-acre tract designation, and serial number are given next to each well symbol.

Sampling

All wells were sampled in spring 1983. Sampling was done according to standard Geological Survey procedures, as described in the "National Handbook of Recommended Methods for Water-Data Acquisition" (U.S. Geological Survey, 1977). Prior to sampling, wells were pumped for a period sufficient to flush all supply lines to insure that water to be 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 of water temperature, specific conductance, and pH were made at the time of sampling. Determinations of fecal-coliform bacteria were made at all sites used for domestic or municipal purposes. 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. Trace-metal concentrations were analyzed in 20 of the samples. The number of trace-metal analyses was limited by budget considerations.

Data Presentation

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

Plate 1. Locations of sites with 1983 ground-water quality data

Plate 2. Water types and concentrations of dissolved solids

Plate 3. Concentrations of iron, manganese, and trace metals

Plate 4. Concentrations of nitrate

Plate 5. Locations of sites with historical (pre-1983) ground-water quality data.

Tables containing both 1983 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 mg/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 vary. 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 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 that concentrations be even lower than 300 ug/L.

Manganese is also essential to both plant and animal life. Ingestion of high levels can be toxic to humans, however, and at concentrations substantially less than toxic levels the taste of the water is impaired. Concentrations greater than 50 ug/L can stain laundry and plumbing fixtures. Manganese compounds are 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 teeth. Long-term, high-level exposures (8-20 mg/L for several years) can cause bone changes and result in crippling, but these levels rarely have been found in the United States.

The nitrate regulation is based on the concentrations 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 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 can alter the taste of water 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 consider fecal-coliform bacteria as a separate group. For purposes of this report, 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 where drinking water regulation limits have been exceeded are discussed later, on pages 19-20.

QUALITY OF GROUND WATER IN SAMPLED WELLS

The water-quality characteristics of the sampled wells are summarized on plates 2, 3, and 4. Statistical summaries for each subregion are presented in table 1 and the basic data for each well sampled are included in tables 2 and 3. Some of the more 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 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. Where no single ion was predominant but two ions greatly exceeded the rest, a combined water type was assigned. Unusual water types, or water that showed no predominant type, are represented by a "mixed or unusual" category. The actual percentages of ions in each sample are listed in table 4.

Samples from 79 wells, primarily the basalt wells of eastern Grant, western Adams, and southern Franklin Counties, had sodium bicarbonate water. Samples from 42 wells, in Douglas, Lincoln, and eastern Adams Counties, had calcium bicarbonate water. Twenty-three samples of calcium-magnesium bicarbonate water types were found, primarily from southern Grant and northern Franklin Counties. The last designated water type, calcium-sodium bicarbonate, probably reflects a mixing of calcium bicarbonate and sodium bicarbonate waters from different aquifers, and was found in only 10 wells throughout the region. "Mixed or unusual" water types were found in 34 wells throughout the region, but mainly in southwestern Grant and southern Lincoln Counties.

Those ground waters in which bicarbonate was not the predominant anion usually contained a mixture of anions. Sulfate predominated in some samples, possibly due in part to agricultural activities, which are common throughout the study area. Other possible sources are isolated sulfate deposits, such as gypsum or sulfate.

The sodium bicarbonate waters were generally from deeper wells, or from wells in the southern part of the study area. According to ground-water-flow patterns, these wells would have water that is older and has a longer residence time in the basalt formations. Water in these formations that is initially high in calcium and magnesium content dissolves sodium from the aquifer material and precipitates calcium and magnesium (Hearn and others, 1985). The sodium content of the water increases with residence time, eventually resulting in a sodium bicarbonate water type in older waters.

Water samples from unconsolidated deposits in the region were mostly calcium bicarbonate or calcium-sodium bicarbonate. No sodium bicarbonate

water was found in these deposits. In Quincy Basin this is similar to the water types of the basalt wells in the area, but in Pasco Basin this is a sharp contrast to the sodium bicarbonate waters from basalt wells.

Hardness

Hardness is related to the ability of soaps to produce a lather in water; soft water reacts with soaps 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 waters may leave a scale deposit in boilers and hot water tanks that reduces their efficiency and causes clogging. The degree of a water's 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
0-75	Soft	59
76-150	Moderately hard	62
151-300	Hard	51
More than 300	Very hard	16

Hardness varies considerably in Columbia Basin ground water, but there are some patterns. The soft and moderately hard waters were usually of the sodium bicarbonate type, from the central and southern areas of the region. The harder waters were of the non-sodium water types from the north, west, and east areas of the region.

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 water. 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 the suitability of irrigation waters. SAR (S) is plotted against specific conductance (C) on a standard diagram of irrigation categories (fig. 2). Waters are classified according to the degree of salinity and sodium hazard assigned to the section of the diagram they fall in (U.S. Department of Agriculture, 1954). For example, water from well 15/30E-12L01, with a specific conductance of 362 micromhos per centimeter and an SAR of 2.1, is in the medium salinity-low sodium (C2-S1) category. In the Columbia Basin, the primary irrigation hazard was salinity rather than sodium. Water samples from over 150 wells indicated a medium or high salinity (C2, or C3) hazard. Several wells had water indicating a medium sodium hazard (S2), and five wells had high (S3) or very high (S4) sodium water. As would be expected, most of these high sodium wells had sodium bicarbonate type waters. A more detailed explanation of these irrigation categories and their relationships to soils can be found in "Diagnosis and Improvement of Saline and Alkali Soils" (U.S. Department of Agriculture, 1954).

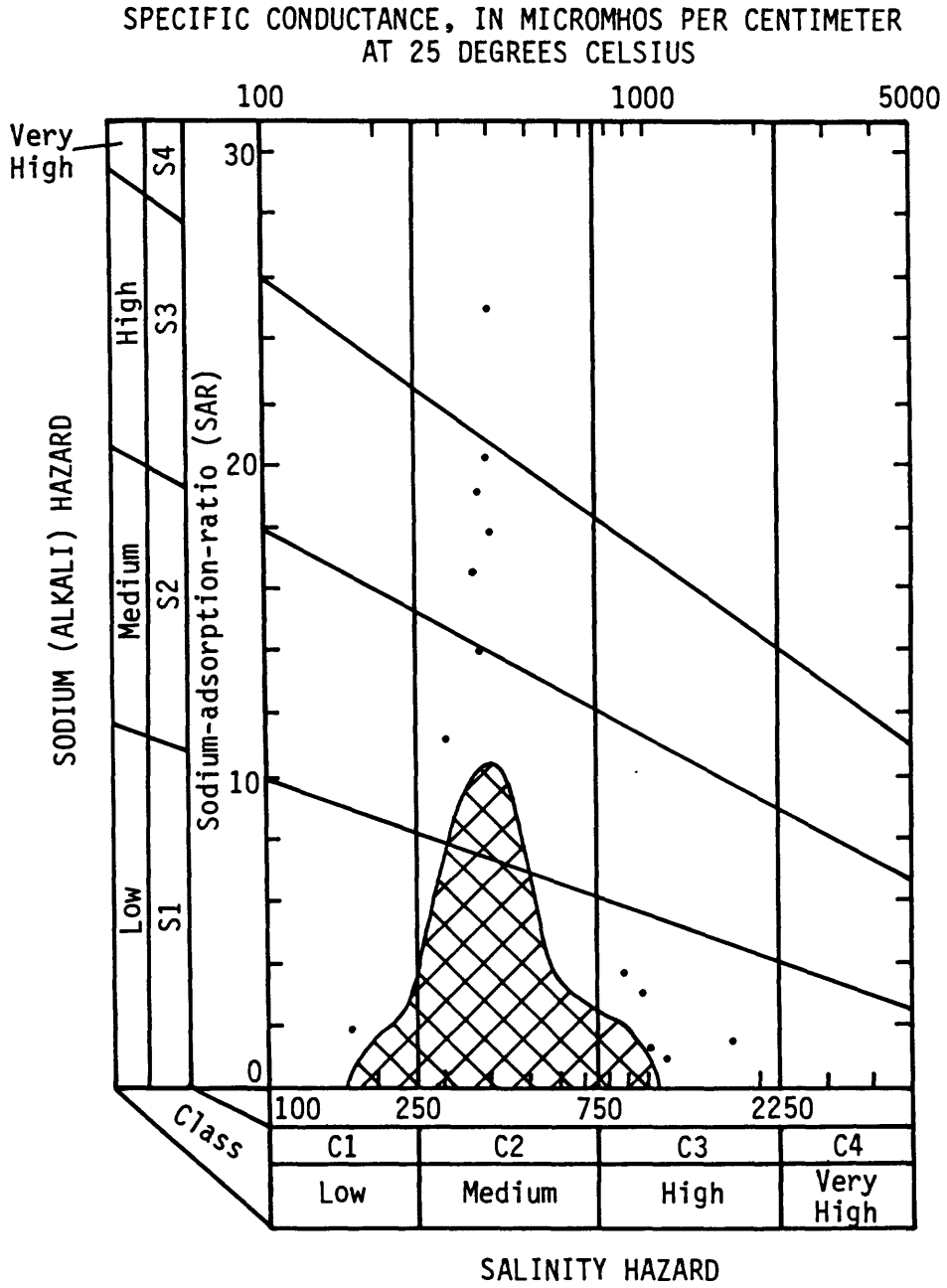


FIGURE 2.--Irrigation category of sites sampled. (From U.S. Department of Agriculture, 1954.)

Dissolved Solids

Dissolved solids are the minerals 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 a water, but also may be related to problems such as excessive hardness, corrosive characteristics, or other mineral contaminations.

Dissolved-solids concentrations may be 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 can be compared directly. The dissolved-solids concentrations of the samples from wells in this study were calculated and are shown graphically on plate 2.

Concentrations of dissolved solids between 251 and 500 mg/L were most common and occurred primarily in the western, central, and southern areas of the region; dissolved-solids concentrations less than 250 mg/L were predominant in the northern and eastern areas. Only 11 wells had water with dissolved-solids concentrations exceeding 500 mg/L. Although the distribution of dissolved solids is similar to the distribution of water types, several samples with calcium carbonate water had moderate dissolved-solids concentrations and several samples with sodium carbonate water had low dissolved-solids concentrations (plate 2). This indicates that the correlation between dissolved solids and water type is not as strong as suggested by looking at the distributions of the two characteristics separately.

Iron, Manganese, and Trace Metals

All well water samples were analyzed for dissolved iron and manganese concentrations. Samples from 20 wells were analyzed for concentrations of dissolved trace metals, including aluminum, arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc (table 3). Wells with water having excessive iron and manganese concentrations and wells sampled for trace metals are shown on plate 3. A few samples, analyzed for dissolved aluminum only, are included in table 3 but are not indicated on plate 3 as having metal analyses.

Iron concentrations were 10 ug/L or less in 45 percent of the water samples analyzed; however, a few samples from each of the counties except Douglas County had concentrations exceeding 50 ug/L. In all of the counties, median iron concentrations were less than 20 ug/L.

Manganese concentrations were 10 ug/L or less in over 80 percent of the water samples analyzed. Eight samples from various parts of the region had concentrations exceeding 50 ug/L. In all of the counties median manganese concentrations were below 10 ug/L. Contrary to results from studies in other regions (Turney, 1986a), high concentrations of iron and manganese did not necessarily occur together.

Cadmium, chromium, copper, lead, selenium, silver, and mercury concentrations never exceeded 10 ug/L. Aluminum concentrations were 10 ug/L or less except in a sample from well 21/30E-03E02 with a concentration of 20 ug/L. Arsenic concentrations were less than 10 ug/L in all water samples except those from wells 18/25E-08C01 and 18/29E-02A01, where concentrations of 13 and 17 ug/L, respectively, were noted. Barium concentrations had a median of 31 ug/L and a maximum concentration of 170 ug/L. The median zinc concentration was 18 ug/L, but in water from five wells exceeded 100 ug/L. This included two wells in Douglas County, 24/25E-18E01 and 24/16E-06H01, where zinc concentrations were 560 and 600 ug/L, respectively. The high zinc concentrations could be due to leaching from water lines. Many plumbing materials contain zinc (especially in galvanizing), and contamination could occur even if the lines are thoroughly flushed before sampling. In these cases, the results may not flect true aquifer conditions.

Nitrate

All 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 is assumed to be equivalent to nitrate and is referred to simply as nitrate in this report. Nitrate-concentration ranges for water in the sampled wells are shown on the map on plate 4.

Nitrate is found naturally in soils 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 in water samples from the Columbia Basin differed greatly. Water in over half of the wells sampled had nitrate concentrations less than 1.0 mg/L, expressed as nitrogen. Thresholds of 1.0 and 5.0 mg/L were chosen arbitrarily to indicate moderate and high nitrate concentrations, respectively. Moderate and high concentrations were found in large areas of Lincoln, eastern Adams, Franklin, and southern Grant Counties. Land-use practices indicate that these elevated concentrations are probably a result of agricultural activities in these areas. Most wells in western Adams County and eastern Grant County had water with low nitrate concentrations, even though they also are in agricultural areas. These wells are generally deeper than in the rest of the region, and this may be the reason for the lower concentrations.

Fecal-Coliform Bacteria

Fecal-coliform bacteria inhabit the intestines 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, the presence of fecal-coliform bacteria in a water supply can indicate 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.

Water samples from all domestic and municipal wells were analyzed for concentrations of fecal-coliform bacteria. 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. 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). No samples in the Columbia Basin had positive fecal-coliform bacteria counts.

Constituents Exceeding Drinking Water Regulations

In many instances constituents were present in concentrations exceeding drinking water regulation limits. Fluoride concentrations exceeded the primary regulations in water samples from 16 wells. All of these wells contained sodium bicarbonate water and all but one are in Adams or Grant County. Fluoride is known to occur naturally to some degree in basalt aquifers of eastern Washington and is more soluble as sodium fluoride than as calcium fluoride. Chloride concentrations exceeded the secondary drinking water regulations in water from well 21/33E-24B01. The sulfate concentration in water from well 17/23E-23A01D1 also exceeded the secondary drinking water regulation. Dissolved-solids concentrations exceeded drinking water regulations in waters from 11 wells. Most of these wells were in Grant or Lincoln Counties and eight of them had a mixed or unusual water type (see plate 2).

The pH values of 21 water samples were greater than 8.5. All of the wells except one had a sodium-bicarbonate water type and all except two were located in Adams or Grant Counties.

Iron concentrations exceeded drinking water regulations in water samples from three wells. Manganese concentrations exceeded drinking water regulations in eight wells. These appeared to be isolated instances of naturally occurring deposits. All of the trace-metal concentrations were well below applicable drinking water regulations.

Nitrate concentrations exceeded the primary drinking water regulation in water from 14 wells scattered throughout the region. Most were relatively shallow compared to those with lower nitrate concentrations, and most had water of one of the non-sodium water types.

HISTORICAL (PRE-1983) WATER-QUALITY DATA

Selection of Data

Sites where ground-water samples were collected and analyzed prior to 1983 are designated on plate 5, including data from previous Geological Survey studies, studies by other agencies done cooperatively with the Survey, and miscellaneous Survey samplings. 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 select 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 in a section 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 for 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.

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. Changes in land use, such as irrigation or construction, can alter the flow pattern and quality of recharge water. 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 interpreting and comparing 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 can 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 concentration 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 1983 data; an example is dissolved lead. Much of the historical data were reported as less than 100 ug/L, but 1983 data are reported as less than 1 ug/L. The historical data reported as less than 100 ug/L cannot be easily compared to any 1983 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, calcium bicarbonate was the predominant type of ground water in the Columbia Basin. Sodium bicarbonate waters were also common, especially in the southern and central areas of the region. Hardness varied with water type, ranging from soft to very hard. Higher values of pH, fluoride concentration, and SAR were commonly found in sodium-bicarbonate type water. Dissolved-solids concentrations were in the 150- to 400-mg/L range.

Iron and manganese concentrations generally were less than 50 ug/L, but a few concentrations exceeded drinking water regulations throughout the region. The only trace-metal problem was dissolved lead; many concentrations were reported as less than 100 ug/L and there was no way to determine readily if these concentrations exceeded drinking water regulations.

Nitrate concentrations were, for the most part, below the drinking water regulation limit of 10 mg/L. A few concentrations exceeded 10 mg/L in each county. There are not enough historical data to draw any conclusions about fecal-coliform bacteria.

Generally, the historical and 1983 data lead to similar qualitative conclusions about ground water in the Columbia Basin, with some exceptions. In Douglas County, historical data indicate substantially higher concentrations of dissolved solids and most of the corresponding dissolved minerals than do the 1983 data. In the region as a whole, fewer historical sites appear to have had sodium-bicarbonate water types than in the 1983 data, but this may be due to a difference in the location and number of wells sampled. The other overall characteristics in the historical data are similar to those in the 1983 data.

Quantitative comparisons of raw data and statistical summaries (table 1) should be used cautiously. Beyond the problems in comparing historical and 1983 data that have already been discussed, some statistical differences in sampling exist also. In the historical data, a large period is covered. Much of the historical data was not sampled randomly, either temporally or spatially. In some areas, there are large differences in the number of wells sampled. 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

Samples collected in 1983 in the Columbia Basin indicate that the predominant chemical constituents of ground water were generally bicarbonate and either sodium or calcium. Sodium bicarbonate waters were predominant in the central and southern areas of the region. Hardness varied accordingly--the sodium bicarbonate waters were soft or moderately hard and the calcium bicarbonate waters were hard. Sodium-bicarbonate water types also had higher values of pH, SAR, and fluoride concentrations than other water types. Dissolved-solids concentrations were generally between 250 and 500 mg/L, although there were lower concentrations in the northern part of the study area.

In Quincy Basin there were no significant differences between water from wells in unconsolidated deposits and wells in basalts. In the Pasco Basin water from wells in unconsolidated deposits was calcium-bicarbonate type and water from basalt wells was sodium-bicarbonate type.

Iron and manganese concentrations were generally less than 20 ug/L and 10 ug/L, respectively; however, water in a few wells exceeded drinking water regulations for one or both of these constituents. Unlike studies in other regions, a strong correlation between iron and manganese concentrations was not observed. Trace-metal concentrations were generally less than 10 ug/L.

Nitrate concentrations were less than 1.0 mg/L in over half of the samples. In large areas of Lincoln, eastern Adams, Franklin, and southern Grant Counties, concentrations exceeded 1.0 mg/L and even 5.0 mg/L in many wells that were generally shallower than those with nitrate concentrations below 1.0 mg/L. No fecal-coliform bacteria were detected.

There were several instances where constituents appeared in quantities exceeding drinking water regulations, mostly in Grant or Adams Counties. Regulation limits for pH and fluoride were exceeded 18 and 16 times, respectively, generally in sodium-bicarbonate type water. Limits for dissolved-solids and nitrate concentrations were exceeded fewer times, but over a wider area, in non-sodium water types.

The historical data suggest similar conclusions about overall groundwater quality in the Columbia Basin with a few exceptions. Historical samples in Douglas County had higher dissolved-solids concentrations, and there were fewer sodium-bicarbonate water types throughout the region as a whole. These differences and other more quantitative comparisons must be used cautiously, however, due to statistical differences between the historical and 1983 data.

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T A B L E S 1 T H R O U G H 4

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

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

Adams County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	1020	(1159)	231	(203)	362	(353)	64	(79)
pH (units)	9.4	(9.3)	7.3	(7.3)	8.2	(8.0)	64	(80)
Bacteria, fecal-coliform (cols./100 mL)	<1	(--)	<1	(--)	<1	(--)	24	(0)
Hardness (as $CaCO_3$)	423	(388)	3	(4)	84	(97)	64	(81)
Noncarbonate hardness (as $CaCO_3$)	221	(187)	0	(0)	0	(0)	64	(81)
Calcium, dissolved	95	(76)	1.0	(1.7)	18	(21)	64	(81)
Magnesium, dissolved	45	(48)	.1	(.0)	8	(11)	64	(81)
Sodium, dissolved	89	(141)	8.5	(8.2)	45	(40)	64	(81)
Sodium adsorption ratio	25	(17)	.3	(.3)	2.0	(1.5)	64	(81)
Potassium, dissolved	14	(26)	1.9	(1.6)	7.3	(7.0)	64	(79)
Alkalinity, total (as $CaCO_3$)	283	(433)	86	(85)	140	(141)	64	(81)
Sulfate, dissolved	180	(126)	2.2	(5.0)	21	(22)	64	(81)
Chloride, dissolved	110	(79)	2.1	(2.2)	11	(10)	64	(81)
Fluoride, dissolved	4.8	(4.3)	.1	(.2)	.9	(.6)	64	(77)
Silica, dissolved (as SiO_2)	110	(93)	30	(30)	56	(48)	64	(74)
Dissolved solids (residue at 180°C)	--	(491)	--	(185)	--	(275)	0	(34)
Dissolved solids, calculated (sum of constituents)	669	(818)	160	(149)	262	(255)	64	(71)
Nitrate (as N)	30	(26)	<.10	(.00)	.35	(.39)	64	(76)
Iron, total recoverable (ug/L)	--	(2400)	--	(<10)	--	(50)	0	(31)
Iron, dissolved (ug/L)	480	(35)	<3	(0)	12	(3)	64	(47)
Manganese, total recoverable (ug/L)	--	(50)	--	(<20)	--	(20)	0	(10)
Manganese, dissolved (ug/L)	74	(80)	<1	(<1)	2	(2)	64	(45)

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

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

Douglas County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	705	(1760)	215	(220)	221	(415)	5	(26)
pH (units)	8.2	(9.0)	7.2	(7.0)	7.5	(7.6)	5	(25)
Bacteria, fecal-coliform (cols.100 mL)	<1	(1)	<1	(1)	<1	(1)	5	(3)
Hardness (as $CaCO_3$)	274	(878)	79	(35)	97	(178)	5	(26)
Noncarbonate hardness (as $CaCO_3$)	183	(550)	0	(0)	0	(13)	5	(26)
Calcium, dissolved	62	(170)	19	(9.0)	25	(44)	5	(26)
Magnesium, dissolved	29	(110)	7.6	(3.1)	11	(15)	5	(26)
Sodium, dissolved	22	(64)	7.8	(3.7)	12	(20)	5	(26)
Sodium adsorption ratio	.8	(4.8)	.4	(.1)	.4	(.7)	5	(26)
Potassium, dissolved	3.8	(12)	1.2	(1.1)	2.0	(4.0)	5	(26)
Alkalinity, total (as $CaCO_3$)	115	(328)	91	(81)	103	(156)	5	(26)
Sulfate, dissolved	50	(460)	4.1	(<5.0)	15	(30)	5	(26)
Chloride, dissolved	74	(100)	1.1	(.8)	4.3	(5.4)	5	(26)
Fluoride, dissolved	.3	(2.0)	.2	(.2)	.3	(.3)	5	(26)
Silica, dissolved (as SiO_2)	47	(60)	32	(13)	45	(40)	5	(26)
Dissolved solids (residue at 180°C)	--	(1150)	--	(152)	--	(270)	0	(12)
Dissolved solids, calculated (sum of constituents)	347	(1136)	160	(141)	165	(265)	5	(25)
Nitrate (as N)	22	(17)	.24	(.07)	.66	(2.4)	5	(26)
Iron, total recoverable (ug/L)	--	(1600)	--	(<10)	--	(45)	0	(12)
Iron, dissolved (ug/L)	19	(35)	5	(<3)	14	(10)	5	(15)
Manganese, total recoverable (ug/L)	--	(120)	--	(<10)	--	(20)	0	(8)
Manganese, dissolved (ug/L)	8	(32)	1	(<1)	3	(4)	5	(15)

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

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

Franklin County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	955	(1130)	250	(151)	445	(458)	29	(48)
pH	8.8	(8.8)	7.4	(7.3)	7.8	(7.9)	29	(48)
Bacteria, fecal-coliform (cols./100 mL)	<1	(--)	<1	--	<1	(--)	19	(0)
Hardness (as $CaCO_3$)	385	(484)	3	(4)	138	(138)	29	(49)
Noncarbonate hardness (as $CaCO_3$)	190	(545)	0	(0)	0	(0)	29	(49)
Calcium, dissolved	80	(140)	.8	(1.2)	29	(30)	29	(49)
Magnesium, dissolved	57	(106)	.3	(.3)	18	(14)	29	(49)
Sodium, dissolved	90	(115)	18	(7.8)	35	(34)	29	(49)
Sodium adsorption ratio	19	(20)	.5	(.4)	1.2	(1.2)	29	(49)
Potassium, dissolved	21	(19)	2.1	(1.9)	6.9	(6.7)	29	(49)
Alkalinity, total (as $CaCO_3$)	402	(396)	103	(59)	165	(149)	29	(49)
Sulfate, dissolved	150	(319)	<.2	(.0)	43	(41)	29	(49)
Chloride, dissolved	55	(128)	3.4	(1.6)	18	(14)	29	(49)
Fluoride, dissolved	2.4	(4.2)	.3	(.2)	.6	(.5)	29	(48)
Silica, dissolved (as SiO_2)	100	(100)	32	(25)	56	(50)	29	(44)
Dissolved solids (residue at 180°C)	--	(1180)	--	(113)	--	(293)	0	(25)
Dissolved solids, calculated (sum of constituents)	574	(977)	209	(107)	311	(306)	29	(48)
Nitrate (as N)	13	(13)	<.10	(.00)	1.9	(1.7)	29	(48)
Iron, total recoverable (ug/L)	--	(1200)	--	(<10)	--	(41)	0	(24)
Iron, dissolved (ug/L)	150	(210)	<3	(<3)	9	(6)	29	(26)
Manganese, total recoverable (ug/L)	--	(100)	--	(<20)	--	(20)	0	(6)
Manganese, dissolved (ug/L)	71	(67)	<1	(<1)	2	(2)	29	(21)

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

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

Grant County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	1090	(5040)	175	(41)	393	(408)	47	(150)
pH	9.2	(9.4)	7.0	(6.8)	7.7	(7.9)	47	(154)
Bacteria, fecal-coliform (cols./100 mL)	<1	(--)	<1	(--)	<1	(--)	28	(0)
Hardness (as $CaCO_3$)	490	(1735)	3	(7)	141	(144)	47	(174)
Noncarbonate hardness (as $CaCO_3$)	350	(744)	0	(0)	0	(0)	47	(174)
Calcium, dissolved	94	(239)	1.2	(2.2)	30	(32)	47	(174)
Magnesium, dissolved	62	(420)	.1	(.3)	14	(15)	47	(174)
Sodium, dissolved	110	(1120)	5.0	(5.8)	31	(30)	47	(162)
Sodium adsorption ratio	20	(16)	.2	(.3)	1.1	(1.1)	47	(161)
Potassium, dissolved	19	(55)	1.5	(.0)	5.9	(5.5)	47	(158)
Alkalinity, total (as $CaCO_3$)	391	(1280)	67	(40)	140	(148)	47	(175)
Sulfate, dissolved	280	(980)	10	(4.6)	36	(31)	47	(175)
Chloride, dissolved	120	(700)	1.8	(1.2)	14	(12)	47	(175)
Fluoride, dissolved	3.1	(2.5)	.2	(.0)	.6	(.5)	47	(133)
Silica, dissolved (as SiO_2)	74	(78)	22	(11)	54	(53)	47	(133)
Dissolved solids (residue at 180°)	--	(1740)	--	(132)	--	(276)	--	(101)
Dissolved solids, calculated (sum of constituents)	674	(1220)	130	(131)	291	(267)	47	(127)
Nitrate (as N)	21	(14)	<.10	(.00)	1.2	(.83)	47	(152)
Iron, total recoverable (ug/L)	--	(1900)	--	(<10)	--	(46)	0	(78)
Iron, dissolved (ug/L)	370	(140)	<3	(0)	10	(7)	47	(59)
Manganese, total recoverable (ug/L)	--	(55)	--	(<10)	--	(50)	0	(25)
Manganese, dissolved (ug/L)	97	(160)	<1	(<1)	2	(5)	47	(51)

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

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

Lincoln County

Constituent	Maximum		Minimum		Median		Number of sample sites	
Specific conductance (micromhos)	1750	(1270)	181	(178)	370	(313)	43	(71)
pH (units)	8.7	(8.9)	6.6	(6.5)	7.8	(7.8)	43	(71)
Bacteria, fecal-coliform (cols./100 mL)	<1	(--)	<1	(--)	<1	(--)	25	(0)
Hardness (as $CaCO_3$)	613	(652)	34	(38)	113	(106)	43	(71)
Noncarbonate hardness (as $CaCO_3$)	399	(468)	0	(0)	0	(0)	43	(71)
Calcium, dissolved	140	(150)	8.2	(9.0)	25	(24)	43	(71)
Magnesium, dissolved	64	(78)	3.1	(2.5)	12	(11)	43	(71)
Sodium, dissolved	120	(120)	8.7	(2.9)	24	(21)	43	(71)
Sodium adsorption ratio	4.3	(4.3)	.5	(.1)	.9	(.8)	43	(71)
Potassium, dissolved	11	(38)	2.0	(1.4)	3.9	(3.9)	43	(71)
Alkalinity, total (as $CaCO_3$)	306	(310)	56	(64)	137	(123)	43	(71)
Sulfate, dissolved	250	(543)	3.0	(<5.0)	17	(16)	43	(71)
Chloride, dissolved	260	(250)	2.3	(.5)	10	(7.5)	43	(71)
Fluoride, dissolved	1.4	(5.8)	.2	(.2)	.4	(.4)	43	(71)
Silica, dissolved (as SiO_2)	58	(78)	35	(13)	45	(44)	43	(71)
Dissolved sodids (residue at 180°C)	--	(1040)	--	(106)	--	(194)	0	(27)
Dissolved solids, calculated sum of constituents)	992	(996)	134	(104)	233	(217)	43	(69)
Nitrate (as N)	24	(21)	<.10	(.02)	.57	(.88)	43	(71)
Iron, total rcoverable (ug/L)	--	(1100)	--	(<10)	--	(50)	0	(29)
Iron, dissolved (ug/L)	390	(320)	<3	(<3)	13	(9)	43	(42)
Manganese, total recoverable (ug/L)	--	(50)	--	(0)	--	(50)	0	(23)
Manganese, dissolved (ug/L)	860	(880)	<1	(<1)	2	(6)	43	(42)

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

EPLANATION OF GEOLOGIC UNITS

Geologic unit codes used in this table indicate that wells are open to one or more of the following formations.

Geologic Unit Code		Formation
Basalt units:		
122	SDLM	Saddle Mountains Basalt
122	YKIM	Saddle Mountains and Wanapum Basalts, undivided
122	WWPM	Wanapum Basalt
122	CBRV	Wanapum and Grande Ronde Basalts, undivided
122	GDRD	Gronde Ronde Basalt
Unconsolidated units:		
110	ALVM	Alluvium
112	GLCV	Glaciofluvial deposits
112	RGLD	Ringold Formation

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				ADAMS						
15/28E-08E01	46 48 15	119 20 37	01	--	60-10-18	415	855.00	416	7.9	18.0
15/28E-15D01	46 47 40	119 18 06	01	--	52-02-00	865	--	442	8.1	--
				--	71-10-06	865	--	400	7.7	24.2
15/28E-24G01	46 46 37	119 14 41	01	121CRRV	52-04-00	237	884.00	433	7.4	17.2
				121CRRV	53-07-00	237	--	444	8.2	--
				121CRRV	71-09-23	237	--	1210	7.7	15.7
15/29E-24L01	46 46 19	119 15 10	01	121CRRV	52-02-00	382	--	421	8.2	17.8
				121CRRV	53-12-00	382	--	431	7.7	--
				121CRRV	56-09-18	382	996.00	1100	8.0	--
15/28E-35P01	46 44 22	119 16 20	01	121CRRV	56-08-24	840	--	350	8.0	--
15/29E-03C01	46 49 27	119 10 05	01	--	55-08-02	697	--	--	8.4	22.8
15/29E-03J01	46 49 09	119 09 22	01	121CRRV	70-10-27	905	--	406	8.2	20.8
15/29E-04A01	46 49 33	119 10 30	01	--	39-04-06	560	--	--	8.2	--
				--	42-04-27	560	--	397	--	20.0
				--	55-08-02	560	1050.00	9	--	--
15/29E-04A02	46 49 28	119 10 30	01	122CRRV	82-08-10	1210	1053.00	440	9.3	26.6
				122CRRV	83-03-15	1210	1053.00	432	9.3	25.9
15/29E-04H01	46 49 20	119 10 30	01	121CRRV	44-00-00	538	1315.00	--	--	--
15/29E-27P01	46 45 15	119 09 33	01	121CRRV	52-07-00	550	962.00	363	8.4	--
15/30E-12L01	46 47 58	118 59 38	01	122CRRV	83-05-19	1379	1242.00	362	8.6	17.7
15/30E-23A01	46 46 38	119 00 19	01	--	58-03-11	500	1171.00	339	8.1	12.0
15/30E-36A01	46 45 04	118 59 09	01	121CRRV	56-03-13	492	--	338	8.1	--
15/31E-05L01	46 48 50	118 57 07	01	122CRRV	83-05-27	1334	1260.00	397	8.0	18.9
15/31E-08AD1D1	46 48 07	118 56 41	01	122CRRV	83-05-26	1210	1275.00	389	7.8	22.7
15/31E-08N01	46 47 46	118 57 39	01	122CRRV	82-08-10	1030	1220.00	390	8.8	22.9
				122CRRV	83-05-19	1030	1220.00	400	8.8	23.1
15/31E-16D01	46 47 27	118 56 05	01	122CRRV	83-05-26	1413	1270.00	372	9.1	28.7
15/31E-31P01	46 44 15	118 57 53	01	122WNPM	82-08-10	304	1115.00	787	7.7	15.7
				122WNPM	83-03-14	304	1115.00	790	7.4	14.6
15/32E-01P01	46 48 42	118 43 46	01	--	60-10-18	664	1366.00	297	8.2	15.0
15/32E-07J01	46 47 52	118 50 08	01	122GDRD	83-05-20	1896	1300.00	348	8.3	25.4
15/32E-08E01	46 48 03	118 49 53	01	122CRRV	82-08-09	1980	1309.00	320	8.6	26.0
15/33E-02A01	46 49 24	118 37 45	01	122CRRV	82-08-07	830	1495.00	318	8.4	16.9
15/33E-02A01D1	46 49 24	118 37 45	02	122CRRV	83-03-16	1200	1495.00	318	8.6	17.0
15/33E-15N02	46 46 50	118 40 16	01	122WNPM	82-08-07	480	1420.00	565	8.1	17.2
				122WNPM	83-03-16	480	1420.00	527	7.7	16.2
15/35E-02D01	46 49 24	118 23 45	01	122WNPM	82-08-07	342	1710.00	301	8.1	15.1
				122WNPM	83-05-24	342	1710.00	291	8.2	14.3
15/36E-28N01D1	46 45 12	118 18 48	01	122CRRV	62-05-01	380	1012.00	392	7.2	13.9
				122CRRV	82-08-06	380	1012.00	520	8.0	16.4

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				ADAMS						
15/28E-08E01	60-10-18	--	133	0	30	14	34	34	1.3	10
15/28E-15D01	52-02-00	--	101	0	19	13	56	51	2.5	11
	71-10-06	--	44	0	10	4.7	54	59	3.6	29
15/28E-24G01	52-04-00	--	140	0	33	14	45	40	1.7	4.3
	53-07-00	--	135	0	31	14	41	39	1.6	4.7
	71-09-23	--	539	273	110	54	61	19	1.2	9.2
15/28E-24L01	52-02-00	--	163	5	29	22	24	24	.8	4.7
	53-12-00	--	158	16	32	19	30	28	1.1	4.7
	56-09-18	--	4	0	1.8	.0	222	99	48	1.6
15/29E-35P01	56-08-24	--	122	0	24	15	25	30	1.0	5.9
15/29E-03C01	55-08-02	--	18	0	4.2	1.8	77	83	8.2	13
15/29E-03J01	70-10-27	--	39	0	7.6	4.8	70	73	5.0	13
15/29E-04A01	39-04-06	--	17	0	3.8	1.8	78	84	8.5	13
	42-04-27	--	23	0	3.6	3.5	78	81	7.2	12
	55-08-02	--	12	0	2.8	1.2	69	84	9.0	13
15/29E-04A02	82-08-10	--	21	0	4.9	2.2	88	86	8.5	8.3
	83-03-15	<1	30	0	6.7	3.3	89	83	7.2	8.3
15/29E-04H01	44-00-00	--	23	0	6.0	2.0	99	--	9.2	--
15/29E-27P01	52-07-00	--	97	0	19	12	40	45	1.8	5.9
15/30E-12L01	83-05-19	--	82	0	13	12	42	50	2.1	6.4
15/30E-23A01	58-03-11	--	80	0	18	8.5	36	46	1.8	9.4
15/30E-36E01	56-03-13	--	116	0	20	16	25	31	1.0	3.1
15/31E-05L01	83-05-27	--	99	0	20	12	41	44	1.8	9.7
15/31E-08J01D1	83-05-26	--	63	0	14	6.9	54	60	3.0	13
15/31E-08N01	82-08-10	--	45	0	9.5	5.2	65	71	4.3	10
	83-05-19	--	44	0	9.6	4.9	69	72	4.6	11
15/31E-16D01	83-05-26	--	14	0	3.7	1.1	78	87	9.5	8.6
15/31E-31P01	82-08-10	--	363	187	74	43	18	0	.4	4.4
	83-03-14	<1	359	183	73	43	18	0	.4	4.1
15/32E-01P01	60-10-19	--	34	0	10	2.1	51	71	4.0	8.8
15/32E-07J01	83-05-20	--	43	0	9.3	4.9	57	70	3.9	7.0
15/32E-08E01	82-08-09	--	44	0	10	4.6	50	66	3.4	8.6
15/33E-02A01	82-08-07	--	127	0	31	12	16	21	.6	3.7
15/33E-02A01D1	83-03-16	<1	107	0	27	9.6	27	34	1.2	4.8
15/33E-15N02	82-08-07	--	265	137	68	23	15	11	.4	3.9
	83-03-16	<1	227	94	58	20	14	12	.4	3.6
15/35E-02D01	82-08-07	--	96	0	17	13	25	34	1.1	7.1
	83-05-24	<1	92	0	17	12	26	36	1.2	7.1
15/36E-28N01D1	62-05-01	--	165	0	38	17	18	19	.6	3.8
	82-08-06	--	192	0	44	20	47	34	1.5	8.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				ADAMS						
15/28E-08E01	60-10-18	196	--	0	--	161	--	41	10	.6
15/28E-15D01	52-02-00	198	--	7	--	174	--	40	16	.8
	71-10-06	176	--	0	--	144	--	49	13	.8
15/28E-24G01	52-04-00	237	--	0	--	194	--	34	7.1	.5
	53-07-00	229	--	--	--	188	--	33	8.2	.6
	71-09-23	324	--	0	--	266	--	310	52	.4
15/28E-24L01	52-02-00	193	--	0	--	158	--	47	13	.8
	53-12-00	173	--	0	--	142	--	54	15	.6
	56-09-18	176	--	0	--	144	--	236	68	.7
15/28E-35P01	56-08-24	169	--	0	--	139	--	32	11	.6
15/29E-03C01	55-08-02	170	--	6	--	149	--	23	16	--
15/29E-03J01	70-10-27	184	--	0	--	151	--	30	14	1.8
15/29E-04A01	39-04-06	190	--	--	--	156	--	25	16	2.5
	42-04-27	183	--	0	--	150	--	28	15	2.6
	55-08-02	162	--	10	--	150	--	23	16	--
15/29E-04A02	82-08-10	--	111	--	39	--	158	31	14	4.3
	83-03-15	--	112	--	42	--	165	34	16	4.8
15/29E-04H01	44-00-00	197	--	--	--	162	--	24	16	--
15/29E-27P01	52-07-00	170	--	6	--	149	--	25	14	1.0
15/30E-12L01	83-05-19	--	129	--	8.0	--	116	32	15	1.0
15/30E-23A01	59-03-11	172	--	0	--	141	--	22	8.2	.9
15/30E-36A01	56-03-13	175	--	0	--	144	--	20	9.9	1.0
15/31E-05L01	83-05-27	--	166	--	.0	--	141	31	19	.7
15/31E-09J01D1	83-05-26	--	168	--	.0	--	135	42	11	1.7
15/31E-08N01	82-08-10	--	151	--	16	--	150	28	10	2.3
	83-05-19	--	156	--	15	--	150	29	11	2.3
15/31E-16D01	83-05-26	--	148	--	15	--	151	21	11	2.8
15/31E-31R01	82-08-10	--	214	--	.0	--	176	120	48	.4
	83-03-14	--	206	--	.0	--	176	130	48	.4
15/32E-01R01	60-10-18	160	--	0	--	131	--	10	9.0	1.6
15/32E-07J01	83-05-20	--	172	--	.0	--	142	18	9.8	1.8
15/32E-08E01	82-08-09	--	164	--	.0	--	139	17	8.8	1.7
15/33E-02A01	82-08-07	--	156	--	.0	--	130	14	11	.3
15/33E-02A01D1	83-03-16	--	139	--	8.0	--	128	16	15	.9
15/33E-15N02	82-08-07	--	153	--	.0	--	128	26	46	.2
	83-03-16	--	157	--	.0	--	133	22	36	.3
15/35E-02P01	82-08-07	--	177	--	.0	--	146	7.0	4.2	.4
	83-05-24	--	176	--	.0	--	144	7.7	4.1	.4
15/36E-28N01D1	62-05-01	214	--	0	--	176	--	17	9.5	.4
	82-08-06	--	304	--	.0	--	250	23	16	.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			ADAMS				
15/28E-08E01	60-10-18	65	292	301	.70	--	--
15/28E-15D01	52-02-00	--	318	--	.90	--	--
	71-10-06	68	278	315	--	.03	--
15/28E-24G01	52-04-00	--	294	--	.00	--	--
	53-07-00	--	314	--	3.1	--	--
	71-09-23	51	864	818	--	5.6	--
15/28E-24L01	52-02-00	--	292	--	.70	--	--
	53-12-00	--	290	--	4.7	--	--
	56-09-18	--	690	--	7.7	--	--
15/28E-35P01	55-08-24	--	268	--	--	--	--
15/29E-03C01	55-08-02	54	294	285	--	--	--
15/29E-03J01	70-10-27	56	276	288	.20	--	--
15/29E-04A01	39-04-06	57	302	291	.00	--	--
	42-04-27	52	287	285	.10	--	--
	55-08-02	--	281	--	--	--	--
15/29E-04A02	82-08-10	84	--	352	--	--	.36
	83-03-15	87	--	368	--	--	.58
15/29E-04H01	44-00-00	37	301	281	--	--	--
15/29E-27R01	52-07-00	--	252	--	3.1	--	--
15/30E-12L01	83-05-19	53	--	250	--	--	1.3
15/30E-23A01	58-03-11	38	226	226	1.2	--	--
15/30E-36A01	56-03-13	--	278	--	1.1	--	--
15/31E-05L01	83-05-27	48	--	263	--	--	.34
15/31E-08J01D1	83-05-26	60	--	286	--	--	<.10
15/31E-08N01	82-08-10	63	--	291	--	--	<.10
	83-05-19	65	--	303	--	--	<.10
15/31E-16D01	83-05-26	83	--	306	--	--	<.10
15/31E-31P01	82-09-10	45	--	459	--	--	12
	83-03-14	45	--	463	--	--	9.2
15/32E-01P01	60-10-18	56	238	237	.90	--	--
15/32E-07J01	83-05-20	66	--	258	--	--	.18
15/32E-08E01	82-08-09	66	--	247	--	--	.26
15/33E-02A01	82-08-07	44	--	209	--	--	1.5
15/33E-02A01D1	83-03-16	56	--	237	--	--	1.6
15/33E-15N02	82-08-07	41	--	299	--	--	25
	83-03-16	43	--	274	--	--	12
15/35E-02D01	82-08-07	44	--	205	--	--	.48
	83-05-24	44	--	205	--	--	1.2
15/36E-28N01D1	62-05-01	47	--	256	.50	--	--
	82-08-06	52	--	361	--	--	3.2

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	ADAMS				
15/28E-08E01	60-10-18	610	--	--	--
15/28E-15D01	52-02-00	--	--	--	--
	71-10-06	50	--	20	--
15/28E-24G01	52-04-00	--	--	--	--
	53-07-00	--	--	--	--
	71-09-23	250	--	<20	--
15/28E-24L01	52-02-00	--	--	--	--
	53-12-00	--	--	--	--
	56-09-18	--	0	--	--
15/28E-35P01	56-08-24	--	--	--	--
15/29E-03C01	55-08-02	20	--	--	--
15/29E-03J01	70-10-27	30	--	<20	--
15/29E-04A01	39-04-06	50	--	--	--
	42-04-27	40	--	--	--
	55-08-02	--	20	--	--
15/29E-04A02	82-08-10	--	35	--	2
	83-03-15	--	36	--	2
15/29E-04H01	44-00-00	--	--	--	--
15/29E-27P01	52-07-00	--	--	--	--
15/30E-12L01	83-05-19	--	20	--	<10
15/30E-23A01	58-03-11	400	--	--	--
15/30E-36A01	56-03-13	40	--	--	--
15/31E-05L01	83-05-27	--	<3	--	3
15/31E-08J01D1	83-05-26	--	480	--	55
15/31E-08N01	82-08-10	--	<3	--	<1
	83-05-19	--	20	--	<10
15/31E-16D01	83-05-26	--	26	--	2
15/31E-31R01	82-08-10	--	3	--	2
	83-03-14	--	7	--	7
15/32E-01R01	60-10-18	70	--	--	--
15/32E-07J01	83-05-20	--	12	--	<1
15/32E-08F01	82-08-09	--	<3	--	2
15/33E-02A01	82-08-07	--	<3	--	<1
15/33E-02A01D1	83-03-16	--	<3	--	3
15/33E-15N02	82-08-07	--	<3	--	14
	83-03-16	--	.7	--	1
15/35E-02D01	82-08-07	--	<3	--	9
	83-05-24	--	17	--	9
15/36E-28N01D1	62-05-01	20	--	--	--
	82-08-06	--	<3	--	2

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				ADAMS						
15/36E-28N01D1	46 45 12	118 18 48	01	122CRRV	83-05-24	390	1012.00	520	7.9	17.0
15/36E-33A02	46 45 07	118 17 55	01	122GDRD	82-09-08	510	1030.00	410	7.7	19.9
				122GDRD	83-05-24	510	1030.00	435	7.4	19.9
15/37E-27H01	46 45 39	118 08 59	01	--	71-09-29	--	--	394	7.4	15.0
16/28E-04B01	46 54 44	119 18 37	01	122SDLM	82-08-12	179	1020.00	710	7.7	15.1
				122SDLM	83-03-15	179	1020.00	860	7.4	15.1
16/28E-05N01	46 53 52	119 20 33	01	122WNPM	83-03-15	290	1000.00	695	7.8	14.8
16/28E-08P01	46 53 04	119 20 09	01	--	58-03-11	304	--	508	8.1	17.0
16/29E-06M02	46 49 03	119 14 09	01	--	51-08-27	12	--	980	7.6	--
				--	52-07-15	12	--	888	7.5	--
16/29E-06P01	46 48 45	119 13 47	01	--	51-08-27	16	--	1087	7.6	--
				--	52-06-02	16	--	1231	7.5	--
16/29E-34D01	46 50 24	119 10 24	01	122CRRV	83-05-27	1043	1080.00	385	8.3	24.6
16/29E-34R01	46 49 45	119 09 26	01	--	61-05-04	901	1117.00	393	8.6	23.0
16/30E-18A01	46 52 58	119 05 27	01	--	55-06-00	392	--	467	7.6	--
				--	60-10-18	392	1190.00	373	7.9	15.5
				--	61-05-04	392	--	405	8.1	16.0
16/30E-26A02D1	46 51 08	119 00 16	01	122CRRV	82-08-10	1057	1365.00	350	9.0	29.7
				122CRRV	83-05-19	1057	1365.00	371	9.0	21.3
16/30E-35D01	46 49 31	119 01 11	01	121CRRV	57-04-12	231	--	426	7.6	--
				121CRRV	57-04-24	231	--	415	7.5	--
16/31E-14K01	46 52 25	118 53 13	01	122CRRV	82-09-09	1342	1415.00	320	8.6	25.7
				122CRRV	83-05-24	1342	1415.00	317	8.5	25.8
16/31E-33P01	46 49 25	118 56 00	01	122WNPM	82-09-08	540	1300.00	370	7.9	20.1
				122WNPM	83-03-15	540	1300.00	341	7.7	14.6
16/32E-11D01D1	46 53 46	118 46 08	01	122CRRV	82-08-09	1407	1475.00	313	8.1	23.4
				122CRRV	83-05-19	1407	1475.00	300	8.2	23.0
16/32E-14D01	46 52 43	118 46 11	01	122CRRV	83-05-27	1310	1378.00	392	8.3	24.4
16/32E-18G01D2	46 52 39	118 50 32	01	122CRRV	83-05-26	1545	1580.00	375	9.4	26.2
16/33E-17B02	46 52 51	118 42 07	02	122WNPM	82-08-09	600	1655.00	287	8.0	19.6
				122WNPM	83-03-17	600	1655.00	277	7.9	12.3
16/34E-13P02	46 52 12	118 28 57	01	122WNPM	82-08-09	400	1695.00	240	7.8	17.6
				122WNPM	83-05-24	400	1695.00	231	8.3	16.1
16/35E-31B01	46 50 22	118 28 17	01	122CRRV	82-08-07	620	1575.00	266	7.9	15.9
				122CRRV	83-05-24	620	1575.00	261	7.4	15.8
16/35E-32N01D1	46 49 40	118 27 42	01	122CRRV	83-05-27	1100	1583.00	262	7.6	16.4
16/36E-06B02	46 54 44	118 20 30	01	122CRRV	82-08-05	560	1685.00	381	7.8	17.2
				122CRRV	83-05-25	560	1685.00	389	8.0	15.2
16/36E-11H01D1	46 53 37	118 14 46	01	122WNPM	82-08-05	200	1560.00	340	7.8	14.2
				122WNPM	83-05-25	200	1560.00	348	8.2	14.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				ADAMS						
15/36E-28N01D1	83-05-24	--	157	0	35	17	53	41	1.9	9.2
15/36E-33A02	82-09-08	--	151	0	29	19	40	35	1.5	7.1
	83-05-24	--	148	0	28	19	39	35	1.4	7.7
15/37E-27H01	71-09-29	--	152	0	36	15	25	25	.9	6.2
16/28E-04R01	82-08-12	--	316	46	62	39	29	16	.7	8.4
	83-03-15	<1	320	37	64	39	33	18	.8	13
16/28E-05N01	83-03-15	<1	282	61	52	37	44	25	1.2	9.2
16/28E-08P01	58-03-11	--	27	0	5.6	3.2	86	76	7.4	26
16/29E-06M02	51-08-27	--	253	0	55	28	106	46	3.0	17
	52-07-15	--	244	0	50	29	102	46	2.9	16
16/29E-06P01	51-08-27	--	317	0	66	37	120	43	3.0	20
	52-06-02	--	289	0	58	35	161	53	4.2	20
16/29E-34D01	83-05-27	--	7	0	1.8	.5	81	89	14	12
16/29E-34R01	61-05-04	--	11	0	3.0	.8	81	87	11	12
16/30E-18A01	55-06-00	--	71	0	12	10	67	63	3.5	11
	60-10-18	--	116	0	15	19	32	37	1.3	1.7
	61-05-04	--	148	23	18	25	26	27	.9	2.2
16/30E-26A02D1	82-08-10	--	5	0	2.0	.1	75	91	15	8.5
	83-05-19	--	28	0	6.8	2.6	68	78	5.8	11
16/30E-35Q01	57-04-12	--	112	0	17	17	44	45	1.8	3.9
	57-04-24	--	145	14	17	25	32	32	1.2	2.0
16/31E-14K01	82-09-09	--	24	0	6.7	1.7	62	79	5.7	9.2
	83-05-24	--	26	0	7.1	1.9	60	78	5.4	9.5
16/31E-33P01	82-09-08	--	104	0	22	12	31	37	1.4	9.0
	83-03-15	<1	107	0	23	12	32	37	1.4	9.1
16/32E-11D01D1	82-08-09	--	43	0	12	3.1	47	66	3.2	8.7
	83-05-19	--	51	0	14	3.9	50	64	3.2	7.8
16/32E-14D01	83-05-27	--	62	0	17	4.8	57	62	3.3	11
16/32E-18G01D2	83-05-26	--	12	0	2.9	1.1	78	89	10	7.2
16/33E-17B02	82-08-09	--	111	0	23	13	20	27	.8	3.5
	83-03-17	<1	111	0	23	13	20	27	.8	3.4
16/34E-13R02	82-08-09	--	100	0	25	9.1	9.6	17	.4	3.6
	83-05-24	<1	101	0	25	9.3	9.1	16	.4	3.4
16/35E-31R01	82-08-07	--	106	0	26	10	12	19	.5	2.9
	83-05-24	--	110	0	26	11	12	19	.5	2.9
16/35E-32N01D1	83-05-27	--	115	0	28	11	13	19	.5	3.1
16/36E-06R02	82-08-05	--	159	44	39	15	14	16	.5	3.2
	83-05-25	<1	163	49	39	16	12	14	.4	3.1
16/36E-11H01D1	82-08-05	--	157	22	43	12	8.2	10	.3	2.5
	83-05-25	--	161	21	43	13	8.5	10	.3	2.6

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				ADAMS						
15/36E-28N01D1	83-05-24	--	293	--	.0	--	237	19	12	.6
15/36E-33A02	82-09-08	--	281	--	.0	--	226	11	6.1	.8
	83-05-24	--	275	--	.0	--	224	10	6.3	.9
15/37E-27H01	71-09-29	233	--	0	--	191	--	11	6.6	.3
16/29E-04R01	82-08-12	--	336	--	.0	--	270	60	12	.4
	83-03-15	--	339	--	.0	--	283	83	18	.3
16/29E-05N01	83-03-15	--	266	--	.0	--	221	110	21	.7
16/29E-08P01	58-03-11	212	--	0	--	174	--	50	14	1.0
16/29E-06M02	51-08-27	456	--	--	--	374	--	73	24	--
	52-07-15	467	--	--	--	383	--	77	25	--
16/29E-06P01	51-08-27	492	--	0	--	404	--	106	56	--
	52-06-02	562	--	--	--	461	--	122	62	--
16/29E-34D01	83-05-27	--	209	--	.0	--	147	26	14	2.6
16/29E-34P01	61-05-04	170	--	6	--	149	--	27	14	2.8
16/30E-18A01	55-06-00	197	--	--	--	162	--	38	23	1.0
	60-10-18	144	--	0	--	118	--	33	24	.8
	61-05-04	152	--	0	--	125	--	44	22	.7
16/30E-26A02D1	82-08-10	--	127	--	26	--	150	15	9.9	2.4
	83-05-19	--	160	--	12	--	148	22	11	1.8
16/30E-35Q01	57-04-12	171	--	0	--	140	--	34	24	.8
	57-04-24	150	--	0	--	131	--	43	27	.6
16/31E-14K01	82-09-09	--	155	--	8.0	--	133	15	7.6	1.6
	83-05-24	--	168	--	4.0	--	140	13	6.8	1.7
16/31E-33P01	82-09-08	--	174	--	.0	--	141	26	12	.5
	83-03-15	--	174	--	.0	--	147	24	10	.6
16/32E-11D01D1	82-08-09	--	159	--	.0	--	133	13	8.8	1.5
	83-05-19	--	156	--	.0	--	130	16	10	1.5
16/32E-14D01	83-05-27	--	178	--	.0	--	135	31	18	1.5
16/32E-18G01D2	83-05-26	--	115	--	42	--	155	14	11	3.7
16/33E-17R02	82-08-09	--	169	--	.0	--	141	10	2.8	.4
	83-03-17	--	172	--	.0	--	144	8.3	2.8	.5
16/34E-13R02	82-08-09	--	142	--	.0	--	122	<5.0	2.2	.2
	83-05-24	--	145	--	.0	--	118	3.6	2.1	.2
16/35E-31R01	82-08-07	--	148	--	.0	--	126	6.0	4.7	.3
	83-05-24	--	150	--	.0	--	125	6.2	4.8	.3
16/35E-32N01D1	83-05-27	--	152	--	.0	--	127	7.5	6.3	.3
16/36E-06R02	82-08-05	--	139	--	.0	--	115	19	23	.3
	83-05-25	--	139	--	.0	--	114	19	26	.3
16/36E-11H01D1	82-08-05	--	163	--	.0	--	135	13	13	.2
	83-05-25	--	174	--	.0	--	140	14	11	.2

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			ADAMS				
15/36E-28N01D1	83-05-24	53	--	343	--	--	1.6
15/36E-33A02	82-09-08	76	--	327	--	--	<.10
	83-05-24	76	--	322	--	--	.14
15/37E-27H01	71-09-29	52	302	267	--	1.2	--
16/28E-04R01	82-08-12	54	--	431	--	--	9.3
	83-03-15	53	--	470	--	--	5.7
16/28E-05N01	83-03-15	56	--	461	--	--	5.9
16/28E-08P01	58-03-11	36	330	326	.50	--	--
16/29E-06M02	51-08-27	--	--	--	--	--	--
	52-07-15	--	--	--	--	--	--
16/29E-06P01	51-08-27	--	--	--	--	--	--
	52-06-02	--	--	--	--	--	--
16/29E-34D01	83-05-27	64	--	305	--	--	.17
16/29E-34P01	61-05-04	62	294	298	.00	--	--
16/30E-18A01	55-06-00	--	332	--	.60	--	--
	60-10-18	53	257	249	2.8	--	--
	61-05-04	53	271	266	1.7	--	--
16/30E-26A02D1	82-08-10	93	--	308	--	--	<.10
	83-05-19	79	--	299	--	--	.25
16/30E-35Q01	57-04-12	--	274	--	6.2	--	--
	57-04-24	--	266	--	3.1	--	--
16/31E-14K01	82-09-09	72	--	264	--	--	.74
	83-05-24	72	--	261	--	--	.25
16/31E-33P01	82-09-08	57	--	255	--	--	.35
	83-03-15	59	--	255	--	--	.32
16/32E-11D01D1	82-08-09	69	--	241	--	--	.35
	83-05-19	68	--	248	--	--	.57
16/32E-14D01	83-05-27	66	--	294	--	--	.24
16/32E-18G01D2	83-05-26	93	--	331	--	--	<.10
16/33E-17R02	82-08-09	48	--	204	--	--	.50
	83-03-17	48	--	204	--	--	.37
16/34E-13R02	82-08-09	49	--	--	--	--	.27
	83-05-24	49	--	173	--	--	.33
16/35E-31B01	82-08-07	47	--	182	--	--	.56
	83-05-24	47	--	184	--	--	1.8
16/35E-32N01D1	83-05-27	49	--	193	--	--	.75
16/36E-06R02	82-08-05	45	--	227	--	--	6.4
	83-05-25	45	--	229	--	--	6.6
16/36E-11H01D1	82-08-05	36	--	208	--	--	3.6
	83-05-25	36	--	214	--	--	4.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	ADAMS				
15/36E-28N01D1	83-05-24	--	9	--	4
15/36E-33A02	82-09-08	--	8	--	80
	83-05-24	--	21	--	74
15/37E-27H01	71-09-29	30	--	<20	--
16/28E-04R01	82-08-12	--	<3	--	4
	83-03-15	--	12	--	1
16/28E-05N01	83-03-15	--	16	--	2
16/28E-08P01	58-03-11	140	--	--	--
16/29E-06M02	51-08-27	--	--	--	--
	52-07-15	--	--	--	--
16/29E-06P01	51-08-27	--	--	--	--
	52-06-02	--	--	--	--
16/29E-34D01	83-05-27	--	23	--	14
16/29E-34P01	61-05-04	<10	--	--	--
16/30E-18A01	55-06-00	--	--	--	--
	60-10-18	40	--	--	--
	61-05-04	<10	--	--	--
16/30E-26A02D1	82-08-10	--	13	--	5
	83-05-19	--	56	--	2
16/30E-35Q01	57-04-12	<10	--	--	--
	57-04-24	46	--	--	--
16/31E-14K01	82-09-09	--	16	--	3
	83-05-24	--	11	--	5
16/31E-33P01	82-09-08	--	24	--	3
	83-03-15	--	34	--	4
16/32E-11D01D1	82-08-09	--	<3	--	<1
	83-05-19	--	30	--	<10
16/32E-14D01	83-05-27	--	<3	--	2
16/32E-18G01D2	83-05-26	--	34	--	<1
16/33E-17R02	82-08-09	--	<3	--	<1
	83-03-17	--	5	--	1
16/34E-13P02	82-08-09	--	<3	--	1
	83-05-24	--	7	--	<1
16/35E-31R01	82-08-07	--	<3	--	<1
	83-05-24	--	9	--	<1
16/35E-32N01D1	83-05-27	--	13	--	<1
16/36E-06H02	82-08-05	--	<3	--	3
	83-05-25	--	12	--	<1
16/36E-11H01D1	82-08-05	--	<3	--	6
	83-05-25	--	13	--	<1

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				ADAMS						
16/38E-04B01D1	46 54 52	118 02 24	01	122WNPM	82-08-06	300	1630.00	790	7.6	14.9
17/31E-03B01	46 59 44	118 54 21	01	122CRRV	83-05-24	1360	1418.00	301	8.3	23.6
17/31E-07E01	46 58 40	118 59 48	01	122WNPM	82-08-11	126	1260.00	976	7.6	14.8
				122WNPM	83-03-17	126	1260.00	625	7.7	14.6
17/31E-08B01	46 58 18	118 56 34	01	--	53-12-00	155	1249.00	293	7.0	--
				--	60-10-19	155	1249.00	217	8.2	14.0
				--	61-05-03	155	--	258	8.1	14.0
17/31E-11D01	46 58 14	118 52 41	01	122WNPM	83-05-20	1130	1215.00	372	8.1	18.5
17/31E-12D01	46 59 00	118 52 26	01	122GDRD	82-08-10	1953	1260.00	295	8.2	27.3
				122GDRD	83-05-24	1953	1260.00	293	8.3	27.9
17/31E-30C01	46 56 16	118 58 18	01	--	58-03-12	337	--	410	8.0	12.0
17/32E-06B01	46 59 59	118 50 34	01	--	58-03-12	588	--	385	8.0	14.0
17/33E-06D03	46 59 47	118 43 33	01	122CRRV	83-05-25	1200	1830.00	273	8.0	26.6
17/33E-12F01	46 58 50	118 36 46	01	--	71-09-28	567	--	295	8.3	19.6
17/33E-12F02	46 58 53	118 36 51	01	122GDRD	82-08-10	1020	1540.00	300	7.8	19.2
				122GDRD	83-03-17	1020	1540.00	295	8.2	19.1
17/34E-23F01	46 57 05	118 30 12	01	122WNPM	82-08-10	165	1505.00	780	7.7	14.7
				122WNPM	83-05-24	165	1505.00	1020	7.8	13.8
17/35E-11H01D2	46 58 52	118 21 54	01	122WNPM	82-08-06	349	1645.00	350	7.7	15.3
				122WNPM	83-05-25	349	1645.00	243	7.7	14.6
17/37E-21G01	46 57 12	118 09 26	01	122CRRV	82-08-05	755	1620.00	257	8.6	19.6
17/38E-02K01	46 59 33	117 59 22	01	122WNPM	82-08-04	140	1635.00	418	7.3	12.2
				122WNPM	83-05-24	140	1620.00	565	7.3	11.9
18/31E-07E01D1	47 03 56	118 58 44	01	122CRRV	82-08-12	1167	1355.00	372	8.3	21.6
				122CRRV	83-05-19	1167	1355.00	348	8.4	20.5
18/31E-13E01	47 03 01	118 52 25	01	122CRRV	83-05-24	982	1385.00	362	8.2	19.4
18/31E-23A01	47 02 29	118 53 44	01	--	58-03-12	680	1436.00	376	8.1	15.5
18/31E-32R01	47 00 01	118 55 24	01	122CRRV	82-08-11	1260	1340.00	330	7.9	21.1
				122CRRV	83-05-19	1260	1340.00	360	8.0	19.6
18/31E-33D01	47 00 46	118 56 16	01	122GDRD	83-05-19	2400	1420.00	400	9.3	36.6
18/32E-16C02	47 03 24	118 48 08	01	122WNPM	82-08-10	280	1420.00	303	8.3	18.6
				122WNPM	83-03-17	280	1420.00	341	8.3	17.7
18/33E-12C02	47 04 22	118 36 48	01	122WNPM	82-08-11	500	1820.00	325	8.0	17.7
				122WNPM	83-03-17	500	1820.00	321	8.0	17.3
18/35E-04B01	47 05 15	118 25 04	01	122WNPM	82-08-09	180	1745.00	231	8.0	14.1
				122WNPM	83-05-19	180	1745.00	271	7.9	12.9
18/35E-11K01	47 03 59	118 22 27	01	122CRRV	82-08-09	747	1840.00	320	8.2	18.7
				122CRRV	83-05-20	747	1840.00	305	8.2	18.7
18/35E-12D01	47 03 36	118 20 58	01	122WNPM	83-05-25	256	1789.00	790	7.8	14.2
18/37E-08J01	47 04 02	118 10 29	01	121CRRV	71-10-05	527	--	411	7.6	14.6

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				ADAMS						
16/38E-04B01D1	82-08-06	--	344	96	75	38	34	18	.8	3.6
17/31E-03R01	83-05-24	--	35	0	9.2	3.0	52	72	3.9	7.4
17/31E-07E01	82-08-11	--	388	128	76	48	48	21	1.1	3.4
	83-03-17	<1	241	9	47	30	43	27	1.2	5.3
17/31E-08R01	53-12-00	--	117	5	22	15	21	27	.9	3.9
	60-10-19	--	92	0	12	15	11	20	.5	1.0
	61-05-03	--	110	0	16	17	13	20	.5	1.3
17/31E-11Q01	83-05-20	--	87	0	22	7.7	43	49	2.1	8.8
17/31E-12D01	82-08-10	--	39	0	11	2.9	45	67	3.2	7.5
	83-05-24	--	39	0	11	2.9	50	69	3.6	7.8
17/31E-30C01	58-03-12	--	78	0	18	8.0	46	50	2.3	17
17/32E-06R01	58-03-12	--	89	0	16	12	41	46	1.9	12
17/33E-06D03	83-05-25	--	44	0	12	3.3	41	63	2.8	7.4
17/33E-12F01	71-09-28	--	29	0	8.6	1.9	56	76	4.7	7.7
17/33E-12F02	82-08-10	--	32	0	9.0	2.2	52	73	4.2	7.5
	83-03-17	<1	34	0	9.5	2.4	55	73	4.3	7.5
17/34E-23F01	82-08-10	--	317	164	74	32	32	18	.8	6.9
	83-05-24	<1	423	221	95	45	62	24	1.4	7.3
17/35E-11H01D2	82-08-06	--	143	0	31	16	15	18	.6	3.4
	83-05-25	--	100	0	22	11	13	21	.6	3.2
17/37E-21G01	82-08-05	--	37	0	9.5	3.3	42	66	3.1	7.0
17/38E-02K01	82-08-04	--	175	44	42	17	16	16	.5	2.2
	83-05-24	<1	230	95	54	23	21	16	.6	2.4
18/31E-07E01D1	82-08-12	--	21	0	5.8	1.6	69	82	6.8	8.7
	83-05-19	--	23	0	6.1	1.8	67	81	6.3	8.2
18/31E-13E01	83-05-24	--	56	0	12	6.4	55	64	3.3	8.4
18/31E-23A01	58-03-12	--	62	0	13	7.2	55	64	3.1	5.0
18/31E-32R01	82-08-11	--	68	0	16	6.9	43	54	2.3	9.1
	83-05-19	--	79	0	18	8.3	43	50	2.2	9.9
18/31E-33D01	83-05-19	--	5	0	1.8	.1	89	93	18	7.1
18/32E-16C02	82-08-10	--	26	0	6.9	2.1	53	75	4.7	9.5
	83-03-17	<1	52	0	13	4.8	48	60	3.0	14
18/33E-12C02	82-08-11	--	94	0	21	10	27	36	1.3	9.1
	83-03-17	<1	105	0	24	11	25	32	1.1	7.8
18/35E-04R01	82-08-09	--	87	2	24	6.6	12	22	.6	2.5
	83-05-19	<1	108	22	31	7.4	9.1	15	.4	2.0
18/35E-11K01	82-08-09	--	81	0	17	9.3	36	47	1.8	5.7
	83-05-20	<1	70	0	14	8.4	38	52	2.0	5.6
18/35E-12D01	83-05-25	--	348	141	85	33	25	13	.6	4.3
18/37E-08J01	71-10-05	--	151	0	34	16	29	29	1.1	4.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				ADAMS						
16/38E-04B01D1	82-08-06	--	294	--	.0	--	248	80	55	.3
17/31E-03B01	83-05-24	--	180	--	.0	--	136	12	6.8	1.6
17/31E-07E01	82-08-11	--	318	--	.0	--	260	50	61	.4
	83-03-17	--	288	--	.0	--	232	53	12	.4
17/31E-08R01	53-12-00	137	--	--	--	112	--	29	9.2	.6
	60-10-19	121	--	0	--	99	--	13	1.0	.3
	61-05-03	148	--	0	--	121	--	14	2.2	.4
17/31E-11Q01	83-05-20	--	176	--	.0	--	134	30	11	1.1
17/31E-12D01	82-08-10	--	155	--	.0	--	127	9.0	12	1.5
	83-05-24	--	174	--	.0	--	137	9.2	6.5	1.5
17/31E-30C01	58-03-12	142	--	0	--	116	--	62	12	.6
17/32E-06R01	58-03-12	158	--	0	--	138	--	44	8.0	.5
17/33E-06D03	83-05-25	--	162	--	.0	--	130	5.9	5.6	1.7
17/33E-12F01	71-09-28	170	--	0	--	139	--	5.0	8.1	2.1
17/33E-12F02	82-08-10	--	160	--	.0	--	134	7.0	10	1.9
	83-03-17	--	163	--	.0	--	134	7.7	10	.5
17/34E-23F01	82-08-10	--	176	--	.0	--	153	110	79	.3
	83-05-24	--	252	--	.0	--	202	180	110	.3
17/35E-11H01D2	82-08-06	--	190	--	.0	--	157	11	7.0	.3
	83-05-25	--	150	--	.0	--	120	5.3	3.4	.4
17/37E-21G01	82-08-05	--	144	--	.0	--	121	10	3.5	.8
17/38E-02K01	82-08-04	--	152	--	.0	--	131	20	17	.2
	83-05-24	--	182	--	.0	--	135	28	32	.2
18/31E-07E01D1	82-08-12	--	206	--	.0	--	141	29	10	1.5
	83-05-19	--	168	--	2.0	--	129	32	8.7	1.5
18/31E-13E01	83-05-24	--	176	--	.0	--	150	21	12	1.6
18/31E-23A01	58-03-12	177	--	0	--	145	--	25	12	1.6
18/31E-32R01	82-08-11	--	171	--	.0	--	141	19	9.1	1.3
	83-05-19	--	178	--	.0	--	145	28	12	1.0
18/31E-33D01	83-05-19	--	127	--	44	--	171	12	13	4.1
18/32E-16C02	82-08-10	--	164	--	.0	--	98	13	6.9	1.3
	83-03-17	--	166	--	.0	--	137	25	10	.6
18/33E-12C02	82-08-11	--	148	--	.0	--	124	22	6.1	.5
	83-03-17	--	145	--	.0	--	123	25	7.6	.5
18/35E-04B01	82-08-09	--	100	--	.0	--	85	12	9.4	.3
	83-05-19	--	107	--	.0	--	86	16	12	.1
18/35E-11K01	82-08-09	--	164	--	.0	--	132	12	8.5	1.2
	83-05-20	--	164	--	.0	--	131	9.2	7.3	1.4
18/35E-12D01	83-05-25	--	268	--	.0	--	207	40	30	.5
18/37E-08J01	71-10-05	229	--	0	--	188	--	14	8.9	.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			ADAMS				
16/38E-04R01D1	82-08-06	44	--	475	--	--	6.1
17/31E-03R01	83-05-24	63	--	244	--	--	<.10
17/31E-07E01	82-08-11	43	--	487	--	--	22
	83-03-17	47	--	379	--	--	8.8
17/31E-08R01	53-12-00	--	228	--	.50	--	--
	60-10-19	39	146	152	.60	--	--
	61-05-03	41	180	178	1.3	--	--
17/31E-11Q01	83-05-20	59	--	269	--	--	2.4
17/31E-12D01	82-08-10	67	--	232	--	--	.18
	83-05-24	70	--	245	--	--	<.10
17/31E-30C01	58-03-12	34	269	267	.10	--	--
17/32E-06R01	58-03-12	33	247	249	.00	--	--
17/33E-06D03	83-05-25	65	--	222	--	--	.15
17/33E-12F01	71-09-28	77	260	250	--	.02	--
17/33E-12F02	82-08-10	66	--	234	--	--	.22
	83-03-17	68	--	241	--	--	.35
17/34E-23F01	82-08-10	46	--	467	--	--	8.1
	83-05-24	45	--	669	--	--	14
17/35E-11H01D2	82-08-06	46	--	223	--	--	1.6
	83-05-25	47	--	179	--	--	1.1
17/37E-21G01	82-08-05	60	--	207	--	--	.30
17/38E-02K01	82-08-04	40	--	229	--	--	10
	83-05-24	39	--	289	--	--	14
18/31E-07E01D1	82-08-12	65	--	292	--	--	<.10
	83-05-19	64	--	273	--	--	<.10
18/31E-13E01	83-05-24	57	--	260	--	--	.11
18/31E-23A01	58-03-12	30	249	236	.30	--	--
18/31E-32R01	82-08-11	62	--	251	--	--	<.10
	83-05-19	55	--	263	--	--	.19
18/31E-33D01	83-05-19	110	--	367	--	--	<.10
18/32E-16C02	82-08-10	62	--	235	--	--	<.10
	83-03-17	49	--	246	--	--	<.10
18/33E-12C02	82-08-11	47	--	216	--	--	3.2
	83-03-17	46	--	218	--	--	3.9
18/35E-04B01	82-08-09	33	--	149	--	--	2.2
	83-05-19	30	--	160	--	--	4.9
18/35E-11K01	82-08-09	55	--	225	--	--	3.7
	83-05-20	55	--	220	--	--	2.0
18/35E-12Q01	83-05-25	37	--	387	--	--	30
18/37E-08J01	71-10-05	46	286	266	--	2.8	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	ADAMS				
16/38E-04R01D1	82-08-06	--	4	--	2
17/31E-03R01	83-05-24	--	11	--	<1
17/31E-07E01	82-08-11	--	<3	--	<1
	83-03-17	--	<3	--	2
17/31E-08R01	53-12-00	--	--	--	--
	60-10-19	10	--	--	--
	61-05-03	10	--	--	--
17/31E-11Q01	83-05-20	--	<3	--	2
17/31E-12D01	82-08-10	--	<3	--	<1
	83-05-24	--	5	--	<1
17/31E-30C01	58-03-12	110	--	--	--
17/32E-06R01	58-03-12	80	--	--	--
17/33E-06D03	83-05-25	--	19	--	4
17/33E-12F01	71-09-28	80	--	<20	--
17/33E-12F02	82-08-10	--	<3	--	2
	83-03-17	--	<3	--	<1
17/34E-23F01	82-08-10	--	<3	--	<1
	83-05-24	--	8	--	<1
17/35E-11H01D2	82-08-06	--	<3	--	<1
	83-05-25	--	7	--	1
17/37E-21G01	82-08-05	--	<3	--	1
17/38E-02K01	82-08-04	--	5	--	4
	83-05-24	--	16	--	<1
18/31E-07E01D1	82-08-12	--	<3	--	4
	83-05-19	--	<3	--	3
18/31E-13E01	83-05-24	--	<3	--	6
18/31E-23A01	58-03-12	110	--	--	--
18/31E-32R01	82-08-11	--	7	--	5
	83-05-19	--	3	--	4
18/31E-33D01	83-05-19	--	62	--	<1
18/32E-16C02	82-08-10	--	<3	--	<1
	83-03-17	--	5	--	1
18/33E-12C02	82-08-11	--	<3	--	2
	83-03-17	--	5	--	3
18/35E-04R01	82-08-09	--	<3	--	<1
	83-05-19	--	<3	--	1
18/35E-11K01	82-08-09	--	<3	--	<1
	83-05-20	--	<3	--	1
18/35E-12Q01	83-05-25	--	15	--	2
18/37E-08J01	71-10-05	60	--	<20	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				ADAMS						
18/37E-09C02	47 04 23	118 09 56	01	122WNPM	82-09-09	294	1755.00	335	7.9	14.9
18/38E-29D01	47 01 47	118 03 46	01	122WNPM	82-08-10	125	1655.00	213	7.7	13.4
19/31E-14H02	47 08 27	118 52 29	01	122CRRV	82-08-14	630	1430.00	750	7.9	18.0
19/31E-24H01	47 07 22	118 51 21	01	122CRRV	83-05-19	1065	1473.00	470	8.9	19.4
19/31E-26D01	47 06 53	118 53 30	01	--	58-03-12	365	--	409	7.8	12.0
19/31E-27G01D1	47 06 30	118 54 16	01	122CRRV	83-05-23	1410	1475.00	361	8.6	25.9
19/32E-04H02	47 10 06	118 47 23	01	122CRRV	83-05-24	710	1620.00	360	8.1	17.2
19/32E-16M01	47 08 05	118 48 29	01	--	60-10-19	101	1394.00	350	8.0	12.0
19/32E-24K01	47 07 10	118 44 10	01	121CRRV	70-10-03	807	--	317	8.5	18.8
19/32E-24N01	47 06 57	118 44 36	01	122GDRD	83-05-26	2245	1700.00	398	9.3	30.1
19/33E-07R01	47 08 44	118 42 27	01	122GDRD	83-05-25	1725	1790.00	310	8.8	24.3
19/33E-08Q02	47 08 49	118 41 30	01	122GDRD	82-08-13	2434	1840.00	320	8.9	31.6
				122GDRD	83-05-25	2434	1840.00	312	9.0	31.3
19/33E-30C01	47 06 56	118 43 09	01	--	70-10-03	433	--	266	8.1	16.4
19/34E-20R02	47 07 54	118 33 51	01	122CRRV	82-08-11	1120	1855.00	295	8.9	21.9
				122CRRV	83-05-19	1120	1855.00	295	9.0	21.0
19/35E-23E01	47 07 45	118 22 55	01	121CRRV	59-10-22	457	--	694	8.2	--
19/36E-05R01	47 10 28	118 18 19	01	122WNPM	82-08-09	155	1850.00	804	7.4	12.6
				122WNPM	83-05-20	155	1850.00	795	7.3	11.6
19/36E-20H01D1	47 07 46	118 18 18	02	122CRRV	82-08-09	1027	1864.00	273	8.4	26.3
				122CRRV	83-05-20	1027	1864.00	271	8.3	20.3
19/36E-21C01D1	47 07 46	118 17 26	02	122CRRV	83-05-26	1281	1830.00	291	8.3	22.5
20/31E-07H02	47 14 18	118 57 32	02	122CRRV	83-05-19	800	1585.00	488	8.0	18.9
20/31E-22N01	47 12 08	118 52 43	01	--	58-03-12	432	--	438	7.9	12.0
20/31E-31A03	47 11 12	118 57 47	01	122CRRV	82-08-11	620	1440.00	347	8.3	18.3
				122CRRV	83-03-18	620	1440.00	326	8.1	15.9
20/31E-31R01	47 10 11	118 57 56	01	--	60-10-19	400	1435.00	602	7.8	15.5
				--	61-05-03	400	--	497	8.0	13.5
20/32E-15D02	47 13 48	118 47 18	01	122WNPM	82-08-13	220	1595.00	353	8.2	14.4
				122WNPM	83-03-18	220	1595.00	368	8.0	11.9
20/32E-15L01D2	47 13 20	118 47 11	01	122CRRV	83-05-26	1040	1710.80	320	8.4	20.7
20/32E-32R01	47 11 17	118 49 13	01	--	59-12-01	502	1744.00	287	8.0	18.0
				--	60-10-16	502	--	281	7.9	--
				--	62-06-15	502	--	273	7.9	--
				--	62-10-30	502	--	279	7.8	17.8
				--	63-04-02	502	--	269	7.8	17.8
				--	63-06-04	502	--	267	7.9	--
				--	63-07-03	502	--	274	7.9	--
				--	63-08-27	502	--	284	7.8	--
				--	63-09-13	502	--	285	8.1	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				ADAMS						
18/37E-09C02	82-09-09	--	147	5	34	15	15	18	.6	2.1
18/38E-29D01	82-08-10	--	97	4	24	8.9	8.9	16	.4	2.4
19/31E-14H02	82-08-14	--	244	135	58	24	50	30	1.4	9.1
19/31E-24H01	83-05-19	--	42	0	10	4.1	84	78	5.8	7.5
19/31E-26D01	58-03-12	--	130	5	40	7.3	30	32	1.2	5.9
19/31E-27G01D1	83-05-23	--	12	0	3.9	.5	76	88	10	8.0
19/32E-04H02	83-05-24	--	106	0	26	10	32	38	1.4	6.5
19/32E-16M01	60-10-19	--	100	0	22	11	33	39	1.5	8.3
19/32E-24K01	70-10-03	--	38	0	9.5	3.5	52	70	3.8	9.0
19/32E-24N01	83-05-26	--	3	0	1.0	.1	89	95	25	6.6
19/33E-07R01	83-05-25	--	18	0	4.4	1.7	62	83	6.6	8.0
19/33E-08D02	82-08-13	--	4	0	1.7	.0	69	92	15	7.2
	83-05-25	--	7	0	2.1	.5	67	90	11	6.9
19/33E-30C01	70-10-03	--	86	0	18	10	21	33	1.0	5.8
19/34E-20R02	82-08-11	--	15	0	4.0	1.1	60	84	7.1	7.6
	83-05-19	--	18	0	4.6	1.5	58	82	6.2	7.2
19/35E-23E01	59-10-22	--	306	111	63	36	23	--	.6	--
19/36E-05R01	82-08-09	--	261	26	63	25	69	36	1.9	3.5
	83-05-20	<1	268	30	61	28	64	34	1.8	4.0
19/36E-20H01D1	82-08-09	--	29	0	7.3	2.6	50	74	4.2	6.7
	83-05-20	--	29	0	7.3	2.7	50	74	4.1	6.5
19/36E-21C01D1	83-05-26	--	35	0	8.1	3.6	51	72	3.9	6.2
20/31E-07H02	83-05-19	--	134	0	29	15	44	40	1.7	8.6
20/31E-22N01	58-03-12	--	94	0	18	12	51	50	2.3	14
20/31E-31A03	82-08-11	--	79	0	20	7.1	38	48	1.9	9.3
	83-03-18	<1	104	0	25	10	27	34	1.2	8.5
20/31E-31B01	60-10-19	--	207	87	50	20	34	25	1.1	9.6
	61-05-03	--	153	29	38	14	37	33	1.3	10
20/32E-15D02	82-08-13	--	142	24	37	12	19	22	.7	3.8
	83-03-18	<1	153	28	40	13	19	21	.7	3.7
20/32E-15L01D2	83-05-26	--	39	0	9.6	3.6	54	71	3.9	7.0
20/32E-32B01	59-12-01	--	61	0	15	5.8	36	53	2.1	6.4
	60-10-16	--	90	0	22	8.5	25	36	1.2	5.0
	62-06-15	--	88	0	22	8.0	23	35	1.1	5.2
	62-10-30	--	88	0	22	8.0	23	35	1.1	5.2
	63-04-02	--	89	0	22	8.2	23	35	1.1	4.6
	63-06-04	--	87	0	21	8.3	22	34	1.1	5.1
	63-07-03	--	87	0	20	9.1	24	36	1.2	5.4
	63-08-27	--	90	0	22	8.4	25	36	1.2	5.1
	63-09-13	--	89	0	22	8.2	26	37	1.2	5.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				ADAMS						
18/37E-09C02	82-09-09	--	179	--	.0	--	142	10	7.8	.2
18/38E-29D01	82-08-10	--	116	--	.0	--	93	8.0	3.5	.2
19/31E-14H02	82-08-14	--	148	--	.0	--	109	110	79	.5
19/31E-24H01	83-05-19	--	154	--	13	--	144	45	25	2.1
19/31E-26D01	58-03-12	152	--	0	--	125	--	46	20	.5
19/31E-27G01D1	83-05-23	--	166	--	8.0	--	147	21	13	1.9
19/32E-04H02	83-05-24	--	159	--	.0	--	135	31	14	.6
19/32E-16M01	60-10-19	176	--	0	--	144	--	25	9.0	.7
19/32E-24K01	70-10-03	157	--	5	--	137	--	14	6.6	.9
19/32E-24N01	83-05-26	--	107	--	56	--	177	5.1	11	4.6
19/33E-07R01	83-05-25	--	162	--	10	--	144	7.8	6.8	2.6
19/33E-08R02	82-08-13	--	130	--	26	--	145	<5.0	6.1	3.1
	83-05-25	--	152	--	15	--	149	2.2	6.1	3.2
19/33E-30C01	70-10-03	151	--	0	--	124	--	8.6	3.2	.5
19/34E-20B02	82-08-11	--	140	--	16	--	136	<5.0	5.2	2.4
	83-05-19	--	133	--	25	--	139	5.5	5.0	2.0
19/35E-23E01	59-10-22	238	--	0	--	195	--	42	56	.2
19/36E-05B01	82-08-09	--	285	--	.0	--	235	70	49	.3
	83-05-20	--	297	--	.0	--	238	74	52	.3
19/36E-20H01D1	82-08-09	--	156	--	.0	--	130	10	3.6	1.2
	83-05-20	--	160	--	.0	--	128	12	3.4	1.2
19/36F-21C01D1	83-05-26	--	172	--	.0	--	134	11	4.7	1.2
20/31E-07H02	83-05-19	--	176	--	.0	--	134	49	33	.6
20/31E-22N01	58-03-12	208	--	0	--	171	--	37	10	.5
20/31E-31A03	82-08-11	--	145	--	.0	--	115	35	13	.6
	83-03-18	--	151	--	.0	--	130	31	11	.5
20/31E-31B01	60-10-19	146	--	0	--	120	--	80	48	.7
	61-05-03	151	--	0	--	124	--	65	32	.6
20/32E-15D02	82-08-13	--	153	--	.0	--	118	31	17	.4
	83-03-18	--	149	--	.0	--	125	35	22	.4
20/32E-15L01D2	83-05-26	--	160	--	.0	--	128	18	12	2.3
20/32E-32B01	59-12-01	156	--	0	--	128	--	13	5.5	.9
	60-10-16	149	--	0	--	122	--	11	7.8	.5
	62-06-15	148	--	0	--	121	--	12	4.2	.6
	62-10-30	150	--	0	--	123	--	11	5.5	.4
	63-04-02	148	--	0	--	121	--	11	5.2	.4
	63-06-04	148	--	0	--	121	--	10	4.5	.3
	63-07-03	151	--	0	--	124	--	11	5.2	.4
	63-08-27	147	--	0	--	121	--	11	7.5	.5
	63-09-13	150	--	0	--	123	--	12	8.2	.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			ADAMS				
18/37E-09C02	82-09-09	46	--	218	--	--	2.6
18/38E-29D01	82-08-10	45	--	158	--	--	2.9
19/31E-14H02	82-08-14	47	--	451	--	--	3.1
19/31E-24H01	83-05-19	63	--	338	--	--	.28
19/31E-26D01	58-03-12	48	268	272	2.2	--	--
19/31E-27G01D1	83-05-23	73	--	291	--	--	<.10
19/32E-04H02	83-05-24	46	--	244	--	--	.41
19/32E-16M01	60-10-19	40	223	236	.20	--	--
19/32E-24K01	70-10-03	53	237	236	.00	--	--
19/32E-24N01	83-05-26	110	--	365	--	--	<.10
19/33E-07R01	83-05-25	66	--	254	--	--	<.10
19/33E-08Q02	82-08-13	82	--	--	--	--	<.10
	83-05-25	80	--	267	--	--	<.10
19/33E-30C01	70-10-03	44	190	185	.90	--	--
19/34E-20B02	82-08-11	73	--	--	--	--	<.10
	83-05-19	67	--	255	--	--	<.10
19/35E-23E01	59-10-22	43	455	433	47	--	--
19/36E-05R01	82-08-09	39	--	459	--	--	10
	83-05-20	39	--	448	--	--	7.4
19/36E-20H01D1	82-08-09	59	--	217	--	--	<.10
	83-05-20	58	--	220	--	--	<.10
19/36E-21C01D1	83-05-26	59	--	229	--	--	<.10
20/31E-07H02	83-05-19	54	--	320	--	--	2.4
20/31E-22N01	58-03-12	31	274	276	.30	--	--
20/31E-31A03	82-08-11	46	--	240	--	--	.17
	83-03-18	43	--	230	--	--	.34
20/31E-31B01	60-10-19	42	390	356	15	--	--
	61-05-03	46	337	317	5.9	--	--
20/32E-15D02	82-08-13	45	--	241	--	--	.46
	83-03-18	45	--	251	--	--	.52
20/32E-15L01D2	83-05-26	55	--	240	--	--	.20
20/32E-32B01	59-12-01	55	214	214	.80	--	--
	60-10-16	50	205	203	1.5	--	--
	62-06-15	50	198	198	1.9	--	--
	62-10-30	51	202	200	1.9	--	--
	63-04-02	50	196	197	2.2	--	--
	63-06-04	45	190	189	1.5	--	--
	63-07-03	49	198	198	1.8	--	--
	63-08-27	51	209	203	2.1	--	--
	63-09-13	52	206	208	1.8	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	ADAMS				
18/37E-09C02	82-09-09	--	3	--	2
18/38E-29D01	82-08-10	--	<3	--	<1
19/31E-14H02	82-08-14	--	20	--	5
19/31E-24H01	83-05-19	--	25	--	4
19/31E-26D01	58-03-12	350	--	--	--
19/31E-27G01D1	83-05-23	--	5	--	2
19/32E-04H02	83-05-24	--	31	--	9
19/32E-16M01	60-10-19	10	--	--	--
19/32E-24K01	70-10-03	40	--	<20	--
19/32E-24N01	83-05-26	--	65	--	1
19/33E-07P01	83-05-25	--	17	--	1
19/33E-08D02	82-08-13	--	11	--	8
	83-05-25	--	17	--	1
19/33E-30C01	70-10-03	330	--	<20	--
19/34E-20P02	82-08-11	--	11	--	3
	83-05-19	--	12	--	<1
19/35E-23E01	59-10-22	10	--	--	--
19/36E-05R01	82-08-09	--	<3	--	<1
	83-05-20	--	17	--	1
19/36E-20Q01D1	82-08-09	--	<3	--	5
	83-05-20	--	6	--	1
19/36E-21C01D1	83-05-26	--	17	--	3
20/31E-07H02	83-05-19	--	<3	--	<1
20/31E-22N01	58-03-12	2400	--	--	--
20/31E-31A03	82-09-11	--	3	--	1
	83-03-18	--	6	--	<1
20/31E-31R01	60-10-19	50	--	--	--
	61-05-03	<10	--	--	--
20/32E-15D02	82-08-13	--	<3	--	4
	83-03-18	--	22	--	8
20/32E-15L01D2	83-05-26	--	<3	--	1
20/32E-32R01	59-12-01	570	--	--	--
	60-10-16	50	--	--	--
	62-06-15	60	--	--	--
	62-10-30	50	--	--	--
	63-04-02	120	--	--	--
	63-06-04	30	--	--	--
	63-07-03	100	--	--	--
	63-08-27	90	--	--	--
	63-09-13	30	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				ADAMS						
20/32E-32B01	47 11 17	118 49 13	01	--	65-03-17	502	--	273	7.8	--
20/32E-32B02	47 11 18	118 49 12	01	--	62-06-15	510	--	272	8.1	--
				--	62-07-12	510	--	274	8.1	--
				--	62-08-14	510	--	271	8.0	--
				--	62-09-02	510	--	274	7.9	--
20/34E-13B01	47 13 14	118 29 18	01	122WNPM	82-08-10	340	1930.00	598	8.0	15.4
				122WNPM	83-05-24	340	1930.00	612	8.0	14.1
20/34E-22D01	47 13 09	118 31 56	01	121CRRV	70-10-03	95	--	608	7.8	11.5
20/35E-27A01	47 12 19	118 23 09	01	122CRPV	82-09-09	1260	2000.00	285	8.4	21.1
				122CRPV	83-05-24	1260	2000.00	291	8.2	21.3
20/35E-34M02	47 10 58	118 24 22	01	122WNPM	83-05-25	320	1880.00	421	7.6	12.3
20/37E-32D01	47 11 26	118 11 30	01	122WNPM	82-08-09	180	2000.00	308	7.9	13.8
				122WNPM	83-05-24	180	2000.00	512	7.8	13.1

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				ADAMS						
20/32E-32R01	65-03-17	--	87	0	21	8.4	23	35	1.1	5.1
20/32E-32R02	62-06-15	--	88	0	22	8.0	23	35	1.1	5.1
	62-07-12	--	88	0	22	8.1	23	35	1.1	5.1
	62-08-14	--	88	0	22	8.1	23	35	1.1	5.1
	62-09-02	--	87	0	22	7.8	23	35	1.1	5.1
20/34E-13R01	82-08-10	--	180	9	34	23	51	37	1.7	8.2
	83-05-24	<1	184	11	34	24	51	36	1.7	8.7
20/34E-22D01	70-10-03	--	231	124	53	24	23	17	.7	4.9
20/35E-27A01	82-09-09	--	48	0	11	5.0	45	64	2.9	5.2
	83-05-24	--	45	0	10	4.8	46	66	3.1	5.6
20/35E-34M02	83-05-25	--	179	66	42	18	12	13	.4	1.9
20/37E-32D01	82-08-09	--	145	2	35	14	10	13	.4	1.6
	83-05-24	<1	221	52	54	21	19	16	.6	1.9

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					ADAMS					
20/32E-32R01	65-03-17	148	--	0	--	121	--	11	5.5	.4
20/32E-32R02	62-06-15	149	--	0	--	122	--	11	4.5	.5
	62-07-12	149	--	0	--	122	--	9.6	6.5	.4
	62-08-14	149	--	0	--	122	--	10	5.2	.5
	62-09-02	149	--	0	--	122	--	11	5.2	.4
20/34E-13R01	82-08-10	--	209	--	.0	--	171	34	49	.5
	83-05-24	--	234	--	.0	--	173	24	53	.6
20/34E-22D01	70-10-03	130	--	0	--	107	--	30	42	.2
20/35E-27A01	82-09-09	--	160	--	.0	--	124	8.0	7.1	1.6
	83-05-24	--	184	--	.0	--	132	8.9	7.0	1.9
20/35E-34M02	83-05-25	--	201	--	.0	--	113	28	26	.3
20/37E-32D01	82-08-09	--	182	--	.0	--	143	6.0	5.9	.4
	83-05-24	--	219	--	.0	--	169	13	27	.4

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			ADAMS				
20/32E-32B01	65-03-17	45	196	192	2.0	--	--
20/32E-32B02	62-06-15	50	198	197	1.8	--	--
	62-07-12	50	200	198	2.0	--	--
	62-08-14	50	199	197	2.0	--	--
	62-09-02	50	199	198	2.2	--	--
20/34E-13P01	82-08-10	41	--	344	--	--	6.0
	83-05-24	40	--	350	--	--	5.9
20/34E-22D01	70-10-03	36	393	277	115	--	--
20/35E-27A01	82-09-09	55	--	217	--	--	.30
	83-05-24	56	--	231	--	--	.26
20/35E-34M02	83-05-25	39	--	266	--	--	7.2
20/37E-32D01	82-08-09	47	--	210	--	--	1.9
	83-05-24	45	--	289	--	--	11

Table 2.--Continued

LOCAL IDENT-I-FIER	DATE OF SAMPLE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
	ADAMS				
20/32E-32R01	65-03-17	40	--	<50	--
20/32E-32R02	62-06-15	60	--	--	--
	62-07-12	10	--	--	--
	62-08-14	10	--	--	--
	62-09-02	40	--	--	--
20/34E-13R01	82-08-10	--	<3	--	11
	83-05-24	--	4	--	13
20/34E-22D01	70-10-03	90	--	<20	--
20/35E-27A01	82-09-09	--	29	--	2
	83-05-24	--	17	--	1
20/35E-34M02	83-05-25	--	15	--	<1
20/37E-32D01	82-08-09	--	<3	--	2
	83-05-24	--	29	--	<1

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				DOUGLAS						
21/22E-12G01D1	47 19 46	120 00 49	01	122GDRD	82-07-28	767	835.00	343	9.0	20.2
22/21E-26R01	47 22 28	120 09 48	01	112GLCV	79-07-25	82	670.00	420	7.3	15.0
23/20E-10R01	47 29 38	120 18 08	01	112GLCV	79-07-12	--	--	500	7.6	13.8
23/20E-34P01	47 26 16	120 18 13	01	110ALVM	59-10-20	60	645.00	377	7.6	14.5
				110ALVM	60-05-18	60	645.00	444	7.5	14.5
23/20E-35N01	47 26 09	120 18 00	01	110ALVM	79-07-12	--	--	550	7.5	14.7
23/24E-09E01	47 30 15	119 49 41	01	122GDRD	82-07-28	625	2160.00	245	8.2	16.8
				122GDRD	83-06-07	625	2160.00	221	8.2	18.6
23/24E-31E02	47 26 49	119 52 24	01	--	70-11-09	182	--	369	7.7	14.8
23/24E-36C01S	47 27 00	119 45 26	01	121CRRV	78-05-23	--	1475.00	326	--	9.1
23/25E-31M02	47 26 42	119 44 30	01	--	78-07-06	500	1605.00	485	7.5	--
24/20E-35J01	47 32 40	120 15 40	01	112GLCV	71-10-20	260	660.00	680	7.8	16.4
24/21E-13A03	47 34 33	120 08 07	01	122GDRD	82-07-29	475	4080.00	220	7.8	--
				122GDRD	83-06-07	475	4080.00	220	8.0	11.3
24/25E-18E01	47 34 49	119 44 44	01	122CRRV	82-07-28	515	2475.00	490	7.5	14.7
				122CRRV	83-06-07	515	2475.00	705	7.2	13.6
24/25E-32C01	47 32 12	119 43 07	01	--	71-10-08	191	1556.00	392	8.2	15.6
24/26E-06H01	47 36 30	119 35 52	01	122WNPM	82-07-27	205	2400.00	385	7.5	13.5
				122WNPM	83-06-07	205	2400.00	388	7.5	12.3
25/21E-16K01	47 39 44	120 12 25	01	112GLCV	79-07-11	--	--	510	7.3	11.8
25/21E-32K02	47 37 35	120 13 18	01	112GLCV	79-07-11	--	--	725	7.3	13.1
25/22E-21H01D1	47 39 04	120 04 23	01	122GDRD	59-10-29	615	2640.00	499	7.7	--
				122GDRD	82-07-29	615	2640.00	560	7.3	14.3
25/25E-20Q01	47 38 42	119 42 55	01	122GDRD	82-07-28	640	2255.00	260	7.3	17.1
26/21E-11H02	47 46 00	120 09 28	01	112GLCV	79-07-11	--	--	255	7.7	12.2
26/21E-21N02	47 43 48	120 12 48	01	112GLCV	71-05-25	159	801.00	399	8.2	13.7
				112GLCV	79-07-11	159	801.00	520	7.6	14.0
26/22E-25N01	47 42 59	120 01 32	01	122GDRD	82-07-29	325	2855.00	225	7.0	11.9
				122GDRD	83-06-07	325	2855.00	215	7.3	11.6
26/27E-17P01	47 44 36	119 25 52	01	--	82-07-28	80	2200.00	1040	7.6	11.6
27/25E-25C01	47 49 01	119 38 08	01	--	71-10-08	265	2245.00	1760	7.4	10.8
27/26E-25D06	47 48 55	119 30 39	06	--	72-06-14	755	--	387	8.5	14.0
				--	72-06-14	755	--	380	8.1	14.7
				--	72-09-26	755	--	372	7.9	16.6
27/27E-13A01	47 50 37	119 21 44	01	--	61-05-02	100	--	879	8.0	11.0
30/25E-28H01	48 04 15	119 41 25	01	--	61-05-02	40	--	252	8.1	11.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				DOUGLAS						
21/22E-12G01D1	82-07-28	--	35	0	9.0	3.1	64	77	4.8	4.2
22/21E-26R01	79-07-25	<1	175	0	52	11	19	19	.6	4.2
23/20E-10R01	79-07-12	<1	190	0	48	17	23	20	.8	4.7
23/20E-34R01	59-10-20	--	168	5	49	11	14	15	.5	3.0
	60-05-18	--	198	16	58	13	16	15	.5	3.1
23/20E-35N01	79-07-12	--	228	0	65	16	23	18	.7	4.1
23/24E-09E01	82-07-28	--	88	0	21	8.5	16	28	.8	2.2
	83-06-07	<1	79	0	19	7.6	15	29	.8	2.0
23/24E-31E02	70-11-09	--	139	0	31	15	21	24	.8	5.2
23/24E-36C01S	78-05-23	--	122	12	29	12	20	26	.8	4.0
23/25E-31M02	78-07-06	--	182	22	43	18	25	23	.8	4.5
24/20E-35J01	71-10-20	--	211	31	61	14	39	28	1.2	9.4
24/21E-13A03	82-07-29	--	93	0	19	11	7.8	15	.4	1.7
	83-06-07	<1	95	0	20	11	7.8	15	.4	1.9
24/25E-18E01	82-07-28	--	186	105	43	19	17	16	.6	2.4
	83-06-07	<1	274	183	62	29	22	15	.6	2.7
24/25E-32C01	71-10-08	--	141	0	35	13	30	30	1.1	6.2
24/26E-06H01	82-07-27	--	174	49	45	15	12	13	.4	3.7
	83-06-07	<1	167	52	42	15	12	13	.4	3.8
25/21E-16K01	79-07-11	--	267	37	82	15	8.5	6	.2	2.3
25/21E-32K02	79-07-11	<1	300	30	79	25	18	11	.5	3.8
25/22E-21H01D1	59-10-29	--	210	43	46	23	23	19	.7	1.9
	82-07-29	--	232	59	50	26	22	17	.6	2.6
25/25E-20Q01	82-07-28	--	87	0	20	8.9	20	32	1.0	3.4
26/21E-11H02	79-07-11	--	110	19	32	7.2	5.7	0	.2	1.9
26/21E-21N02	71-05-25	--	170	49	48	12	12	13	.4	3.6
	79-07-11	--	248	108	76	14	14	11	.4	4.2
26/22E-25N01	82-07-29	--	95	0	25	7.8	7.8	15	.4	1.1
	83-06-07	<1	97	0	25	8.3	8.3	16	.4	1.2
26/27E-17R01	82-07-28	--	456	287	93	54	32	13	.7	6.8
27/25E-25C01	71-10-08	--	879	551	170	110	43	0	.6	8.0
27/26E-25D06	72-06-14	--	154	2	32	18	20	21	.7	4.9
	72-06-14	--	152	1	31	18	20	22	.7	5.0
	72-09-26	--	143	0	31	16	22	24	.8	4.6
27/27E-13A01	61-05-02	--	336	133	72	38	62	28	1.5	12
30/25E-28H01	61-05-02	--	124	14	34	9.5	3.7	6	.1	1.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				DOUGLAS						
21/22E-12G01D1	82-07-29	--	153	--	21	--	150	12	5.1	2.0
22/21E-26R01	79-07-25	220	--	0	--	180	--	20	4.2	.4
23/20E-10R01	79-07-12	256	--	0	--	210	--	44	3.6	.3
23/20E-34R01	59-10-20	199	--	0	--	163	--	14	3.8	.2
	60-05-18	222	--	0	--	182	--	25	5.5	.2
23/20E-35N01	79-07-12	280	--	0	--	230	--	23	14	.3
23/24E-09E01	82-07-28	--	128	--	.0	--	97	16	4.7	.4
	83-06-07	--	119	--	.0	--	95	15	4.3	.3
23/24E-31E02	70-11-09	195	--	0	--	152	--	25	6.3	.3
23/24E-36C01S	78-05-23	140	--	--	--	110	--	31	11	.4
23/25E-31M02	78-07-06	200	--	0	--	160	--	37	20	.5
24/20E-35J01	71-10-20	219	--	0	--	180	--	160	4.5	.5
24/21E-13A03	82-07-29	--	136	--	.0	--	115	<5.0	.8	.2
	83-06-07	--	141	--	.0	--	111	4.1	1.1	.2
24/25E-18E01	82-07-28	--	94	--	.0	--	81	32	42	.3
	83-06-07	--	123	--	.0	--	91	50	74	.3
24/25E-32C01	71-10-08	199	--	0	--	163	--	36	9.6	.2
24/26E-06H01	82-07-27	--	139	--	.0	--	125	34	18	.2
	83-06-07	--	139	--	.0	--	115	34	21	.2
25/21E-16K01	79-07-11	280	--	0	--	230	--	29	3.4	.2
25/21E-32K02	79-07-11	329	--	0	--	270	--	65	2.8	.2
25/22E-21H01D1	59-10-29	204	--	0	--	167	--	35	26	.3
	82-07-29	--	223	--	.0	--	173	49	37	.3
25/25E-20D01	82-07-28	--	144	--	.0	--	116	11	4.5	.6
26/21E-11H02	79-07-11	111	--	0	--	91	--	24	2.2	.2
26/21E-21N02	71-05-25	148	--	0	--	121	--	54	4.4	.2
	79-07-11	171	--	0	--	140	--	120	7.1	.3
26/22E-25N01	82-07-29	--	128	--	.0	--	101	7.0	2.2	.3
	83-06-07	--	127	--	.0	--	103	7.0	2.3	.3
26/27E-17R01	82-07-28	--	215	--	--	--	169	200	85	.3
27/25E-25C01	71-10-08	400	--	0	--	328	--	460	100	.2
27/26E-25D06	72-06-14	151	--	17	--	152	--	26	11	.3
	72-06-14	184	--	0	--	151	--	25	9.1	.3
	72-09-26	177	--	0	--	145	--	25	8.8	.6
27/27E-13A01	61-05-02	247	--	0	--	203	--	219	32	.7
30/25E-28H01	61-05-02	134	--	0	--	110	--	16	3.2	.2

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			DOUGLAS				
21/22E-12G01D1	82-07-28	60	--	265	--	--	.26
22/21E-26B01	79-07-25	24	--	243	--	--	4.4
23/20E-10R01	79-07-12	21	--	287	--	--	2.4
23/20E-34R01	59-10-20	29	235	222	16	--	--
	60-05-18	26	270	256	18	--	--
23/20E-35N01	79-07-12	26	--	309	--	--	4.4
23/24E-09E01	82-07-28	43	--	175	--	--	.19
	83-06-07	43	--	165	--	--	.30
23/24E-31E02	70-11-09	43	232	238	6.2	--	--
23/24E-36C01S	78-05-23	39	222	215	--	4.0	--
23/25E-31M02	78-07-06	46	301	292	--	2.5	--
24/20E-35J01	71-10-20	29	488	426	--	.07	--
24/21E-13A03	82-07-29	47	--	--	--	--	.62
	83-06-07	47	--	162	--	--	.66
24/25E-18E01	82-07-28	48	--	250	--	--	13
	83-06-07	46	--	347	--	--	22
24/25E-32C01	71-10-08	44	268	272	--	1.5	--
24/26E-06H01	82-07-27	34	--	230	--	--	4.6
	83-06-07	32	--	229	--	--	4.2
25/21E-16K01	79-07-11	22	--	300	--	--	2.3
25/21E-32K02	79-07-11	27	--	383	--	--	2.4
25/22E-21H01D1	59-10-29	43	339	299	18	--	--
	82-07-29	37	--	334	--	--	1.8
25/25E-20D01	82-07-28	54	--	193	--	--	1.3
26/21E-11H02	79-07-11	13	--	141	--	--	.86
26/21E-21N02	71-05-25	27	262	234	--	3.7	--
	79-07-11	21	--	341	--	--	3.4
26/22E-25N01	82-07-29	45	--	159	--	--	.25
	83-06-07	45	--	160	--	--	.24
26/27E-17R01	82-07-28	48	--	626	--	--	12
27/25E-25C01	71-10-08	47	1150	1136	--	17	--
27/26E-25D06	72-06-14	45	286	266	--	4.4	--
	72-06-14	47	280	246	--	3.8	--
	72-09-26	57	250	252	--	1.7	--
27/27E-13A01	61-05-02	25	616	582	3.4	--	--
30/25E-28H01	61-05-02	15	152	149	6.3	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	DOUGLAS				
21/22E-12G01D1	82-07-28	--	35	--	4
22/21E-26R01	79-07-25	--	--	--	--
23/20E-10P01	79-07-12	--	<10	--	<1
23/20E-34R01	59-10-20	20	--	--	--
	60-05-18	10	--	--	--
23/20E-35N01	79-07-12	--	<10	--	<1
23/24E-09E01	82-07-28	--	5	--	3
	83-06-07	--	16	--	2
23/24E-31E02	70-11-09	40	--	<20	--
23/24E-36C01S	78-05-23	<10	--	<10	--
23/25E-31M02	78-07-06	180	--	<10	--
24/20E-35J01	71-10-20	990	--	120	--
24/21E-13A03	82-07-29	--	5	--	4
	83-06-07	--	14	--	1
24/25E-18E01	82-07-28	--	<3	--	4
	83-06-07	--	5	--	<3
24/25E-32C01	71-10-08	330	--	<20	--
24/26E-06H01	82-07-27	--	17	--	11
	83-06-07	--	12	--	8
25/21E-16K01	79-07-11	--	<10	--	<1
25/21E-32K02	79-07-11	--	<10	--	<1
25/22E-21H01D1	59-10-29	1600	--	--	--
	82-07-29	--	5	--	32
25/25E-20Q01	82-07-28	--	18	--	6
26/21E-11H02	79-07-11	--	<10	--	<1
26/21E-21N02	71-05-25	10	--	<20	--
	79-07-11	--	<10	--	<1
26/22E-25N01	82-07-29	--	6	--	27
	83-06-07	--	19	--	5
26/27E-17P01	82-07-28	--	4	--	8
27/25E-25C01	71-10-08	50	--	<20	--
27/26E-25D06	72-06-14	1100	--	<20	--
	72-06-14	210	--	<20	--
	72-09-26	100	--	--	--
27/27E-13A01	61-05-02	<10	--	--	--
30/25E-29H01	61-05-02	10	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				FRANKLIN						
09/29E-02G02	46 17 37	119 08 37	01	122SDLM	83-05-18	473	470.00	445	7.9	22.1
09/29E-23J02	46 14 48	119 08 29	01	--	60-10-17	60	385.00	489	7.9	18.0
				--	61-05-04	60	--	428	7.9	18.0
09/29E-23P01	46 14 38	119 09 12	01	--	42-04-28	28	365.00	326	--	15.0
09/29E-23P02	46 14 38	119 09 12	02	--	61-05-04	42	--	461	7.8	16.0
09/30E-02R01	46 17 12	119 00 41	01	122SDLM	82-08-27	211	515.00	575	8.0	17.6
				122SDLM	83-03-08	211	515.00	575	7.8	16.2
09/30E-18H01	46 15 55	119 05 45	01	--	70-08-28	1033	--	506	8.6	21.0
09/30E-20D01	46 15 13	119 05 40	01	--	60-05-23	85	410.00	487	7.9	18.0
				--	60-10-17	85	--	594	7.7	18.5
09/30E-27K01	46 13 55	119 02 29	01	--	60-10-17	121	--	480	7.9	19.0
09/31E-04N01	46 17 05	118 57 00	01	--	42-04-28	343	658.00	480	--	--
				--	60-10-17	343	--	464	8.1	15.0
10/28E-12F01	46 22 08	119 15 09	01	112RGLD	83-03-10	196	495.00	415	7.9	16.6
10/29E-10D01	46 22 19	119 10 23	01	--	53-12-00	618	--	409	7.8	--
10/30E-03Q01	46 22 49	119 02 13	01	122SDLM	82-08-27	230	640.00	690	8.0	17.8
				122SDLM	83-03-11	230	640.00	645	7.7	15.7
10/30E-35R01	46 18 07	119 00 36	04	112GLCV	83-03-10	127	515.00	645	7.8	17.1
10/31E-32L02	46 18 15	118 57 50	01	122SDLM	82-08-30	350	540.00	415	8.0	19.6
				122SDLM	83-03-09	350	540.00	405	7.8	18.4
10/32E-23J01	46 20 00	118 45 59	01	122WNPM	82-08-30	300	550.00	260	8.0	23.0
				122WNPM	83-03-08	300	550.00	250	7.7	22.0
11/28E-36R01	46 23 18	119 14 19	01	122SDLM	82-08-30	746	845.00	435	7.8	24.5
				122SDLM	83-03-09	746	845.00	430	7.9	24.1
11/29E-03A01	46 28 26	119 09 15	01	122SDLM	83-05-23	552	890.00	296	8.1	21.8
11/30E-02P01	46 27 47	119 00 40	01	112GLCV	83-03-10	124	592.00	555	7.8	14.5
11/30E-11C01	46 27 35	119 01 19	01	--	70-12-14	614	--	843	7.7	14.0
11/30E-12D01	46 27 31	119 00 15	01	122YKIM	82-08-30	410	625.00	585	8.2	17.7
				122YKIM	83-03-09	410	625.00	515	8.3	16.4
11/30E-36M01	46 23 36	119 00 24	01	122SDLM	83-05-17	237	720.00	830	7.8	16.3
11/31E-04P01	46 27 37	118 56 25	01	122CRRV	82-08-30	1310	850.00	375	8.2	21.4
				122CRRV	83-05-18	1310	850.00	380	7.8	21.1
11/32E-20A01	46 25 37	118 49 33	01	--	58-03-13	156	--	503	7.7	15.0
12/28E-12H01	46 32 43	119 14 19	01	--	42-04-27	450	616.00	459	--	--
				--	60-10-17	450	--	456	8.2	19.0
12/28E-23H01D1	46 31 00	119 15 35	01	122SDLM	82-08-30	413	390.00	395	8.2	18.5
				122SDLM	83-03-09	413	390.00	378	8.2	18.7
12/28E-24F01S	46 30 50	119 15 05	01	--	58-03-16	--	--	1130	7.9	15.5
12/28E-24N01	46 30 23	119 15 28	01	--	70-09-15	755	--	468	8.7	19.0
12/29E-28F01	46 29 55	119 11 06	01	--	53-01-00	699	--	282	8.0	20.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
					FRANKLIN					
09/29E-02G02	83-05-18	--	23	0	5.2	2.4	90	84	8.4	12
09/29E-23J02	60-10-17	--	189	4	51	15	28	24	.9	6.4
	61-05-04	--	153	20	40	13	26	26	.9	5.7
09/29E-23P01	42-04-28	--	140	0	38	11	16	19	.6	5.1
09/29E-23P02	61-05-04	--	210	28	61	14	14	12	.4	5.6
09/30E-02R01	82-08-27	--	217	50	47	24	31	23	.9	4.8
	83-03-08	<1	218	42	46	25	31	23	.9	4.7
09/30E-18H01	70-08-28	--	7	0	1.9	.5	115	92	20	11
09/30E-20D01	60-05-23	--	175	13	47	14	32	27	1.1	7.0
	60-10-17	--	219	53	58	18	33	24	1.0	8.1
09/30E-27K01	60-10-17	--	163	15	42	14	34	30	1.2	6.7
09/31E-04N01	42-04-28	--	102	0	21	12	61	52	2.7	15
	60-10-17	--	82	0	20	7.9	58	60	2.9	1.8
10/28E-12F01	83-03-10	--	128	0	28	14	34	35	1.3	8.3
10/29E-10D01	53-12-00	--	130	0	29	14	38	37	1.5	7.8
10/30E-03Q01	82-08-27	--	252	59	43	35	35	22	1.0	11
	83-03-11	<1	258	70	44	36	35	22	1.0	11
10/30E-35R01	83-03-10	<1	242	96	59	23	35	23	1.0	6.6
10/31E-32L02	82-08-30	--	138	7	24	19	30	30	1.1	10
	83-03-09	<1	138	0	24	19	29	29	1.1	10
10/32E-23J01	82-08-30	--	71	0	17	6.9	24	40	1.3	6.5
	83-03-08	<1	72	0	17	7.1	24	40	1.3	6.3
11/28E-36R01	82-08-30	--	81	0	20	7.4	60	58	3.0	11
	83-03-09	<1	82	0	20	7.8	60	58	3.0	11
11/29E-03A01	83-05-23	--	69	0	18	5.9	32	47	1.7	6.2
11/30E-02R01	83-03-10	--	223	36	53	22	29	21	.9	6.9
11/30E-11C01	70-12-14	--	386	214	90	39	21	10	.5	4.6
11/30E-12D01	82-08-30	--	110	0	30	8.5	81	57	3.5	18
	83-03-09	<1	119	0	33	8.9	80	55	3.3	19
11/30E-36M01	83-05-17	--	385	190	60	57	25	12	.6	2.1
11/31E-04P01	82-08-30	--	73	0	18	6.9	46	53	2.4	11
	83-05-18	--	78	0	19	7.3	47	53	2.4	11
11/32E-20A01	58-03-13	--	201	3	51	18	31	25	1.0	2.5
12/28E-12H01	42-04-27	--	41	0	8.8	4.6	83	75	5.8	14
	60-10-17	--	27	0	7.5	1.9	84	80	7.4	16
12/28E-23H01D1	82-08-30	--	53	0	15	3.7	62	68	3.9	9.6
	83-03-09	<1	54	0	15	3.9	63	68	3.9	9.6
12/28E-24F01S	58-03-16	--	452	300	110	43	68	24	1.4	11
12/28E-24N01	70-09-15	--	12	0	3.7	.7	94	89	12	11
12/29E-28E01	53-01-00	--	42	0	9.4	4.6	46	66	3.2	6.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINTY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
					FRANKLIN					
09/29E-02G02	83-05-18	--	262	--	.0	--	198	.2	26	1.5
09/29E-23J02	60-10-17	226	--	0	--	185	--	40	11	.5
	61-05-04	162	--	0	--	133	--	52	16	.4
09/29E-23P01	42-04-28	190	--	0	--	156	--	18	1.6	.3
09/29E-23P02	61-05-04	222	--	0	--	182	--	38	10	.4
09/30E-02R01	82-08-27	--	206	--	.0	--	167	76	26	.5
	83-03-08	--	212	--	.0	--	176	75	25	.6
09/30E-18H01	70-08-28	277	--	10	--	244	--	.0	15	1.8
09/30E-20D01	60-05-23	197	--	0	--	162	--	36	12	.4
	60-10-17	202	--	0	--	166	--	46	16	.6
09/30E-27K01	60-10-17	180	--	0	--	148	--	55	22	.6
09/31E-04N01	42-04-28	158	--	8	--	143	--	86	9.5	.9
	60-10-17	172	--	0	--	141	--	72	8.0	1.2
10/28E-12F01	83-03-10	--	151	--	.0	--	132	81	3.4	.5
10/29E-10D01	53-12-00	171	--	0	--	140	--	63	12	.8
10/30E-03Q01	82-08-27	--	227	--	.0	--	193	70	39	.5
	83-03-11	--	251	--	.0	--	188	68	39	.6
10/30E-35R01	83-03-10	--	192	--	.0	--	156	75	36	.6
10/31E-32L02	82-08-30	--	167	--	.0	--	131	53	9.9	.8
	83-03-09	--	165	--	.0	--	145	52	9.5	.9
10/32E-23J01	82-08-30	--	119	--	.0	--	94	21	7.2	.6
	83-03-08	--	119	--	.0	--	130	19	7.0	.7
11/28E-36R01	82-08-30	--	238	--	.0	--	196	10	19	.8
	83-03-09	--	243	--	.0	--	202	.9	19	.9
11/29E-03A01	83-05-23	--	143	--	.0	--	114	23	6.4	.7
11/30E-02R01	83-03-10	--	261	--	.0	--	187	68	23	.3
11/30E-11C01	70-12-14	210	--	0	--	172	--	158	51	.4
11/30E-12D01	82-08-30	--	198	--	.0	--	158	94	31	.3
	83-03-09	--	198	--	.0	--	165	100	34	.3
11/30E-36M01	83-05-17	--	248	--	.0	--	195	120	55	.3
11/31E-04P01	82-08-30	--	169	--	.0	--	131	27	8.7	.9
	83-05-18	--	176	--	.0	--	140	27	8.0	1.0
11/32E-20A01	58-03-13	241	--	0	--	198	--	53	11	.2
12/28E-12H01	42-04-27	182	--	7	--	161	--	59	9.5	1.0
	60-10-17	192	--	0	--	157	--	57	9.5	1.2
12/28E-23H01D1	82-08-30	--	193	--	.0	--	159	11	19	.8
	83-03-09	--	208	--	.0	--	168	9.6	18	.9
12/28E-24F01S	58-03-16	185	--	0	--	152	--	319	86	.5
12/28E-24N01	70-09-15	170	--	8	--	153	--	29	29	4.2
12/29E-28E01	53-01-00	116	--	3	--	100	--	35	11	1.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			FRANKLIN				
09/29E-02G02	83-05-18	62	--	328	--	--	<.10
09/29E-23J02	60-10-17	33	309	296	13	--	--
	61-05-04	32	276	265	6.3	--	--
09/29E-23P01	42-04-28	26	215	209	3.8	--	--
09/29E-23P02	61-05-04	33	308	285	11	--	--
09/30E-02R01	82-08-27	41	--	352	--	--	4.0
	83-03-08	41	--	353	--	--	4.3
09/30E-18H01	70-08-28	54	358	356	.00	--	--
09/30E-20D01	60-05-23	38	330	283	41	--	--
	60-10-17	38	394	317	74	--	--
09/30E-27K01	60-10-17	39	324	302	12	--	--
09/31E-04N01	42-04-28	50	336	349	.10	--	--
	60-10-17	50	324	303	.30	--	--
10/28E-12F01	83-03-10	43	--	287	--	--	<.10
10/29E-10D01	53-12-00	--	--	298	.00	--	--
10/30E-03D01	82-08-27	56	--	402	--	--	9.2
	83-03-11	57	--	414	--	--	9.3
10/30E-35R01	83-03-10	44	--	374	--	--	13
10/31E-32L02	82-08-30	58	--	287	--	--	1.6
	83-03-09	59	--	285	--	--	1.6
10/32E-23J01	82-08-30	69	--	211	--	--	.87
	83-03-08	69	--	209	--	--	.93
11/28E-36R01	82-08-30	68	--	314	--	--	<.10
	83-03-09	72	--	311	--	--	<.10
11/29E-03A01	83-05-23	51	--	314	--	--	<.10
11/30E-02R01	83-03-10	41	--	372	--	--	4.0
11/30E-11C01	70-12-14	45	627	513	33	--	--
11/30E-12D01	82-08-30	37	--	397	--	--	1.7
	83-03-09	32	--	405	--	--	1.9
11/30E-36M01	83-05-17	50	--	491	--	--	8.1
11/31E-04P01	82-08-30	85	--	287	--	--	3.4
	83-05-18	84	--	291	--	--	4.1
11/32E-20A01	58-03-13	37	331	322	.40	--	--
12/28E-12H01	42-04-27	52	328	336	.10	--	--
	60-10-17	53	321	325	.20	--	--
12/28E-23H01D1	82-08-30	62	--	278	--	--	<.10
	83-03-09	62	--	284	--	--	<.10
12/28E-24F01S	58-03-16	32	796	760	5.3	--	--
12/28E-24N01	70-09-15	56	329	328	.00	--	--
12/29E-28F01	53-01-00	--	--	230	.40	--	--

Table 2.--Continued

LOCAL IDENT-I-FIER	DATE OF SAMPLE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
	FRANKLIN				
09/29E-02G02	83-05-18	--	73	--	23
09/29E-23J02	60-10-17	50	--	--	--
	61-05-04	<10	--	--	--
09/29E-23P01	42-04-28	40	--	--	--
09/29E-23P02	61-05-04	<10	--	--	--
09/30E-02P01	82-08-27	--	<3	--	1
	83-03-08	--	11	--	1
09/30E-18H01	70-08-28	40	--	<20	--
09/30E-20D01	60-05-23	20	--	--	--
	60-10-17	90	--	--	--
09/30E-27K01	60-10-17	300	--	--	--
09/31E-04N01	42-04-28	40	--	--	--
	60-10-17	20	--	--	--
10/28E-12F01	83-03-10	--	34	--	39
10/29E-10D01	53-12-00	--	--	--	--
10/30E-03Q01	82-08-27	--	5	--	<1
	83-03-11	--	9	--	1
10/30E-35R01	83-03-10	--	5	--	2
10/31E-32L02	82-08-30	--	<3	--	1
	83-03-09	--	7	--	<1
10/32E-23J01	82-08-30	--	6	--	<1
	83-03-08	--	7	--	<1
11/28E-36R01	82-08-30	--	120	--	53
	83-03-09	--	150	--	47
11/29E-03A01	83-05-23	--	10	--	8
11/30E-02P01	83-03-10	--	3	--	<1
11/30E-11C01	70-12-14	20	--	<20	--
11/30E-12D01	82-08-30	--	4	--	67
	83-03-09	--	8	--	64
11/30E-36M01	83-05-17	--	14	--	3
11/31E-04P01	82-08-30	--	6	--	<1
	83-05-18	--	16	--	2
11/32E-20A01	58-03-13	250	--	--	--
12/28E-12H01	42-04-27	40	--	--	--
	60-10-17	880	--	--	--
12/28E-23H01D1	82-08-30	--	35	--	29
	83-03-09	--	57	--	23
12/28E-24F01S	58-03-16	40	--	--	--
12/28E-24N01	70-09-15	50	--	100	--
12/29E-28F01	53-01-00	--	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				FRANKLIN						
12/29E-28F01	46 29 55	119 11 06	01	--	56-11-02	699	914.00	310	7.4	--
				--	56-12-27	699	--	343	7.7	--
12/29E-34B01D1	46 29 24	119 09 33	01	122SDLM	83-03-11	997	920.00	370	8.3	12.3
12/30E-05R01	46 33 41	119 04 28	01	122YKIM	56-03-06	458	914.40	381	7.8	--
				122YKIM	82-09-01	458	914.40	745	7.8	17.7
				122YKIM	83-03-10	458	914.40	735	7.6	17.1
12/32E-28R01	46 30 03	118 48 41	01	--	58-03-13	792	--	256	8.0	19.5
13/28E-13N01	46 36 27	119 15 36	01	122WNPM	54-10-00	1119	952.00	388	8.6	--
				122WNPM	70-11-10	1119	952.50	386	8.6	27.6
				122WNPM	83-03-14	1119	952.00	375	8.4	28.5
13/29E-08H01	46 37 46	119 12 07	01	122SDLM	82-09-01	450	995.00	320	8.0	20.8
				122SDLM	83-03-10	450	995.00	341	7.9	20.0
13/29E-26R01	46 35 23	119 09 25	01	121CRRV	54-12-10	149	--	458	7.7	15.6
13/30E-31N01	46 33 56	119 05 41	01	122SDLM	82-09-01	235	880.00	925	7.9	16.1
				122SDLM	83-03-10	235	880.00	955	7.5	15.3
13/31E-01E01	46 38 35	118 52 24	01	122GRRD	82-08-31	1325	860.00	560	7.6	20.4
				122GRRD	83-03-10	1325	860.00	525	7.6	20.2
13/31E-24R01	46 35 29	118 51 32	01	--	58-03-13	537	1174.00	322	7.8	11.0
13/32E-01J01	46 38 22	118 44 04	01	--	60-10-17	220	765.00	355	7.8	14.0
13/32E-03C01	46 38 46	118 47 02	01	122WNPM	82-08-31	300	785.00	420	7.9	18.3
				122WNPM	83-05-18	300	785.00	471	7.8	18.2
13/32E-07E02	46 37 49	118 51 14	01	122WNPM	82-08-31	652	1070.00	310	8.0	--
				122WNPM	83-03-10	652	1070.00	298	8.0	9.4
13/33E-06M01D1	46 38 28	118 43 46	01	122CRRV	82-09-02	390	785.00	395	8.7	16.6
				122CRRV	83-03-10	390	785.00	391	8.8	17.2
13/34E-33R01	46 33 47	118 32 43	01	--	61-09-01	117	--	151	7.3	13.5
14/29E-05A01	46 44 12	119 11 57	01	122SDLM	82-08-31	305	1100.00	560	8.2	18.8
				122SDLM	83-03-15	305	1100.00	557	7.8	13.8
14/29E-09A01	46 43 21	119 10 41	01	121CRRV	52-03-20	863	1275.00	373	8.0	15.5
				121CRRV	53-04-23	863	--	378	8.0	--
				121CRRV	53-10-28	863	--	377	8.2	--
				121CRRV	54-08-18	863	--	378	7.7	--
				121CRRV	55-09-29	863	--	386	8.1	20.5
				121CRRV	56-09-13	863	--	385	8.1	21.5
				121CRRV	57-11-08	863	1275.00	398	8.0	--
				121CRRV	60-06-28	863	--	378	7.9	--
				121CRRV	60-10-19	863	--	411	8.0	23.5
				121CRRV	61-10-05	863	--	377	7.9	--
				121CRRV	62-10-09	--	--	386	7.9	21.7
				121CRRV	64-04-29	863	--	403	7.8	22.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					FRANKLIN					
12/29E-28F01	56-11-02	108	--	0	--	89	--	40	12	4.7
	56-12-27	104	--	0	--	85	--	50	11	1.5
12/29E-34R01D1	83-03-11	--	204	--	.0	--	167	14	14	1.7
12/30E-05R01	56-03-06	156	--	0	--	128	--	30	21	.7
	82-09-01	--	185	--	.0	--	150	120	54	.3
	83-03-10	--	215	--	.0	--	157	120	51	.3
12/32E-28R01	58-03-13	125	--	0	--	103	--	15	8.2	.9
13/29E-13N01	54-10-00	177	--	--	--	145	--	20	15	2.0
	70-11-10	182	--	0	--	149	--	19	14	2.2
	83-03-14	--	157	--	12	--	151	19	14	2.4
13/29E-08H01	82-09-01	--	177	--	.0	--	140	11	10	.5
	83-03-10	--	225	--	.0	--	167	13	12	.5
13/29E-26R01	54-12-10	135	--	0	--	111	--	71	23	.5
13/30E-31N01	82-09-01	--	280	--	.0	--	241	150	49	.3
	83-03-10	--	317	--	.0	--	255	150	47	.3
13/31E-01E01	82-08-31	--	278	--	.0	--	206	32	19	.3
	83-03-10	--	276	--	.0	--	226	30	18	.4
13/31E-24R01	58-03-13	168	--	0	--	138	--	17	5.2	.5
13/32E-01J01	60-10-17	184	--	0	--	151	--	14	8.0	.6
13/32E-03C01	82-08-31	--	188	--	.0	--	140	33	9.4	1.3
	83-05-18	--	209	--	.0	--	169	43	11	1.3
13/32E-07E02	82-08-31	--	153	--	.0	--	113	21	9.2	.5
	83-03-10	--	155	--	.0	--	131	19	10	.5
13/33E-06M01D1	82-09-02	--	167	--	10	--	131	44	7.8	.7
	83-03-10	--	170	--	13	--	163	33	9.2	.8
13/34E-33R01	61-09-01	72	--	0	--	59	--	12	4.0	.3
14/29E-05A01	82-08-31	--	190	--	.0	--	149	76	32	.5
	83-03-15	--	196	--	.0	--	161	80	32	.7
14/29E-09A01	52-03-20	182	--	0	--	149	--	26	13	1.0
	53-04-23	185	--	0	--	152	--	26	12	1.0
	53-10-28	188	--	0	--	154	--	24	11	1.0
	54-08-18	188	--	0	--	154	--	27	12	1.0
	55-09-29	186	--	0	--	153	--	24	11	.9
	56-09-13	187	--	0	--	153	--	25	13	1.0
	57-11-08	187	--	--	--	153	--	30	13	.9
	60-06-28	187	--	0	--	153	--	24	11	1.1
	60-10-19	185	--	0	--	152	--	29	10	1.0
	61-10-05	186	--	0	--	153	--	25	12	1.1
	62-10-09	189	--	0	--	155	--	24	11	1.0
	64-04-29	182	--	0	--	149	--	33	14	1.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL 0.7 UM-MF (COLS./100 ML)	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)
					FRANKLIN					
12/29E-28F01	56-11-02	--	41	0	9.0	4.5	45	66	3.1	6.6
	56-12-27	--	49	0	13	3.9	48	63	3.1	9.4
12/29E-34R01D1	83-03-11	--	25	0	6.8	1.9	72	79	6.5	13
12/30E-05R01	56-03-06	--	164	36	31	21	15	16	.5	3.9
	82-09-01	--	341	191	72	39	22	12	.5	5.1
	83-03-10	<1	321	164	66	38	21	12	.5	5.1
12/32E-28R01	58-03-13	--	55	0	12	6.1	29	50	1.7	5.8
13/28E-13N01	54-10-00	--	5	0	1.6	.2	78	86	16	17
	70-11-10	--	4	0	.8	.4	78	87	18	17
	83-03-14	<1	3	0	.8	.3	76	87	19	16
13/29E-08H01	82-09-01	--	81	0	19	8.2	38	48	1.9	6.8
	83-03-10	<1	94	0	22	9.4	40	46	1.9	7.1
13/29E-26R01	54-12-10	--	178	67	35	22	24	22	.8	5.5
13/30E-31N01	82-09-01	--	385	144	86	41	52	23	1.2	4.8
	83-03-10	<1	360	105	80	39	51	23	1.2	4.3
13/31E-01E01	82-08-31	--	223	17	53	22	25	19	.8	7.3
	83-03-10	<1	216	0	52	21	24	19	.7	6.7
13/31E-24R01	58-03-13	--	104	0	22	12	27	34	1.2	6.4
13/32E-01J01	60-10-17	--	121	0	32	10	27	32	1.1	4.6
13/32E-03C01	82-08-31	--	103	0	23	11	48	49	2.1	5.5
	83-05-18	--	123	0	28	13	52	46	2.1	5.8
13/32E-07E02	82-08-31	--	112	0	25	12	18	25	.8	4.9
	83-03-10	<1	117	0	27	12	18	24	.7	4.7
13/33E-06M01D1	82-09-02	--	45	0	13	3.1	69	74	4.6	6.9
	83-03-10	--	33	0	9.5	2.2	76	80	6.0	6.9
13/34E-33R01	61-09-01	--	58	0	17	3.8	7.8	22	.5	1.9
14/29E-05A01	82-08-31	--	219	70	38	30	32	24	1.0	5.9
	83-03-15	<1	238	77	41	33	34	23	1.0	6.0
14/29E-09A01	52-03-20	--	79	0	15	10	48	54	2.4	7.5
	53-04-23	--	99	0	20	12	44	--	2.0	--
	53-10-28	--	93	0	19	11	45	49	2.1	7.8
	54-08-18	--	102	0	21	12	43	46	1.9	6.9
	55-09-29	--	91	0	20	9.9	44	49	2.1	7.6
	56-09-13	--	91	0	20	10	44	49	2.1	7.5
	57-11-08	--	102	0	21	12	43	45	1.9	8.1
	60-06-28	--	90	0	18	11	45	49	2.1	7.8
	60-10-19	--	98	0	21	11	43	46	1.9	8.2
	61-10-05	--	91	0	20	10	45	49	2.1	8.1
	62-10-09	--	91	0	20	10	45	49	2.1	7.6
	64-04-29	--	100	0	22	11	44	46	2.0	8.2

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			FRANKLIN				
12/29E-28F01	56-11-02	--	236	--	1.2	--	--
	56-12-27	--	234	--	--	--	--
12/29E-34A01D1	83-03-11	61	--	285	--	--	<.10
12/30E-05R01	56-03-06	--	--	278	12	--	--
	82-09-01	57	--	461	--	--	8.2
	83-03-10	56	--	463	--	--	7.9
12/32E-28R01	58-03-13	70	215	208	.70	--	--
13/28E-13N01	54-10-00	--	--	336	.20	--	--
	70-11-10	67	282	288	.00	--	--
	83-03-14	66	--	289	--	--	.22
13/29E-08H01	82-09-01	64	--	245	--	--	<.10
	83-03-10	61	--	276	--	--	<.10
13/29E-26R01	54-12-10	--	--	340	14	--	--
13/30E-31N01	82-09-01	48	--	570	--	--	8.0
	83-03-10	46	--	574	--	--	6.8
13/31E-01E01	82-08-31	54	--	350	--	--	2.0
	83-03-10	54	--	342	--	--	2.2
13/31E-24R01	58-03-13	42	217	215	3.8	--	--
13/32E-01J01	60-10-17	37	239	224	11	--	--
13/32E-03C01	82-08-31	50	--	274	--	--	3.9
	83-05-18	49	--	306	--	--	5.5
13/32E-07E02	82-08-31	49	--	215	--	--	.95
	83-03-10	48	--	216	--	--	1.0
13/33E-06M01D1	82-09-02	39	--	281	--	--	.54
	83-03-10	41	--	283	--	--	<.10
13/34E-33R01	61-09-01	25	113	107	.60	--	--
14/29E-05A01	82-08-31	57	--	365	--	--	4.0
	83-03-15	59	--	382	--	--	4.1
14/29E-09A01	52-03-20	59	266	269	.70	--	--
	53-04-23	57	263	--	.20	--	--
	53-10-28	62	264	273	1.0	--	--
	54-08-18	55	271	270	.50	--	--
	55-09-29	55	266	264	.90	--	--
	56-09-13	56	263	269	.80	--	--
	57-11-08	49	271	269	2.0	--	--
	60-06-28	56	261	266	.60	--	--
	60-10-19	56	282	270	1.9	--	--
	61-10-05	57	264	270	.80	--	--
	62-10-09	57	270	269	1.0	--	--
	64-04-29	57	280	280	1.8	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	FRANKLIN				
12/29E-28F01	56-11-02	--	170	--	--
	56-12-27	--	--	--	--
12/29E-34R01D1	83-03-11	--	9	--	1
12/30E-05R01	56-03-06	<10	--	--	--
	82-09-01	--	6	--	5
	83-03-10	--	<3	--	2
12/32E-28R01	58-03-13	30	--	--	--
13/28E-13N01	54-10-00	--	--	--	--
	70-11-10	40	--	<20	--
	83-03-14	--	38	--	6
13/29E-08H01	82-09-01	--	35	--	51
	83-03-10	--	84	--	71
13/29E-26R01	54-12-10	--	--	--	--
13/30E-31N01	82-09-01	--	4	--	2
	83-03-10	--	8	--	<1
13/31E-01E01	82-08-31	--	<3	--	2
	83-03-10	--	<3	--	2
13/31E-24R01	58-03-13	1200	--	--	--
13/32E-01J01	60-10-17	60	--	--	--
13/32E-03C01	82-08-31	--	<3	--	<1
	83-05-18	--	<3	--	<1
13/32E-07E02	82-08-31	--	4	--	<1
	83-03-10	--	<3	--	2
13/33E-06M01D1	82-09-02	--	39	--	2
	83-03-10	--	120	--	<10
13/34E-33R01	61-09-01	40	--	--	--
14/29E-05A01	82-08-31	--	3	--	2
	83-03-15	--	<3	--	1
14/29E-09A01	52-03-20	20	--	--	--
	53-04-23	10	--	--	--
	53-10-28	20	--	--	--
	54-08-18	40	--	--	--
	55-09-29	<10	--	--	--
	56-09-13	<10	--	--	--
	57-11-08	--	210	--	--
	60-06-28	150	--	--	--
	60-10-19	20	--	--	--
	61-10-05	40	--	--	--
	62-10-09	90	--	<50	--
	64-04-29	40	--	<50	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				FRANKLIN						
14/29E-09A01	46 43 21	119 10 41	01	121CRRV	65-01-26	863	--	395	7.9	22.3
				121CRRV	66-01-27	863	--	395	8.2	15.6
				121CRRV	67-02-13	863	--	389	8.1	21.1
				121CRRV	67-03-15	863	--	388	7.9	--
				121CRRV	67-04-26	863	--	407	7.9	--
				121CRRV	68-03-04	863	--	410	8.0	--
				121CRRV	69-06-12	863	--	412	7.9	--
14/29E-19Q01	46 40 43	119 13 31	01	122SDLM	82-08-31	420	1085.00	660	7.8	22.7
				122SDLM	83-03-10	420	1085.00	645	7.6	20.0
14/30E-08G01	46 43 04	119 04 38	01	121CRRV	52-08-00	371	--	449	--	--
				121CRRV	58-03-13	371	953.00	1570	7.9	13.5
				121CRRV	62-06-19	--	--	992	--	--
14/30E-10P01	46 42 34	119 02 27	01	122WNPM	52-07-00	433	1016.00	396	8.5	19.4
				122WNPM	82-08-31	433	1016.00	375	7.7	16.5
				122WNPM	83-03-14	433	1016.00	370	7.5	14.9
14/30E-20A01	46 41 36	119 04 09	01	121CRRV	52-01-00	717	--	503	7.9	18.9
				121CRRV	58-03-13	717	--	735	7.7	11.5
				121CRRV	62-06-20	717	--	544	--	--
14/30E-27J01	46 40 04	119 01 46	01	--	53-11-00	381	--	587	7.5	--
14/31E-19R01	46 41 35	118 58 12	01	122YKIM	82-09-02	320	1115.00	440	8.0	17.7
				122YKIM	83-03-11	320	1115.00	440	7.6	17.1
14/31E-36R01	46 39 46	118 51 50	02	121CRRV	55-06-30	643	904.00	--	8.1	--
14/31E-36R02	46 39 46	118 51 50	01	--	42-04-28	286	904.00	337	--	15.5
				--	55-06-30	286	904.00	--	7.5	--
				--	58-03-13	286	--	308	8.0	15.5
14/31E-36J01	46 39 15	118 51 30	01	--	70-09-24	1105	--	352	8.8	25.0
14/32E-31D01	46 39 43	118 51 10	02	--	55-06-30	505	876.00	--	7.8	--
				--	60-10-17	505	--	311	7.9	18.5
14/34E-25P01D1	46 39 53	118 29 39	01	122WNPM	82-09-02	220	1000.00	835	7.7	18.6
				122WNPM	83-05-20	220	1000.00	820	7.7	16.3
14/36E-19N01	46 40 46	118 21 10	01	122CRRV	82-09-01	940	1340.00	790	7.5	29.1
				122CRRV	83-05-20	940	1340.00	790	7.4	28.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
					FRANKLIN					
14/29E-09A01	65-01-26	--	102	0	21	12	43	46	1.9	7.9
	66-01-27	--	99	0	20	12	45	47	2.0	8.0
	67-02-13	--	95	0	20	11	44	48	2.0	7.7
	67-03-15	--	102	0	21	12	42	45	1.9	7.8
	67-04-26	--	99	0	20	12	43	46	1.9	8.3
	68-03-04	--	104	0	22	12	44	46	1.9	8.0
	69-06-12	--	104	0	22	12	44	46	1.9	7.0
14/29E-19Q01	82-08-31	--	234	91	49	27	41	26	1.2	11
	83-03-10	--	244	95	50	29	42	26	1.2	11
14/30E-08G01	52-08-00	--	166	--	--	--	--	--	--	--
	58-03-13	--	786	545	140	106	42	10	.7	7.8
	62-06-19	--	499	--	--	--	--	--	--	--
14/30E-10P01	52-07-00	--	143	0	26	19	30	30	1.1	5.1
	82-08-31	--	153	3	30	19	22	23	.8	4.8
	83-03-14	<1	147	8	29	18	21	23	.8	4.7
14/30E-20A01	52-01-00	--	89	0	20	9.4	42	57	3.0	11
	58-03-13	--	317	189	74	32	24	14	.6	7.8
	62-06-20	--	193	--	--	--	--	--	--	--
14/30E-27J01	53-11-00	--	262	124	44	37	19	13	.5	5.9
14/31E-19R01	82-09-02	--	177	28	36	21	22	21	.7	6.4
	83-03-11	<1	169	71	33	21	22	21	.8	6.4
14/31E-36R01	55-06-30	--	101	0	19	13	32	40	1.4	3.9
14/31E-36R02	42-04-28	--	140	0	28	17	18	21	.7	4.6
	55-06-30	--	170	39	35	20	13	14	.4	3.9
	58-03-13	--	137	13	30	15	11	15	.4	2.5
14/31E-36J01	70-09-24	--	9	0	3.1	.3	72	88	11	9.0
14/32E-31D01	55-06-30	--	107	0	23	12	19	27	.8	5.8
	60-10-17	--	114	1	26	12	18	24	.8	5.3
14/34E-25P01D1	82-09-02	--	345	104	77	37	40	20	1.0	5.9
	83-05-20	<1	331	101	73	36	41	21	1.0	5.7
14/36E-19N01	82-09-01	--	237	0	37	35	80	40	2.3	19
	83-05-20	<1	236	0	35	36	81	40	2.3	21

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					FRANKLIN					
14/29E-09A01	65-01-26	186	--	0	--	153	--	31	13	1.0
	66-01-27	182	--	0	--	149	--	30	14	1.1
	67-02-13	182	--	0	--	149	--	28	14	1.0
	67-03-15	180	--	0	--	148	--	28	14	1.0
	67-04-26	180	--	0	--	148	--	32	14	1.0
	68-03-04	180	--	0	--	148	--	34	17	1.0
	69-06-12	180	--	0	--	148	--	34	17	.7
14/29E-19D01	82-08-31	--	180	--	.0	--	143	100	30	.5
	83-03-10	--	209	--	.0	--	149	110	29	.6
14/30E-08G01	52-08-00	--	--	--	--	--	--	47	--	--
	58-03-13	294	--	0	--	241	--	368	128	.3
	62-06-19	--	--	--	--	--	--	168	--	--
14/30E-10P01	52-07-00	152	--	8	--	146	--	43	15	1.1
	82-08-31	--	190	--	.0	--	150	28	7.7	.4
	83-03-14	--	188	--	.0	--	139	29	8.3	.5
14/30E-20A01	52-01-00	223	--	0	--	183	--	42	14	.5
	58-03-13	156	--	0	--	128	--	93	66	.4
	62-06-20	--	--	--	--	--	--	56	--	--
14/30E-27J01	53-11-00	168	--	0	--	138	--	100	42	.6
14/31E-19B01	82-09-02	--	193	--	.0	--	149	55	17	.4
	83-03-11	--	186	--	.0	--	98	49	11	.5
14/31E-36B01	55-06-30	144	--	8	--	131	--	18	12	--
14/31E-36B02	42-04-28	158	--	0	--	130	--	23	9.5	.4
	55-06-30	146	--	7	--	131	--	23	20	--
	58-03-13	151	--	0	--	124	--	14	4.8	.4
14/31E-36J01	70-09-24	139	--	10	--	131	--	27	11	1.7
14/32E-31D01	55-06-30	145	--	4	--	126	--	11	8.1	--
	60-10-17	138	--	0	--	113	--	22	10	.5
14/34E-25P01D1	82-09-02	--	296	--	.0	--	241	92	55	.3
	83-05-20	--	291	--	.0	--	230	92	54	.4
14/36E-19N01	82-09-01	--	489	--	.0	--	396	17	16	.6
	83-05-20	--	494	--	.0	--	402	16	14	.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			FRANKLIN				
14/29E-09A01	65-01-26	55	273	275	1.6	--	--
	66-01-27	52	266	272	1.1	--	--
	67-02-13	28	250	243	.90	--	--
	67-03-15	60	269	274	2.3	--	--
	67-04-26	58	280	277	1.4	--	--
	68-03-04	59	267	286	2.1	--	--
	69-06-12	54	300	279	2.6	--	--
14/29E-19Q01	82-08-31	61	--	408	--	--	12
	83-03-10	63	--	437	--	--	11
14/30E-08G01	52-08-00	--	--	--	.40	--	--
	58-03-13	40	1180	977	99	--	--
	62-06-19	--	--	--	43	--	--
14/30E-10P01	52-07-00	--	--	280	4.3	--	--
	82-08-31	53	--	259	--	--	1.2
	83-03-14	51	--	254	--	--	1.4
14/30E-20A01	52-01-00	--	--	326	.00	--	--
	58-03-13	25	470	399	55	--	--
	62-06-20	--	--	--	30	--	--
14/30E-27J01	53-11-00	--	--	448	17	--	--
14/31E-19R01	82-09-02	58	--	311	--	--	2.0
	83-03-11	58	--	292	--	--	1.9
14/31E-36R01	55-06-30	--	253	--	--	--	--
14/31E-36R02	42-04-28	45	242	223	13	--	--
	55-06-30	--	300	--	--	--	--
	58-03-13	38	208	190	14	--	--
14/31E-36J01	70-09-24	70	269	283	.00	--	--
14/32E-31D01	55-06-30	--	220	--	--	--	--
	60-10-17	48	228	210	8.8	--	--
14/34E-25P01D1	82-09-02	42	--	495	--	--	5.8
	83-05-20	42	--	487	--	--	7.0
14/36E-19N01	82-09-01	100	--	545	--	--	.48
	83-05-20	100	--	547	--	--	.39

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
		FRANKLIN			
14/29E-09A01	65-01-26	20	--	<50	--
	66-01-27	70	--	<50	--
	67-02-13	40	--	40	--
	67-03-15	80	--	<5	--
	67-04-26	30	--	40	--
	68-03-04	40	--	10	--
	69-06-12	10	--	<50	--
14/29E-19001	82-08-31	--	4	--	1
	83-03-10	--	<3	--	<1
14/30E-08G01	52-08-00	--	--	--	--
	58-03-13	810	--	--	--
	62-06-19	--	--	--	--
14/30E-10P01	52-07-00	--	--	--	--
	82-08-31	--	3	--	2
	83-03-14	--	20	--	6
14/30E-20A01	52-01-00	--	--	--	--
	58-03-13	510	--	--	--
	62-06-20	--	--	--	--
14/30E-27J01	53-11-00	--	--	--	--
14/31E-19R01	82-09-02	--	<3	--	3
	83-03-11	--	12	--	1
14/31E-36R01	55-06-30	--	130	--	--
14/31E-36R02	42-04-28	40	--	--	--
	55-06-30	--	30	--	--
	58-03-13	50	--	--	--
14/31E-36J01	70-09-24	30	--	<20	--
14/32E-31D01	55-06-30	--	20	--	--
	60-10-17	560	--	--	--
14/34E-25P01D1	82-09-02	--	4	--	5
	83-05-20	--	7	--	3
14/36E-19N01	82-09-01	--	32	--	42
	83-05-20	--	39	--	41

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
14/23E-13D01	46 42 17	119 53 22	01	122WNPM	82-08-13	970	745.00	240	8.3	23.2
14/23E-26A01D1	46 40 39	119 53 50	01	122YKIM	82-08-12	412	630.00	283	8.2	22.9
				122YKIM	83-03-16	412	630.00	262	8.1	16.5
14/23E-36L02	46 39 26	119 53 14	01	122WNPM	82-08-12	236	550.00	350	7.9	15.3
				122WNPM	83-03-16	236	550.00	348	7.7	14.1
14/25E-01D01	46 44 08	119 38 24	01	--	52-08-07	935	660.00	330	7.9	21.0
				--	54-10-28	935	--	291	7.7	28.0
				--	59-10-28	935	--	310	7.7	--
				--	70-09-17	935	--	291	8.1	26.4
				--	71-10-08	935	--	289	7.8	27.5
14/25E-02C01	46 44 07	119 39 18	01	122SDLM	82-08-11	445	680.00	300	7.8	21.1
				122SDLM	83-03-16	445	680.00	298	7.7	18.6
14/25E-21B01	46 41 35	119 41 38	01	--	53-09-03	522	640.00	319	7.8	18.5
				--	54-10-28	522	--	313	7.6	21.0
				--	58-01-07	522	--	318	7.8	22.0
				--	59-03-24	522	--	324	7.8	--
14/25E-31M01	46 39 22	119 44 33	01	--	53-09-03	699	774.00	262	7.8	18.5
14/27E-24C01	46 41 32	119 22 51	01	--	59-03-23	1396	862.00	451	8.1	--
				--	59-10-28	1396	--	457	8.0	30.0
15/23E-03H01	46 49 14	119 55 18	01	--	60-10-18	84	534.00	283	7.9	18.0
15/23E-35J01	46 44 31	119 53 43	01	122WNPM	82-08-12	424	778.00	238	8.1	18.0
15/23E-35P01	46 44 22	119 54 23	01	122WNPM	82-08-12	993	750.00	210	8.1	21.7
				122WNPM	83-03-15	993	750.00	220	8.5	16.4
15/25E-35J01	46 44 29	119 38 29	01	122SDLM	82-08-19	420	700.00	310	7.8	20.1
				122SDLM	83-03-15	420	720.00	300	7.8	16.4
15/26E-28Q01	46 45 10	119 33 52	01	--	69-05-14	892	--	303	8.4	--
15/27E-05R01	46 48 46	119 27 19	01	121CRRV	44-00-00	358	726.00	--	--	--
15/27E-32E01	46 44 44	119 28 28	01	--	54-10-28	1123	725.00	298	7.9	16.5
15/27E-34L02	46 44 29	119 25 33	01	--	58-01-07	636	694.00	330	7.8	21.5
				--	59-03-24	636	--	327	7.6	--
16/23E-21J01	46 51 39	119 56 33	01	122WNPM	82-08-13	173	530.00	390	8.0	21.4
				122WNPM	83-03-16	173	530.00	395	7.5	21.1
16/23E-34C01	46 50 16	119 55 51	01	--	44-00-00	85	550.00	--	--	--
16/23E-34F02	46 50 00	119 55 43	01	--	60-10-18	141	570.00	221	8.1	18.0
16/24E-01G01	46 54 26	119 45 17	01	121CRRV	60-01-24	800	1216.00	566	7.9	23.5
				121CRRV	62-06-15	800	--	590	8.0	--
				121CRRV	62-07-12	800	--	587	8.0	--
				121CRRV	62-08-15	800	--	584	8.0	--
				121CRRV	62-09-00	800	--	587	8.2	--
16/24E-01G02	46 54 28	119 45 17	01	--	59-11-17	915	--	575	7.7	23.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
14/23E-13D01	82-08-13	--	54	0	13	5.2	30	50	1.8	9.3
14/23E-26A01D1	82-08-12	--	66	0	17	5.6	31	46	1.7	9.6
	83-03-16	<1	71	0	19	5.7	30	44	1.6	8.4
14/23E-36L02	82-08-12	--	160	37	46	11	10	12	.4	4.1
	83-03-16	<1	158	29	45	11	11	13	.4	4.2
14/25E-01D01	52-08-07	--	48	0	12	4.5	47	58	3.0	19
	54-10-28	--	98	0	24	9.3	20	28	.9	12
	59-10-28	--	115	0	28	11	19	25	.8	6.0
	70-09-17	--	95	0	24	8.6	17	25	.8	11
	71-10-08	--	95	0	24	8.5	17	24	.8	17
14/25E-02C01	82-08-11	--	120	0	30	11	17	23	.7	5.5
	83-03-16	<1	120	0	30	11	17	23	.7	5.2
14/25E-21B01	53-09-03	--	115	0	28	11	22	28	.9	6.5
	54-10-28	--	115	0	28	11	21	27	.9	6.7
	58-01-07	--	114	0	30	9.6	21	27	.9	6.4
	59-03-24	--	115	0	30	9.8	20	26	.8	6.9
14/25E-31M01	53-09-03	--	108	4	25	11	11	17	.5	5.5
14/27E-24C01	59-03-23	--	21	0	7.0	.8	80	76	8.0	26
	59-10-28	--	19	0	7.0	.4	80	77	8.4	26
15/23E-03H01	60-10-18	--	122	23	37	7.1	7.8	12	.3	3.4
15/23E-35J01	82-08-12	--	98	10	26	8.1	5.8	11	.3	3.5
15/23E-35P01	82-08-12	--	56	0	13	5.7	20	40	1.2	7.9
	83-03-15	<1	56	0	13	5.7	23	43	1.4	8.0
15/25E-35J01	82-08-19	--	113	0	27	11	18	25	.8	4.6
	83-03-15	<1	113	0	27	11	18	25	.8	4.4
15/26E-28Q01	69-05-14	--	41	0	11	3.3	41	59	2.9	17
15/27E-05P01	44-00-00	--	188	0	44	19	--	--	--	--
15/27E-32E01	54-10-28	--	89	0	21	8.8	26	35	1.2	12
15/27E-34L02	58-01-07	--	57	0	13	6.0	40	52	2.4	18
	59-03-24	--	60	0	14	6.1	35	47	2.0	19
16/23E-21J01	82-08-13	--	141	0	30	16	30	30	1.1	6.5
	83-03-16	<1	141	0	30	16	30	31	1.1	6.2
16/23E-34C01	44-00-00	--	104	0	30	7.0	--	--	--	--
16/23E-34F02	60-10-18	--	92	3	24	7.9	7.6	15	.4	3.5
16/24E-01G01	60-01-24	--	199	0	40	24	45	32	1.4	10
	62-06-15	--	199	0	40	24	49	34	1.6	10
	62-07-12	--	196	0	39	24	49	34	1.6	10
	62-08-15	--	195	0	40	23	48	33	1.5	11
	62-09-00	--	199	0	40	24	48	33	1.5	10
16/24E-01G02	59-11-17	--	194	0	38	24	45	32	1.4	9.6

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
14/23E-13D01	82-08-13	--	137	--	.0	--	115	13	2.6	.9
14/23E-26A01D1	82-08-12	--	143	--	.0	--	124	14	4.3	.9
	83-03-16	--	175	--	.0	--	125	13	3.8	.9
14/23E-36L02	82-08-12	--	156	--	.0	--	123	39	10	.2
	83-03-16	--	176	--	.0	--	129	36	10	.2
14/25E-01D01	52-08-07	157	--	0	--	129	--	25	9.7	.4
	54-10-28	142	--	--	--	116	--	27	6.2	.5
	59-10-28	154	--	--	--	126	--	21	5.2	.3
	70-09-17	141	--	0	--	116	--	24	5.0	.4
	71-10-08	143	--	0	--	117	--	31	5.4	.4
14/25E-02C01	82-08-11	--	145	--	.0	--	124	24	7.4	.3
	83-03-16	--	181	--	.0	--	126	22	7.7	.3
14/25E-21B01	53-09-03	155	--	0	--	127	--	26	7.0	.4
	54-10-28	156	--	0	--	128	--	25	7.4	.3
	58-01-07	154	--	0	--	126	--	23	7.0	.3
	59-03-24	157	--	0	--	129	--	24	7.2	1.0
14/25E-31M01	53-09-03	127	--	0	--	104	--	24	4.0	.3
14/27E-24C01	59-03-23	216	--	0	--	177	--	28	12	1.2
	59-10-28	216	--	0	--	177	--	29	12	1.2
15/23E-03H01	60-10-18	121	--	0	--	99	--	29	7.5	.2
15/23E-35J01	82-08-12	--	108	--	.0	--	88	23	4.7	.2
15/23E-35P01	82-08-12	--	116	--	.0	--	98	13	1.7	.7
	83-03-15	--	143	--	.0	--	127	12	1.8	.7
15/25E-35J01	82-08-19	--	153	--	.0	--	118	23	7.1	.3
	83-03-15	--	176	--	.0	--	126	22	7.1	.3
15/26E-28Q01	69-05-14	139	--	3	--	119	--	24	4.3	.3
15/27E-05R01	44-00-00	293	--	--	--	240	--	63	29	--
15/27E-32E01	54-10-28	146	--	0	--	120	--	25	5.8	.6
15/27E-34L02	58-01-07	152	--	0	--	125	--	26	8.2	.4
	59-03-24	150	--	0	--	123	--	27	7.5	.5
16/23E-21J01	82-08-13	--	193	--	.0	--	164	42	8.1	.6
	83-03-16	--	190	--	.0	--	131	39	7.9	.7
16/23E-34C01	44-00-00	137	--	--	--	112	--	11	5.0	--
16/23E-34F02	60-10-18	108	--	0	--	89	--	15	3.2	.2
16/24E-01G01	60-01-24	252	--	0	--	207	--	69	19	.6
	62-06-15	253	--	0	--	208	--	70	21	.6
	62-07-12	254	--	0	--	208	--	69	22	.7
	62-08-15	253	--	0	--	208	--	72	20	.7
	62-09-00	253	--	0	--	208	--	73	20	.6
16/24E-01G02	59-11-17	250	--	0	--	205	--	68	19	.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
14/23F-13D01	82-08-13	57	--	198	--	--	<.10
4/23E-26A01D1	82-08-12	53	--	206	--	--	1.4
	83-03-16	51	--	218	--	--	1.5
14/23E-36L02	82-08-12	31	--	228	--	--	1.3
	83-03-16	29	--	233	--	--	1.2
14/25E-01D01	52-08-07	75	265	270	1.1	--	--
	54-10-28	61	229	230	.10	--	--
	59-10-28	59	228	225	1.9	--	--
	70-09-17	56	222	215	.00	--	--
	71-10-08	64	220	238	--	.01	--
14/25E-02C01	82-08-11	65	--	232	--	--	.83
	83-03-16	59	--	241	--	--	.71
14/25E-21B01	53-09-03	70	243	247	2.2	--	--
	54-10-28	69	250	245	1.8	--	--
	58-01-07	--	239	--	2.0	--	--
	59-03-24	67	232	243	2.1	--	--
14/25E-31M01	53-09-03	43	184	186	3.8	--	--
14/27E-24C01	59-03-23	64	316	325	.10	--	--
	59-10-28	63	322	325	.50	--	--
15/23E-03H01	60-10-18	24	181	175	1.5	--	--
15/23E-35J01	82-08-12	35	--	160	--	--	.54
15/23E-35P01	82-08-12	53	--	172	--	--	<.10
	83-03-15	54	--	189	--	--	<.10
15/25E-35J01	82-08-19	62	--	228	--	--	.81
	83-03-15	62	--	238	--	--	.10
15/26E-28D01	69-05-14	54	220	229	.20	--	--
15/27E-05P01	44-00-00	48	448	--	--	--	--
15/27E-32E01	54-10-28	54	231	225	.10	--	--
15/27E-34L02	58-01-07	--	262	--	2.5	--	--
	59-03-24	73	249	256	2.7	--	--
16/23E-21J01	82-08-13	52	--	280	--	--	<.10
	83-03-16	51	--	274	--	--	.36
16/23E-34C01	44-00-00	22	175	--	--	--	--
16/23E-34F02	60-10-18	31	149	146	2.4	--	--
16/24E-01G01	60-01-24	51	384	383	.10	--	--
	62-06-15	49	382	388	.30	--	--
	62-07-12	51	382	390	.20	--	--
	62-08-15	48	382	387	.00	--	--
	62-09-00	48	381	388	.00	--	--
16/24E-01G02	59-11-17	57	380	384	.10	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
14/23E-13D01	82-08-13	--	19	--	24
14/23E-26A01D1	82-08-12	--	<3	--	5
	83-03-16	--	10	--	1
14/23E-36L02	82-08-12	--	7	--	2
	83-03-16	--	4	--	17
14/25E-01D01	52-08-07	220	--	--	--
	54-10-28	160	--	--	--
	59-10-28	<10	--	--	--
	70-09-17	140	--	<20	--
	71-10-08	80	--	90	--
14/25E-02C01	82-08-11	--	<3	--	1
	83-03-16	--	72	--	4
14/25E-21R01	53-09-03	80	--	--	--
	54-10-28	50	--	--	--
	58-01-07	70	--	--	--
	59-03-24	30	--	--	--
14/25E-31M01	53-09-03	80	--	--	--
14/27E-24C01	59-03-23	70	--	--	--
	59-10-28	<10	--	--	--
15/23E-03H01	60-10-18	40	--	--	--
15/23E-35J01	82-08-12	--	8	--	<1
15/23E-35P01	82-08-12	--	<3	--	15
	83-03-15	--	10	--	4
15/25E-35J01	82-08-19	--	<3	--	18
	83-03-15	--	4	--	<1
15/26E-28Q01	69-05-14	60	--	<20	--
15/27E-05P01	44-00-00	--	--	--	--
15/27E-32F01	54-10-28	290	--	--	--
15/27E-34L02	58-01-07	70	--	--	--
	59-03-24	20	--	--	--
16/23E-21J01	82-08-13	--	51	--	45
	83-03-16	--	90	--	46
16/23E-34C01	44-00-00	--	--	--	--
16/23E-34F02	60-10-18	50	--	--	--
16/24E-01G01	60-01-24	260	--	--	--
	62-06-15	230	--	--	--
	62-07-12	100	--	--	--
	62-08-15	100	--	--	--
	62-09-00	130	--	--	--
16/24E-01G02	59-11-17	220	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
16/24F-01G02	46 54 28	119 45 17	01	--	59-12-12	915	--	581	7.9	24.5
				--	62-10-30	915	--	598	7.9	15.6
				--	63-03-28	915	--	584	7.9	23.3
				--	63-06-04	915	--	606	8.0	--
				--	63-07-03	915	--	612	7.9	--
				--	63-08-22	915	--	612	7.8	--
				--	63-09-11	915	--	639	7.9	--
				--	63-10-15	915	--	617	7.9	--
				--	65-03-17	915	--	776	7.7	--
16/24E-04H01	46 54 32	119 48 40	01	122CRRV	82-08-17	811	1230.00	1000	7.6	18.1
				122CRRV	83-03-15	811	1230.00	940	7.3	17.5
16/25E-01Q01	46 53 58	119 37 38	01	122YKIM	82-08-17	907	1030.00	510	7.9	20.9
				122YKIM	83-03-15	907	1030.00	530	7.7	18.3
16/25E-04N01	46 54 07	119 42 03	01	122SDLM	82-08-17	70	1180.00	1100	7.9	--
				122SDLM	83-03-15	70	1180.00	1040	7.6	8.6
16/25E-06M01	46 54 19	119 44 35	01	121CRRV	49-11-21	852	1221.00	575	7.9	--
16/25E-26Q01	46 50 34	119 39 11	01	--	51-08-27	16	--	2000	7.6	--
16/25E-26Q03	46 50 29	119 38 37	01	--	51-06-26	16	--	1750	7.8	--
16/26E-30H01	46 51 00	119 36 11	01	--	51-06-26	20	--	1490	7.6	--
				--	51-08-27	20	--	1560	7.3	--
16/26E-34H01	46 50 06	119 32 19	01	--	51-06-26	25	--	1720	8.2	--
16/27E-10N01	46 53 00	119 25 46	01	122YKIM	82-08-11	250	940.00	750	7.6	17.3
				122YKIM	83-03-11	250	940.00	735	7.4	16.8
17/23E-02B01	46 59 57	119 54 13	01	122WNPM	82-08-19	364	1500.00	440	7.8	16.8
				122WNPM	83-05-16	364	1500.00	340	7.7	16.9
17/23E-23A01D1	46 57 25	119 53 56	01	122CRRV	82-08-19	905	1250.00	950	7.6	25.2
				122CRRV	83-03-16	905	1250.00	960	7.3	23.6
17/24E-04J01	46 59 32	119 48 47	01	121CRRV	57-04-24	320	1267.00	354	7.9	--
17/24E-22L01	46 56 57	119 48 19	01	122WNPM	82-08-18	280	1230.00	653	7.8	16.7
				122WNPM	83-03-15	280	1230.00	640	7.6	16.2
17/25E-11J01	46 58 33	119 38 35	01	--	56-05-18	285	--	706	8.0	--
				--	60-10-18	285	1154.00	432	7.9	16.5
17/25E-11L01	46 58 37	119 39 17	01	--	58-10-23	--	--	612	7.7	--
				--	60-06-07	--	--	471	7.9	--
				--	60-11-07	--	--	424	7.7	--
				--	61-06-08	--	--	420	7.8	--
				--	61-08-12	--	--	396	7.8	15.5
				--	62-06-05	--	--	414	7.3	--
				--	62-10-31	--	--	379	8.0	--
				--	63-05-31	--	--	381	7.8	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
16/24E-01G02	59-12-12	--	199	0	40	24	45	32	1.4	10
	62-10-30	--	199	0	40	24	49	34	1.6	10
	63-03-28	--	199	0	40	24	49	33	1.6	11
	63-06-04	--	216	13	42	27	49	32	1.5	11
	63-07-03	--	209	7	41	26	49	32	1.5	11
	63-08-22	--	211	13	40	27	50	32	1.5	12
	63-09-11	--	221	22	44	27	52	33	1.6	11
	63-10-15	--	215	15	40	28	50	32	1.5	11
	65-03-17	--	297	105	58	37	50	26	1.3	11
16/24E-04H01	82-08-17	--	442	229	73	63	35	14	.7	9.5
	83-03-15	<1	435	242	72	62	36	15	.8	11
16/25E-01D01	82-08-17	--	142	0	32	15	45	38	1.7	12
	83-03-15	<1	200	24	42	23	38	28	1.2	8.6
16/25E-04N01	82-08-17	--	493	347	98	60	24	0	.5	3.3
	83-03-15	<1	490	350	94	62	22	9	.4	3.1
16/25E-06H01	49-11-21	--	204	102	39	26	44	31	1.4	9.0
16/25E-26D01	51-08-27	--	408	0	43	73	320	59	7.0	55
16/25E-26R03	51-06-26	--	291	0	29	53	290	65	7.5	44
16/26E-30H01	51-06-26	--	275	0	49	37	250	64	6.7	24
	51-08-27	--	288	0	46	42	260	64	6.8	27
16/26E-34H01	51-06-26	--	237	0	34	37	320	72	9.2	24
16/27E-10N01	82-08-11	--	304	120	62	36	40	22	1.0	9.1
	83-03-11	<1	278	107	62	30	37	22	1.0	11
17/23E-02R01	82-08-19	--	200	58	37	26	9.9	0	.3	1.7
	83-05-16	--	159	25	29	21	8.6	10	.3	1.5
17/23E-23A01D1	82-08-19	--	234	72	46	29	110	49	3.2	12
	83-03-16	<1	245	77	47	31	110	48	3.1	13
17/24E-04J01	57-04-24	--	138	26	24	19	13	17	.5	.0
17/24E-22L01	82-08-18	--	230	68	49	26	46	30	1.4	6.1
	83-03-15	<1	227	51	48	26	47	30	1.4	5.9
17/25E-11J01	56-05-18	--	307	66	47	46	38	21	1.0	3.0
	60-10-18	--	178	1	30	25	25	23	.8	2.6
17/25E-11L01	58-10-23	--	243	13	38	36	32	22	.9	6.0
	60-06-07	--	188	0	29	28	26	23	.8	3.0
	60-11-07	--	181	1	28	27	24	22	.8	2.0
	61-06-08	--	184	4	29	27	24	22	.8	2.0
	61-08-12	--	177	0	28	26	23	22	.8	2.0
	62-06-05	--	173	1	28	25	23	22	.8	4.0
	62-10-31	--	162	0	27	23	22	23	.8	2.0
	63-05-31	--	174	0	30	24	22	21	.7	3.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
16/24E-01G02	59-12-12	254	--	0	--	208	--	70	18	.8
	62-10-30	254	--	0	--	208	--	72	22	.6
	63-03-28	249	--	0	--	204	--	82	20	.5
	63-06-04	248	--	0	--	203	--	97	18	.6
	63-07-03	246	--	0	--	202	--	95	20	.6
	63-08-22	242	--	0	--	198	--	93	22	.7
	63-09-11	243	--	0	--	199	--	100	26	.7
	63-10-15	244	--	0	--	200	--	95	22	.6
	65-03-17	234	--	0	--	192	--	156	37	.6
16/24E-04H01	82-08-17	--	262	--	.0	--	213	240	29	.5
	83-03-15	--	229	--	.0	--	193	250	31	.5
16/25E-01J01	82-08-17	--	201	--	.0	--	154	70	18	.6
	83-03-15	--	202	--	.0	--	176	72	21	.5
16/25E-04N01	82-08-17	--	180	--	.0	--	146	200	110	.4
	83-03-15	--	168	--	.0	--	140	200	120	.5
16/25E-06M01	49-11-21	124	--	0	--	102	--	72	7.0	.1
16/25E-26Q01	51-08-27	910	--	0	--	746	--	240	110	--
16/25E-26R03	51-06-26	810	--	--	--	664	--	190	83	--
16/26E-30H01	51-06-26	810	--	--	--	664	--	110	53	--
	51-08-27	840	--	--	--	689	--	120	55	--
16/26E-34H01	51-06-26	770	--	11	--	650	--	200	89	--
16/27E-10N01	82-08-11	--	222	--	.0	--	184	150	30	.8
	83-03-11	--	208	--	.0	--	171	120	39	.6
17/23E-02B01	82-08-19	--	169	--	.0	--	142	37	25	.6
	83-05-16	--	166	--	.0	--	134	26	12	.7
17/23E-23A01D1	82-08-19	--	204	--	.0	--	162	270	21	1.0
	83-03-16	--	198	--	.0	--	168	280	22	1.1
17/24E-04J01	57-04-24	137	--	0	--	112	--	35	14	.7
17/24E-22L01	82-08-18	--	206	--	.0	--	162	94	39	.7
	83-03-15	--	204	--	.0	--	176	93	39	.8
17/25E-11J01	56-05-18	294	--	--	--	241	--	128	12	--
	60-10-18	216	--	0	--	177	--	43	6.0	.8
17/25E-11L01	58-10-23	280	--	0	--	230	--	67	14	--
	60-06-07	230	--	0	--	189	--	48	9.4	--
	60-11-07	220	--	0	--	180	--	45	6.4	--
	61-06-08	220	--	0	--	180	--	46	5.3	--
	61-08-12	220	--	0	--	180	--	41	4.6	--
	62-06-05	210	--	0	--	172	--	38	5.7	--
	62-10-31	210	--	0	--	172	--	35	5.0	--
	63-05-31	220	--	0	--	180	--	35	7.1	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
16/24E-01G02	59-12-12	50	366	383	.20	--	--
	62-10-30	48	388	390	.00	--	--
	63-03-28	48	393	397	.40	--	--
	63-06-04	45	406	412	.30	--	--
	63-07-03	48	410	412	.40	--	--
	63-08-22	49	412	413	.80	--	--
	63-09-11	52	434	432	.70	--	--
	63-10-15	48	414	415	.20	--	--
	65-03-17	43	526	508	5.4	--	--
16/24E-04H01	82-08-17	54	--	653	--	--	4.8
	83-03-15	56	--	631	--	--	5.2
16/25E-01Q01	82-08-17	50	--	342	--	--	.31
	83-03-15	53	--	357	--	--	2.4
16/25E-04N01	82-08-17	37	--	622	--	--	14
	83-03-15	39	--	624	--	--	10
16/25E-06M01	49-11-21	--	378	--	--	--	--
16/25E-26Q01	51-08-27	--	--	--	.00	--	--
16/25E-26R03	51-06-26	--	--	--	--	--	--
16/26E-30H01	51-06-26	--	--	--	--	--	--
	51-08-27	--	--	--	--	--	--
16/26F-34H01	51-06-26	--	--	--	--	--	--
16/27E-10N01	82-03-11	60	--	498	--	--	7.0
	83-03-11	66	--	468	--	--	6.4
17/23E-02B01	82-08-19	61	--	282	--	--	2.4
	83-05-16	60	--	240	--	--	.99
17/23E-23A01D1	82-08-19	71	--	661	--	--	.11
	83-03-16	72	--	674	--	--	.10
17/24E-04J01	57-04-24	--	234	--	3.7	--	--
17/24E-22L01	82-08-18	52	--	414	--	--	3.6
	83-03-15	52	--	412	--	--	3.7
17/25E-11J01	56-05-18	--	--	--	1.9	--	--
	60-10-18	51	284	290	.70	--	--
17/25E-11L01	58-10-23	--	--	--	.00	--	--
	60-06-07	--	--	--	.00	--	--
	60-11-07	--	--	--	.60	--	--
	61-06-08	--	--	--	.00	--	--
	61-08-12	--	--	--	.00	--	--
	62-06-05	--	--	--	.00	--	--
	62-10-31	--	--	--	.00	--	--
	63-05-31	--	--	--	.00	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
16/24E-01G02	59-12-12	220	--	--	--
	62-10-30	70	--	--	--
	63-03-28	40	--	--	--
	63-06-04	160	--	--	--
	63-07-03	150	--	--	--
	63-08-22	90	--	--	--
	63-09-11	170	--	--	--
	63-10-15	50	--	--	--
	65-03-17	170	--	<50	--
16/24E-04H01	82-08-17	--	13	--	6
	83-03-15	--	16	--	5
16/25E-01001	82-08-17	--	<3	--	3
	83-03-15	--	<3	--	3
16/25E-04N01	82-08-17	--	11	--	24
	83-03-15	--	6	--	<1
16/25E-06M01	49-11-21	--	--	--	--
16/25E-26Q01	51-08-27	--	--	--	--
16/25E-26R03	51-06-26	--	--	--	--
16/26E-30H01	51-06-26	--	--	--	--
	51-08-27	--	--	--	--
16/26E-34H01	51-06-26	--	--	--	--
16/27E-10N01	82-08-11	--	13	--	3
	83-03-11	--	18	--	2
17/23E-02B01	82-08-19	--	10	--	5
	83-05-16	--	15	--	1
17/23E-23A01D1	82-08-19	--	5	--	31
	83-03-16	--	14	--	2
17/24E-04J01	57-04-24	--	50	--	--
17/24E-22L01	82-08-18	--	3	--	21
	83-03-15	--	4	--	<1
17/25E-11J01	56-05-18	--	--	--	--
	60-10-18	20	--	--	--
17/25E-11L01	58-10-23	--	--	--	--
	60-06-07	--	--	--	--
	60-11-07	--	--	--	--
	61-06-08	--	--	--	--
	61-08-12	--	--	--	--
	62-06-05	--	--	--	--
	62-10-31	--	--	--	--
	63-05-31	--	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
17/25E-11L01	46 58 37	119 39 17	01	--	63-10-10	--	--	368	8.0	--
17/25E-23K01	46 58 35	119 38 55	01	--	55-07-00	957	--	615	8.2	--
				--	56-02-00	957	1227.00	397	8.3	--
				--	57-03-18	957	--	426	7.7	--
17/25E-31N01	46 54 55	119 37 00	01	121CRRV	70-12-03	110	--	1029	8.0	12.8
17/26E-18H01	46 58 03	119 36 00	01	122WNPM	82-08-18	310	1187.30	790	7.4	16.7
17/26E-28D01	46 55 45	119 33 53	01	--	42-04-27	404	--	514	--	14.5
17/26E-33D01	46 55 40	119 38 42	01	--	61-05-04	340	1148.00	535	7.8	14.5
17/27E-10M01	46 58 35	119 25 33	01	--	56-05-10	40	--	532	7.4	--
				--	57-05-20	40	1099.00	515	8.1	--
				--	58-10-23	40	--	557	8.0	--
				--	59-05-07	40	--	535	8.1	--
				--	59-11-18	40	--	536	8.1	--
				--	60-06-07	40	--	588	7.8	--
				--	60-11-07	40	--	549	8.2	--
				--	61-06-08	40	--	531	7.9	--
				--	61-10-12	40	--	530	7.7	15.5
				--	62-06-05	40	--	472	7.6	--
				--	62-10-31	40	--	497	7.7	--
				--	63-05-31	40	--	552	7.8	--
				--	63-10-10	40	--	520	7.8	--
17/27E-31D01	46 55 33	119 29 20	01	122CRRV	51-03-00	810	1169.00	601	8.2	--
				122CRRV	71-09-24	810	1169.50	594	7.7	19.4
				122CRRV	82-08-18	810	1169.50	580	7.8	20.9
				122CRRV	83-03-11	810	1169.50	495	7.5	17.5
17/28E-12D01	46 58 53	119 15 10	01	--	51-04-25	270	--	483	7.9	--
17/29E-24C01	46 57 17	119 07 23	01	122WNPM	82-08-11	210	1270.00	590	7.8	16.6
17/30E-10N01	46 58 13	119 02 30	01	--	44-00-00	499	1279.00	--	--	--
17/30E-33K01	46 55 01	119 03 14	01	122CRRV	59-10-28	1002	1344.00	321	8.4	22.0
				122CRRV	62-10-30	1002	1344.00	322	8.2	22.2
				122CRRV	63-04-09	1002	1344.00	313	8.4	18.9
				122CRRV	63-06-04	1002	1344.00	490	8.7	--
				122CRRV	63-07-03	1002	1344.00	316	8.4	--
				122CRRV	63-08-27	1002	1344.00	313	8.1	--
				122CRRV	63-09-13	1002	1344.00	314	8.5	--
				122CRRV	63-10-16	1002	1344.00	312	8.2	--
				122CRRV	65-03-17	1002	1344.00	357	8.0	--
				122CRRV	82-08-11	1002	1344.00	700	7.4	21.7
				122CRRV	83-03-16	1002	1344.00	676	7.7	16.3
17/30E-33K02	46 55 02	119 03 14	01	121CRRV	60-01-24	981	1344.00	317	8.4	23.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
17/25E-11L01	63-10-10	--	164	0	26	24	22	22	.8	4.0
17/25E-23K01	55-07-00	--	156	0	36	16	74	49	2.7	8.2
	56-02-00	--	163	25	34	19	17	18	.6	6.6
	57-03-18	--	164	30	36	18	18	19	.6	5.5
17/25E-31N01	70-12-03	--	535	257	69	88	18	7	.3	.9
17/26E-18H01	82-08-18	--	264	13	48	35	72	36	2.0	8.9
17/26E-28Q01	42-04-27	--	154	5	32	18	43	35	1.5	13
17/26E-33D01	61-05-04	--	199	85	45	21	29	23	.9	6.0
17/27E-10M01	56-05-10	--	225	13	29	37	29	22	.9	2.7
	57-05-20	--	230	16	31	37	30	22	.9	2.3
	58-10-23	--	228	15	32	36	30	22	.9	3.2
	59-05-07	--	235	22	33	37	28	20	.8	3.2
	59-11-18	--	228	15	32	36	31	23	.9	2.4
	60-06-07	--	240	27	35	37	28	20	.8	3.2
	60-11-07	--	236	23	35	36	28	20	.8	2.4
	61-06-08	--	230	17	31	37	26	19	.8	4.7
	61-10-12	--	229	16	34	35	28	21	.8	3.0
	62-06-05	--	227	14	33	35	27	20	.8	4.0
	62-10-31	--	221	16	34	33	31	23	.9	4.0
	63-05-31	--	237	40	39	34	29	21	.8	3.0
	63-10-10	--	227	22	33	35	27	20	.8	3.0
17/27E-31D01	51-03-00	--	166	0	35	19	56	40	1.9	16
	71-09-24	--	180	0	39	20	46	34	1.5	12
	82-08-18	--	167	0	37	18	46	35	1.6	13
	83-03-11	<1	177	13	38	20	36	29	1.2	8.7
17/29E-12D01	51-04-25	--	161	0	33	19	38	33	1.3	8.0
17/29E-24C01	82-08-11	--	94	0	13	15	86	64	3.9	7.4
17/30E-10N01	44-00-00	--	80	0	17	9.0	31	--	1.6	--
17/30E-33K01	59-10-28	--	29	0	8.0	2.1	57	75	4.8	10
	62-10-30	--	29	0	8.5	2.0	59	75	4.9	10
	63-04-09	--	29	0	9.5	1.4	57	75	4.8	9.8
	63-06-04	--	28	0	8.0	1.9	97	84	8.3	9.8
	63-07-03	--	30	0	9.0	1.9	58	75	4.8	9.8
	63-08-27	--	29	0	8.5	1.9	58	75	4.9	10
	63-09-13	--	29	0	8.5	1.9	57	75	4.8	9.3
	63-10-16	--	31	0	9.0	2.0	57	74	4.7	10
	65-03-17	--	60	0	12	7.3	55	63	3.2	8.3
	82-08-11	--	181	0	33	24	68	43	2.3	11
	83-03-16	--	203	0	35	28	67	41	2.1	8.6
17/30E-33K02	60-01-24	--	29	0	8.5	1.9	57	75	4.8	9.9

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				GRANT						
17/25E-11L01	63-10-10	210	--	0	--	172	--	33	7.1	--
17/25E-23K01	55-07-00	203	--	--	--	167	--	132	15	.9
	56-02-00	168	--	--	--	138	--	56	13	.5
	57-03-18	163	--	0	--	134	--	62	13	.5
17/25E-31N01	70-12-03	339	--	0	--	278	--	188	46	.8
17/26E-18H01	82-08-18	--	315	--	.0	--	251	120	37	.6
17/26E-28D01	42-04-27	182	--	0	--	149	--	55	40	.5
17/26E-33D01	61-05-04	139	--	0	--	114	--	79	34	.5
17/27E-10M01	56-05-10	259	--	--	--	212	--	52	3.5	--
	57-05-20	261	--	--	--	214	--	54	7.8	--
	58-10-23	250	--	0	--	213	--	58	5.3	--
	59-05-07	250	--	--	--	213	--	59	4.6	--
	59-11-18	250	--	0	--	213	--	55	4.6	--
	60-06-07	250	--	0	--	213	--	52	7.8	--
	60-11-07	250	--	0	--	213	--	50	6.8	--
	61-06-08	250	--	0	--	213	--	50	3.9	--
	61-10-12	250	--	0	--	213	--	51	2.5	--
	62-06-05	250	--	0	--	213	--	51	3.2	--
	62-10-31	250	--	0	--	205	--	50	4.6	--
	63-05-31	240	--	0	--	197	--	51	8.9	--
	63-10-10	250	--	0	--	205	--	50	2.5	--
17/27E-31D01	51-03-00	209	--	0	--	171	--	56	53	.5
	71-09-24	224	--	0	--	184	--	68	38	.6
	82-08-18	--	211	--	.0	--	172	57	34	.5
	83-03-11	--	194	--	.0	--	164	68	16	.6
17/28E-12D01	51-04-25	210	--	0	--	172	--	43	24	.7
17/29E-24C01	82-08-11	--	226	--	.0	--	182	67	22	.5
17/30E-10N01	44-00-00	165	--	--	--	135	--	11	10	--
17/30E-33K01	59-10-28	152	--	4	--	140	--	15	7.2	1.2
	62-10-30	172	--	0	--	141	--	14	8.0	1.2
	63-04-09	151	--	4	--	139	--	14	7.8	1.1
	63-06-04	162	--	12	--	153	--	14	53	1.7
	63-07-03	160	--	5	--	140	--	14	7.5	1.2
	63-08-27	167	--	0	--	137	--	14	7.2	1.2
	63-09-13	156	--	6	--	138	--	14	8.0	1.2
	63-10-16	169	--	0	--	139	--	14	6.8	1.2
	65-03-17	178	--	0	--	146	--	23	10	.9
	82-08-11	--	214	--	.0	--	182	54	26	.5
	83-03-16	--	247	--	.0	--	207	45	18	.5
17/30E-33K02	60-01-24	151	--	5	--	140	--	15	6.5	1.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
17/25E-11L01	63-10-10	--	--	--	.00	--	--
17/25E-23K01	55-07-00	--	--	412	--	--	--
	56-02-00	--	316	--	.80	--	--
	57-03-18	--	302	--	3.7	--	--
17/25E-31N01	70-12-03	44	707	622	45	--	--
17/26E-18H01	82-08-18	55	--	532	--	--	<.10
17/26E-28Q01	42-04-27	42	337	333	.30	--	--
17/26E-33D01	61-05-04	56	381	339	22	--	--
17/27E-10M01	56-05-10	--	--	--	19	--	--
	57-05-20	--	--	--	20	--	--
	58-10-23	--	--	--	22	--	--
	59-05-07	--	--	--	18	--	--
	59-11-18	--	--	--	24	--	--
	60-06-07	--	--	--	36	--	--
	60-11-07	--	--	--	26	--	--
	61-06-08	--	--	--	23	--	--
	61-10-12	--	--	--	19	--	--
	62-06-05	--	--	--	19	--	--
	62-10-31	--	--	--	20	--	--
	63-05-31	--	--	--	40	--	--
	63-10-10	--	--	--	25	--	--
17/27E-31D01	51-03-00	--	--	394	.00	--	--
	71-09-24	62	396	396	--	2.6	--
	82-08-18	56	--	356	--	--	1.5
	83-03-11	57	--	340	--	--	2.1
17/28E-12D01	51-04-25	--	--	--	.06	--	--
17/29E-24C01	82-08-11	47	--	369	--	--	5.5
17/30E-10N01	44-00-00	55	269	214	--	--	--
17/30E-33K01	59-10-28	78	264	266	.10	--	--
	62-10-30	76	264	263	.00	--	--
	63-04-09	79	272	267	.00	--	--
	63-06-04	75	359	354	.30	--	--
	63-07-03	74	260	264	.10	--	--
	63-08-27	68	256	251	.20	--	--
	63-09-13	79	258	268	.00	--	--
	63-10-16	78	259	261	.00	--	--
	65-03-17	58	266	262	.50	--	--
	82-08-11	44	--	366	--	--	23
	83-03-16	44	--	368	--	--	21
17/30E-33K02	60-01-24	79	270	268	.10	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
17/25E-11L01	63-10-10	--	--	--	--
17/25E-23K01	55-07-00	--	--	--	--
	56-02-00	--	20	--	--
	57-03-18	--	50	--	--
17/25E-31N01	70-12-03	70	--	<20	--
17/26E-18H01	82-08-18	--	140	--	160
17/26E-28Q01	42-04-27	440	--	--	--
17/26E-33D01	61-05-04	10	--	--	--
17/27E-10M01	56-05-10	--	--	--	--
	57-05-20	--	--	--	--
	58-10-23	--	--	--	--
	59-05-07	--	--	--	--
	59-11-18	--	--	--	--
	60-06-07	--	--	--	--
	60-11-07	--	--	--	--
	61-06-08	--	--	--	--
	61-10-12	--	--	--	--
	62-06-05	--	--	--	--
	62-10-31	--	--	--	--
	63-05-31	--	--	--	--
	63-10-10	--	--	--	--
17/27E-31D01	51-03-00	--	--	--	--
	71-09-24	40	--	<20	--
	82-08-18	--	4	--	93
	83-03-11	--	6	--	2
17/28E-12D01	51-04-25	--	--	--	--
17/29E-24C01	82-08-11	--	<3	--	3
17/30E-10N01	44-00-00	--	100	--	--
17/30E-33K01	59-10-28	150	--	--	--
	62-10-30	80	30	--	--
	63-04-09	<10	<10	--	--
	63-06-04	30	30	--	--
	63-07-03	20	20	--	--
	63-08-27	40	30	--	--
	63-09-13	30	20	--	--
	63-10-16	20	10	--	--
	65-03-17	50	--	<50	--
	82-08-11	--	16	--	150
	83-03-16	--	14	--	69
17/30E-33K02	60-01-24	450	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
17/30E-33K02	46 55 02	119 03 14	01	121CRRV	62-06-15	981	--	318	8.4	--
				121CRRV	62-07-12	981	--	319	8.4	--
				121CRRV	62-08-14	981	--	314	8.3	--
				121CRRV	62-09-04	981	--	319	8.4	--
18/23E-36H01	47 00 30	119 52 36	01	122GORD	50-05-08	669	1302.30	438	--	--
				122GORD	55-01-31	669	1302.30	445	7.8	--
				122GORD	60-10-18	669	1302.00	462	7.8	15.5
				122GORD	82-08-19	669	1302.30	545	7.6	15.4
18/24E-04D02	47 05 06	119 49 42	01	122WNPM	82-08-16	280	1200.00	455	7.8	16.0
				122WNPM	83-05-16	280	1200.00	389	7.7	17.1
18/24E-06H01	47 01 57	119 51 27	01	--	55-01-00	330	--	445	7.8	--
18/25E-04A01	47 05 21	119 41 05	01	--	56-05-10	126	--	914	7.5	--
				--	57-05-20	126	1196.00	914	8.0	--
				--	58-10-23	126	--	912	7.8	--
				--	59-05-07	126	--	851	8.5	--
				--	59-11-18	126	--	787	8.4	--
				--	60-06-07	126	--	771	7.8	--
				--	60-11-07	126	--	712	8.5	--
				--	61-06-08	126	--	700	8.5	--
				--	61-10-12	126	--	764	8.0	8.5
				--	62-06-05	126	--	606	7.5	--
				--	62-10-31	126	--	652	7.7	--
				--	63-05-31	126	--	575	7.8	--
				--	63-10-10	126	--	756	7.7	--
18/25E-05F01	47 04 54	119 42 56	01	121CRRV	70-10-03	193	1179.00	439	7.9	16.6
18/25E-08B01	47 04 20	119 42 53	01	--	16-09-08	134	--	--	--	--
18/25E-08C01	47 04 18	119 43 05	01	112GLCV	83-05-18	120	1165.00	750	7.8	13.9
18/25E-15E01D1	47 03 08	119 40 54	02	122GORD	78-02-17	1610	1157.00	330	7.0	25.6
18/26E-28F01	47 01 30	119 34 10	01	--	58-10-23	--	--	890	7.2	--
				--	59-11-18	--	--	691	7.4	--
				--	60-06-07	--	--	660	7.5	--
				--	60-11-07	--	--	617	7.3	--
				--	61-06-08	--	--	587	7.4	--
				--	61-10-12	--	--	575	7.6	15.0
				--	62-06-05	--	--	472	7.3	--
				--	62-10-31	--	--	492	7.5	--
				--	63-05-31	--	--	436	7.5	--
				--	63-10-10	--	--	441	7.7	--
18/26E-32C01	47 00 49	119 35 21	01	122WNPM	82-08-17	450	1130.00	580	7.6	20.1
				122WNPM	83-05-20	450	1130.00	540	7.6	20.4
18/26E-34K01	47 00 18	119 32 35	01	112GLCV	83-05-18	66	1125.00	815	7.8	21.1

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
17/30E-33K02	62-06-15	--	28	0	8.5	1.7	58	75	4.9	10
	62-07-12	--	29	0	8.5	1.8	58	75	4.9	10
	62-08-14	--	29	0	8.5	1.8	58	75	4.9	11
	62-09-04	--	28	0	8.5	1.6	59	76	5.1	10
18/23E-36H01	50-05-08	--	170	0	32	22	30	27	1.0	6.6
	55-01-31	--	200	79	39	25	9.9	0	.3	2.3
	60-10-18	--	208	69	42	25	14	13	.4	2.4
	82-08-19	--	253	55	50	31	13	0	.4	2.3
18/24E-04J02	82-08-16	--	197	37	41	23	15	14	.5	2.9
	83-05-16	--	159	25	34	18	16	18	.6	2.7
18/24E-06H01	55-01-00	--	200	79	39	25	9.9	0	.3	2.3
18/25E-04A01	56-05-10	--	438	274	98	47	19	8	.4	6.0
	57-05-20	--	415	255	87	48	18	8	.4	6.3
	58-10-23	--	435	214	100	45	20	9	.4	11
	59-05-07	--	410	229	90	45	21	0	.5	7.0
	59-11-18	--	374	218	79	43	21	11	.5	7.0
	60-06-07	--	375	186	86	39	22	11	.5	3.0
	60-11-07	--	328	221	57	45	20	11	.5	7.0
	61-06-08	--	322	182	63	40	22	13	.5	6.0
	61-10-12	--	384	187	88	40	17	9	.4	6.0
	62-06-05	--	279	90	54	35	26	17	.7	5.0
	62-10-31	--	306	101	60	38	24	14	.6	4.0
	63-05-31	--	270	81	52	34	24	16	.7	6.0
	63-10-10	--	395	223	89	42	16	8	.4	6.0
18/25E-05E01	70-10-03	--	190	60	38	23	14	14	.5	2.4
18/25E-08B01	16-09-08	--	1225	744	239	153	--	--	--	--
18/25E-08C01	83-05-18	--	312	86	72	32	42	22	1.1	4.5
18/25E-15E01J1	78-02-17	--	68	0	16	6.7	50	59	2.7	6.6
18/26E-28E01	58-10-23	--	222	0	46	26	24	17	.7	21
	59-11-18	--	220	0	47	25	23	17	.7	18
	60-06-07	--	211	0	45	24	22	17	.7	17
	60-11-07	--	205	0	41	25	22	17	.7	17
	61-06-08	--	204	0	39	26	22	17	.7	18
	61-10-12	--	198	0	43	22	23	19	.7	16
	62-06-05	--	188	0	39	22	23	19	.7	19
	62-10-31	--	177	0	38	20	23	20	.8	17
	63-05-31	--	173	0	38	19	23	21	.8	16
	63-10-10	--	--	--	--	20	24	1	--	16
18/26E-32C01	82-08-17	--	220	3	45	26	30	22	.9	8.3
	83-05-20	--	226	2	46	27	31	22	.9	8.0
18/26E-34K01	83-05-18	<1	276	86	56	33	48	26	1.3	12

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				GRANT						
17/30E-33K02	62-06-15	152	--	4	--	139	--	13	6.5	1.3
	62-07-12	154	--	3	--	139	--	13	8.5	1.2
	62-08-14	156	--	2	--	139	--	13	7.2	1.2
	62-09-04	152	--	4	--	140	--	14	8.2	1.1
18/23E-36H01	50-05-08	220	--	0	--	180	--	43	13	.6
	55-01-31	148	--	--	--	121	--	35	35	.6
	60-10-18	170	--	0	--	139	--	35	33	.7
	82-08-19	--	256	--	.0	--	198	40	14	.5
18/24E-04D02	82-08-16	--	196	--	.0	--	160	35	13	.5
	83-05-16	--	166	--	.0	--	134	25	14	.5
18/24E-06H01	55-01-00	148	--	0	--	121	--	35	35	.6
18/25E-04A01	56-05-10	200	--	0	--	164	--	230	14	--
	57-05-20	195	--	--	--	160	--	216	11	--
	58-10-23	270	--	0	--	221	--	220	15	--
	59-05-07	190	--	15	--	181	--	220	12	--
	59-11-18	190	--	0	--	156	--	200	12	--
	60-06-07	230	--	0	--	189	--	180	11	--
	60-11-07	110	--	10	--	107	--	220	12	--
	61-06-08	150	--	10	--	140	--	180	12	--
	61-10-12	240	--	0	--	197	--	170	11	--
	62-06-05	230	--	0	--	189	--	140	8.5	--
	62-10-31	250	--	0	--	205	--	150	7.4	--
	63-05-31	230	--	0	--	189	--	120	7.4	--
	63-10-10	210	--	0	--	172	--	170	16	--
18/25E-05F01	70-10-03	159	--	0	--	130	--	50	13	.6
18/25E-08B01	16-09-08	586	--	0	--	481	--	811	14	--
18/25E-08C01	83-05-18	--	281	--	.0	--	226	110	21	.5
18/25E-15E01D1	78-02-17	160	--	0	--	130	--	25	11	1.2
18/26E-28F01	58-10-23	523	--	0	--	429	--	1.4	9.0	--
	59-11-18	320	--	0	--	262	--	4.0	9.6	--
	60-06-07	410	--	0	--	336	--	3.0	8.5	--
	60-11-07	390	--	0	--	320	--	13	8.8	--
	61-06-08	370	--	0	--	303	--	3.4	8.5	--
	61-10-12	360	--	0	--	295	--	2.4	8.5	--
	62-06-05	320	--	0	--	262	--	7.2	9.2	--
	62-10-31	300	--	0	--	246	--	5.8	9.2	--
	63-05-31	290	--	0	--	230	--	3.4	11	--
	63-10-10	270	--	0	--	221	--	4.8	9.2	--
18/26E-32C01	82-08-17	--	278	--	.0	--	217	33	18	.4
	83-05-20	--	279	--	.0	--	224	37	21	.4
18/26E-34K01	83-05-18	--	244	--	.0	--	190	41	120	.4

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
17/30E-33K02	62-06-15	79	263	266	.10	--	--
	62-07-12	77	263	265	.10	--	--
	62-08-14	76	258	262	.10	--	--
	62-09-04	77	262	267	.00	--	--
18/23E-36H01	50-05-08	--	--	314	.40	--	--
	55-01-31	--	--	262	12	--	--
	60-10-18	55	314	291	11	--	--
	82-08-19	58	--	335	--	--	4.1
18/24E-04D02	82-09-16	54	--	281	--	--	4.4
	83-05-16	52	--	244	--	--	5.1
18/24E-06H01	55-01-00	--	--	262	12	--	--
18/25E-04A01	56-05-10	--	--	--	70	--	--
	57-05-20	--	--	--	66	--	--
	58-10-23	--	--	--	43	--	--
	59-05-07	--	--	--	47	--	--
	59-11-18	--	--	--	47	--	--
	60-06-07	--	--	--	39	--	--
	60-11-07	--	--	--	39	--	--
	61-05-08	--	--	--	42	--	--
	61-10-12	--	--	--	39	--	--
	62-06-05	--	--	--	.00	--	--
	62-10-31	--	--	--	.00	--	--
	63-05-31	--	--	--	.00	--	--
	63-10-10	--	--	--	49	--	--
18/25E-05F01	70-10-03	54	307	273	23	--	--
18/25E-08B01	56-09-08	71	1740	1220	6.0	--	--
18/25E-08C01	83-05-18	44	--	464	--	--	8.3
18/25E-15E01D1	78-02-17	67	251	262	--	<.10	--
18/26E-28F01	58-10-23	--	--	--	.00	--	--
	59-11-18	--	--	--	.00	--	--
	60-06-07	--	--	--	.00	--	--
	60-11-07	--	--	--	2.5	--	--
	61-05-08	--	--	--	.00	--	--
	61-10-12	--	--	--	.00	--	--
	62-06-05	--	--	--	3.1	--	--
	62-10-31	--	--	--	1.8	--	--
	63-05-31	--	--	--	7.4	--	--
	63-10-10	--	--	--	--	--	--
18/26E-33C01	82-08-17	62	--	360	--	--	2.6
	83-05-20	60	--	368	--	--	3.2
18/26E-34K01	83-05-18	57	--	488	--	--	<.10

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
17/30E-33K02	62-06-15	40	--	--	--
	62-07-12	20	--	--	--
	62-08-14	30	--	--	--
	62-09-04	10	--	--	--
18/23E-36H01	50-05-08	--	--	--	--
	55-01-31	--	--	--	--
	60-10-18	10	--	--	--
	82-08-19	--	<3	--	8
18/24E-04D02	82-09-16	--	<3	--	<1
	83-05-16	--	<3	--	2
18/24E-06H01	55-01-00	--	--	--	--
18/25E-04A01	56-05-10	--	--	--	--
	57-05-20	--	--	--	--
	58-10-23	--	--	--	--
	59-05-07	--	--	--	--
	59-11-18	--	--	--	--
	60-06-07	--	--	--	--
	60-11-07	--	--	--	--
	61-06-08	--	--	--	--
	61-10-12	--	--	--	--
	62-06-05	--	--	--	--
	62-10-31	--	--	--	--
	63-05-31	--	--	--	--
	63-10-10	--	--	--	--
18/25E-05F01	70-10-03	40	--	<20	--
18/25E-08B01	16-09-08	--	--	--	--
18/25E-08C01	83-05-18	--	<3	--	1
18/25E-15E01D1	78-02-17	100	--	<10	--
18/26E-28F01	58-10-23	--	--	--	--
	59-11-18	--	--	--	--
	60-06-07	--	--	--	--
	60-11-07	--	--	--	--
	61-06-08	--	--	--	--
	61-10-12	--	--	--	--
	62-06-05	--	--	--	--
	62-10-31	--	--	--	--
	63-05-31	--	--	--	--
	63-10-10	--	--	--	--
18/26E-32C01	82-08-17	--	<3	--	9
	83-05-20	--	<3	--	<1
18/26E-34K01	83-05-18	--	59	--	97

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
18/27E-04R01	47 04 36	119 25 40	01	--	16-10-08	18	--	--	--	--
18/28E-03A01	47 05 13	119 16 19	01	--	60-10-18	126	1142.00	612	7.8	15.5
18/28E-26E01	47 01 20	119 16 19	01	122CRRV	82-08-12	801	1110.00	432	8.5	22.6
				122CRRV	83-05-17	801	1110.00	440	8.4	21.8
18/28E-34R01	47 00 04	119 16 49	01	--	47-07-29	268	--	547	7.9	--
18/28E-36D01	47 00 46	119 15 22	01	--	52-02-00	218	1133.00	508	8.3	--
				--	56-05-10	218	--	491	7.6	--
				--	57-05-20	218	--	508	7.9	--
				--	58-10-23	218	--	513	8.1	--
				--	59-05-07	218	--	529	8.3	--
				--	59-11-18	218	--	520	8.1	--
				--	60-06-07	218	--	548	8.1	--
				--	60-11-07	218	--	546	8.2	--
				--	61-06-08	218	--	518	8.1	--
				--	61-10-12	218	--	540	8.2	15.5
				--	62-06-05	218	--	486	7.7	--
				--	62-10-31	218	--	512	8.0	--
				--	63-05-31	218	--	498	8.2	--
				--	63-10-10	218	--	528	7.5	--
18/29E-01A01D1	47 05 02	119 06 39	01	122CRRV	83-05-18	865	1270.00	460	7.9	16.0
18/29E-02A01	47 05 10	119 07 52	01	122WNPM	82-08-13	270	1250.00	398	7.7	14.7
				122WNPM	83-03-17	270	1250.00	415	7.8	13.4
18/29E-17P01	47 02 37	119 12 19	01	121CRRV	52-02-00	342	1170.00	380	8.7	--
				121CRRV	60-10-19	342	--	437	7.9	15.0
				121CRRV	61-05-03	342	--	745	7.9	15.5
18/30E-16P01	47 02 34	119 02 42	01	122WNPM	53-11-00	185	1206.30	376	7.5	--
				122WNPM	82-08-12	185	1206.30	1100	7.7	14.9
				122WNPM	83-03-18	185	1206.30	1090	7.6	14.8
19/23E-12P01	47 08 26	119 52 33	01	--	70-12-03	135	--	514	7.8	14.4
19/23E-22D01S	47 07 48	119 56 13	01	--	16-09-16	--	--	--	--	--
19/23E-22M01	47 07 22	119 56 08	01	122WNPM	82-08-16	111	1276.00	610	7.8	15.5
				122WNPM	83-03-16	111	1276.00	575	7.8	14.5
19/24E-07J01	47 09 13	119 51 17	01	--	16-08-31	502	1256.00	--	--	--
				--	50-05-00	502	--	403	8.0	--
				--	60-10-18	502	--	394	8.1	15.5
19/24E-19A01	47 07 55	119 51 12	01	--	61-05-04	112	--	531	7.9	13.0
19/24E-28N01	47 06 19	119 49 44	01	--	50-05-01	210	1225.00	340	7.9	--
19/25E-02M01	47 09 48	119 39 34	01	--	42-04-23	100	1157.00	294	--	15.0
19/25E-08A01	47 09 30	119 42 12	01	122CRRV	82-08-17	722	1225.00	435	7.9	21.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
					GRANT					
18/27E-04J01	56-10-06	--	224	0	47	26	--	--	--	--
18/28E-03A01	60-10-18	--	283	93	54	36	20	13	.5	3.3
19/28E-26F01	82-08-12	--	17	0	4.1	1.7	84	84	9.1	13
	83-05-17	--	18	0	4.2	1.9	84	84	8.8	12
18/28E-34J01	47-07-29	--	219	0	48	24	41	--	1.2	--
18/29E-36D01	52-02-00	--	194	25	38	24	23	20	.7	4.7
	56-05-10	--	194	46	38	24	24	21	.8	3.9
	57-05-20	--	214	66	41	27	25	20	.8	4.3
	58-10-23	--	201	62	41	24	24	20	.8	7.0
	59-05-07	--	210	75	43	25	24	19	.7	5.0
	59-11-18	--	212	81	42	26	23	19	.7	5.0
	60-06-07	--	210	79	43	25	21	18	.6	4.0
	60-11-07	--	217	94	44	26	22	18	.7	4.0
	61-06-08	--	293	162	43	45	22	14	.6	4.0
	61-10-12	--	225	94	44	28	21	17	.6	3.0
	62-06-05	--	215	92	45	25	20	16	.6	5.0
	62-10-31	--	218	95	46	25	20	16	.6	5.0
	63-05-31	--	216	85	42	27	22	18	.7	5.0
	63-10-10	--	224	109	45	27	21	17	.6	6.0
18/29E-01A01D1	83-05-18	--	128	0	25	16	47	43	1.9	5.8
18/29E-02A01	82-08-13	--	66	0	11	9.3	60	65	3.3	2.6
	83-03-17	<1	69	0	11	10	67	67	3.6	3.0
18/29E-17P01	52-02-00	--	103	0	18	14	36	40	1.6	11
	60-10-19	--	272	124	53	34	28	18	.8	3.5
	61-05-03	--	306	175	63	36	29	17	.7	3.5
18/30E-16J01	53-11-00	--	121	0	22	16	33	37	1.3	2.7
	82-08-12	--	450	300	89	55	44	17	.9	4.5
	83-03-18	<1	460	320	87	59	46	18	1.0	4.2
19/23E-12J01	70-12-03	--	220	72	37	31	16	13	.5	4.3
19/23E-22D01S	16-09-16	--	159	6	34	18	--	--	--	--
19/23E-22M01	82-08-16	--	294	60	55	38	10	7	.3	2.4
	83-03-16	<1	289	52	53	38	10	7	.3	2.4
19/24E-07J01	16-08-31	--	175	0	34	22	--	--	--	--
	50-05-00	--	142	0	27	18	32	32	1.2	5.9
	60-10-14	--	180	36	31	25	11	12	.4	2.7
19/24E-19A01	61-05-04	--	224	66	50	24	21	17	.6	2.3
19/24E-28N01	50-05-01	--	151	6	29	19	12	14	.4	3.5
19/25E-02M01	43-04-23	--	125	0	27	14	17	23	.7	1.3
19/25E-08A01	82-08-17	--	144	26	28	18	29	29	1.1	6.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
18/27E-04R01	16-10-08	359	--	0	--	294	--	9.1	10	--
18/28E-03A01	60-10-18	232	--	0	--	190	--	62	32	.5
18/28E-26F01	82-08-12	--	192	--	.0	--	159	37	18	1.7
	83-05-17	--	193	--	.0	--	156	35	16	1.8
18/28E-34R01	47-07-29	297	--	14	--	267	--	14	14	--
18/28E-36D01	52-02-00	206	--	0	--	169	--	33	16	.6
	56-05-10	181	--	--	--	148	--	35	13	--
	57-05-20	181	--	--	--	148	--	35	17	--
	58-10-23	170	--	0	--	139	--	39	26	--
	59-05-07	150	--	7	--	135	--	46	27	--
	59-11-18	150	--	0	--	131	--	48	29	--
	60-06-07	150	--	0	--	131	--	43	29	--
	60-11-07	150	--	0	--	123	--	48	31	--
	61-06-08	150	--	0	--	131	--	55	30	--
	61-10-12	160	--	0	--	131	--	55	29	--
	62-06-05	150	--	0	--	123	--	55	29	--
	62-10-31	150	--	0	--	123	--	59	29	--
	63-05-31	160	--	--	--	131	--	57	30	--
	63-10-10	140	--	0	--	115	--	59	39	--
18/29E-01A01D1	83-05-18	--	190	--	.0	--	155	47	14	.4
18/29E-02A01	82-08-13	--	190	--	.0	--	154	33	7.7	.6
	83-03-17	--	170	--	.0	--	142	52	12	.7
18/29E-17R01	52-02-00	171	--	0	--	140	--	29	18	.8
	60-10-19	180	--	0	--	148	--	55	38	.6
	61-05-03	150	--	0	--	131	--	76	62	.5
18/30E-16R01	53-11-00	179	--	0	--	147	--	30	18	1.3
	82-08-12	--	187	--	.0	--	150	180	93	.5
	83-03-18	--	166	--	.0	--	140	200	100	.5
19/23E-12R01	70-12-03	180	--	0	--	148	--	55	36	.4
19/23E-22D01S	16-09-16	85	--	50	--	153	--	11	6.0	--
19/23E-22M01	82-08-16	--	291	--	.0	--	234	46	14	.3
	83-03-16	--	284	--	.0	--	237	46	16	.3
19/24E-07J01	16-08-31	235	--	0	--	193	--	20	9.0	--
	50-05-00	221	--	0	--	181	--	27	6.8	.6
	60-10-18	176	--	0	--	144	--	29	17	.6
19/24E-19A01	61-05-04	193	--	0	--	158	--	54	35	.6
19/24E-28N01	50-05-01	177	--	0	--	145	--	15	6.9	.4
19/25E-02M01	42-04-23	170	--	0	--	139	--	10	2.4	.4
19/25E-08A01	82-08-17	--	159	--	.0	--	118	41	22	.4

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
18/27E-04P01	16-10-08	40	355	--	1.0	--	--
18/28E-03A01	60-10-18	54	422	376	24	--	--
18/28E-26F01	82-08-12	55	--	309	--	--	.42
	83-05-17	54	--	304	--	--	.21
18/28E-34P01	47-07-29	--	--	354	11	--	--
18/28E-36D01	52-02-00	--	360	--	48	--	--
	55-05-10	--	--	--	53	--	--
	57-05-20	--	--	--	81	--	--
	58-10-23	--	--	--	50	--	--
	59-05-07	--	--	--	1.7	--	--
	59-11-18	--	--	--	42	--	--
	60-06-07	--	--	--	39	--	--
	60-11-07	--	--	--	40	--	--
	61-06-08	--	--	--	43	--	--
	61-10-12	--	--	--	42	--	--
	62-06-05	--	--	--	27	--	--
	62-10-31	--	--	--	31	--	--
	63-05-31	--	--	--	33	--	--
	63-10-10	--	--	--	38	--	--
18/29E-01A01D1	83-05-18	42	--	291	--	--	3.1
18/29E-02A01	82-08-13	52	--	270	--	--	2.1
	83-03-17	50	--	289	--	--	2.5
18/29E-17P01	52-02-00	--	274	--	9.2	--	--
	60-10-19	58	453	369	71	--	--
	61-05-03	59	524	408	93	--	--
18/30E-16P01	53-11-00	--	288	--	.20	--	--
	82-08-12	54	--	613	--	--	26
	83-03-18	54	--	632	--	--	19
19/23E-12P01	70-12-03	43	336	311	6.4	--	--
19/23E-22D01S	16-09-16	47	232	--	3.0	--	--
19/23E-22M01	82-03-16	54	--	363	--	--	4.5
	83-03-16	53	--	358	--	--	4.4
19/24E-07J01	16-06-31	42	283	--	.00	--	--
	50-05-00	44	256	270	.10	--	--
	60-10-18	48	262	251	4.1	--	--
19/24E-19A01	61-05-04	47	347	328	7.0	--	--
19/24E-24N01	50-05-01	55	234	228	9.7	--	--
19/25E-02M01	42-04-23	55	215	211	6.7	--	--
19/25E-08A01	82-08-17	52	--	275	--	--	4.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
18/27E-04P01	16-10-08	--	--	--	--
18/28E-03A01	60-10-18	40	--	--	--
18/28E-26F01	82-08-12	--	9	--	1
	83-05-17	--	16	--	6
18/28E-34P01	47-07-29	--	--	--	--
18/28E-36D01	52-02-00	--	--	--	--
	56-05-10	--	--	--	--
	57-05-20	--	--	--	--
	58-10-23	--	--	--	--
	59-05-07	--	--	--	--
	59-11-19	--	--	--	--
	60-05-07	--	--	--	--
	60-11-07	--	--	--	--
	61-06-08	--	--	--	--
	61-10-12	--	--	--	--
	62-06-05	--	--	--	--
	62-10-31	--	--	--	--
	63-05-31	--	--	--	--
	63-10-10	--	--	--	--
18/29E-01A01D1	83-05-18	--	10	--	10
18/29E-02A01	82-08-13	--	<3	--	<1
	83-03-17	--	9	--	4
18/29E-17P01	52-02-00	--	--	--	--
	60-10-19	290	--	--	--
	61-05-03	50	--	--	--
18/30E-15P01	53-11-00	--	--	--	--
	82-08-12	--	<3	--	1
	83-03-18	--	16	--	<1
19/23E-12R01	70-12-03	40	--	<20	--
19/23E-22D01S	16-09-16	--	--	--	--
19/23E-22M01	82-08-16	--	<3	--	6
	83-03-16	--	3	--	<1
19/24E-07J01	16-08-31	--	--	--	--
	50-05-00	70	--	--	--
	60-10-18	460	--	--	--
19/24E-19A01	61-05-04	10	--	--	--
19/24E-28N01	50-05-01	30	--	--	--
19/25E-02M01	42-04-23	270	--	--	--
19/25E-08A01	82-08-17	--	<3	--	4

Table 2.--Continued

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPE-CIFIC CON-DUCT-ANCE µMHOS	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)
				GRANIT						
19/25E-10A01	47 09 43	119 39 40	01	--	16-10-05	160	1155.00	--	--	--
				--	60-10-18	160	1155.00	1260	7.8	14.5
				--	61-05-03	160	--	617	7.9	14.5
19/26E-01P01	47 09 48	119 29 38	01	--	56-09-18	459	1257.00	314	8.0	--
				--	60-10-18	459	1257.00	386	7.8	19.5
19/26E-04Q01	47 09 55	119 33 42	01	--	55-12-00	436	--	399	8.3	--
19/26E-06A01	47 10 37	119 35 41	01	--	56-05-03	135	--	390	7.4	--
19/26E-25Q01	47 07 04	119 30 42	01	112GLCV	83-05-19	140	1225.00	318	7.9	17.4
19/26E-36E01	47 05 59	119 30 26	01	122WNPM	82-08-13	515	1230.00	417	7.5	20.1
19/27E-17L01	47 08 16	119 27 35	01	--	16-09-12	211	1121.00	--	--	--
19/27E-21C01	47 07 50	119 26 25	01	--	16-10-19	70	--	--	--	--
19/27E-23P01	47 07 03	119 23 15	01	--	16-09-12	78	--	--	--	--
19/27E-24H02	47 02 35	119 21 46	01	112GLCV	83-03-16	96	1065.00	950	7.2	13.4
19/27E-24K01	47 07 20	119 22 10	01	--	56-05-10	27	--	989	7.4	--
				--	57-05-20	27	1050.00	1010	7.4	--
				--	58-10-23	27	--	981	7.5	--
				--	59-05-07	27	--	998	7.6	--
				--	59-11-18	27	--	956	7.6	--
				--	60-06-07	27	--	985	7.6	--
				--	60-11-07	27	--	960	7.5	--
				--	61-06-08	27	--	928	7.7	--
				--	61-10-12	27	--	913	7.5	13.0
				--	62-06-05	27	--	959	7.1	--
				--	62-10-31	27	--	892	7.5	--
				--	63-05-31	27	--	873	7.6	--
				--	63-10-10	27	--	945	7.6	--
19/27E-25A03	47 07 00	119 21 47	01	--	42-04-25	34	--	583	--	11.5
19/27E-30N01	47 06 22	119 29 11	01	122WNPM	82-08-13	460	1220.00	453	7.6	19.6
				122WNPM	83-05-16	460	1220.00	497	7.7	19.2
19/28E-01C01	47 10 25	119 15 00	01	--	52-07-00	57	--	--	7.9	--
19/28E-04P01	47 09 45	119 18 14	01	121CRRV	61-11-27	750	--	352	8.2	14.4
				121CRRV	63-04-10	750	--	350	8.1	--
				121CRRV	64-04-09	750	--	362	8.0	--
				121CRRV	65-03-17	750	--	371	8.1	--
				121CRRV	66-03-09	750	--	372	8.1	--
19/28E-10E01	47 09 20	119 17 25	01	--	16-10-14	76	--	--	--	--
19/28E-13D01	47 08 05	119 14 05	01	--	47-05-16	568	--	41	8.0	--
19/28E-15Q01	47 08 53	119 17 05	01	--	55-08-02	909	1070.00	--	8.6	22.2
				--	55-11-29	909	--	380	8.7	18.5
19/28E-16B02	47 07 54	119 18 42	01	--	16-10-17	9	--	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
					GRANT					
19/25E-10A01	16-10-05	--	167	23	37	18	--	--	--	--
	60-10-16	--	373	211	75	45	129	43	3.0	4.9
	61-05-03	--	234	83	51	26	38	26	1.1	3.3
19/26E-01P01	56-09-18	--	63	0	18	4.3	33	52	1.9	2.7
	60-10-18	--	132	0	33	12	32	33	1.3	5.2
19/26E-04Q01	55-12-00	--	89	0	25	6.5	53	56	2.5	2.0
19/26E-06A01	56-05-03	--	154	0	46	9.5	17	19	.6	5.1
19/26E-25Q01	83-05-19	<1	107	0	30	7.8	24	31	1.0	6.0
19/26E-36E01	83-08-13	--	137	0	30	15	36	35	1.4	9.3
19/27E-17L01	16-09-12	--	196	22	47	19	--	--	--	--
19/27E-21C01	16-10-19	--	149	0	45	8.9	--	--	--	--
19/27E-23R01	16-09-12	--	245	0	47	31	--	--	--	--
19/27E-24H02	83-03-16	<1	299	0	52	41	71	32	1.8	19
19/27E-24K01	56-05-10	--	326	0	63	41	87	35	2.1	22
	57-05-20	--	352	0	57	51	92	35	2.2	17
	58-10-23	--	335	0	60	45	63	27	1.5	22
	59-05-07	--	323	0	65	39	93	37	2.3	20
	59-11-18	--	349	0	64	46	82	32	2.0	19
	60-06-07	--	340	0	62	45	76	31	1.8	20
	60-11-07	--	338	0	53	50	75	31	1.8	19
	61-06-08	--	324	0	49	49	83	34	2.0	19
	61-10-12	--	339	0	60	46	78	32	1.9	19
	62-06-05	--	319	0	55	44	71	31	1.8	17
	62-10-31	--	327	0	65	40	79	33	2.0	19
	63-05-31	--	323	0	65	39	78	33	1.9	18
	63-10-10	--	363	0	68	47	80	31	1.9	20
19/27E-25A03	42-04-25	--	181	0	28	27	56	38	1.8	14
19/27E-30N01	82-08-13	--	169	0	36	19	32	29	1.1	5.0
	83-05-16	--	181	13	38	21	33	28	1.1	4.6
19/28E-01C01	52-07-00	--	--	--	--	--	7.6	0	--	2.8
19/28E-04P01	61-11-27	--	67	0	15	7.2	46	56	2.5	9.8
	63-04-10	--	68	0	16	6.9	46	55	2.5	10
	64-04-09	--	69	0	16	7.1	50	57	2.7	10
	65-03-17	--	68	0	16	6.7	50	58	2.7	10
	66-03-09	--	67	0	16	6.6	50	58	2.7	10
19/28E-10E01	16-10-14	--	168	6	49	11	--	--	--	--
19/28E-13R01	47-05-16	--	82	0	18	9.0	60	--	3.0	--
19/28E-15Q01	55-08-02	--	23	0	6.0	2.0	69	80	6.4	11
	55-11-29	--	8	0	2.8	.2	79	89	13	11
19/28E-16P02	16-10-17	--	248	0	45	33	--	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
19/25E-10A01	56-10-05	176	--	0	--	144	--	12	5.0	--
	60-10-18	198	--	0	--	162	--	308	90	1.3
	61-05-03	194	--	0	--	151	--	92	32	.6
19/26E-01P01	56-09-18	111	--	0	--	91	--	42	7.8	.6
	60-10-18	208	--	0	--	171	--	24	5.5	.5
19/26E-04Q01	55-12-00	179	--	0	--	147	--	24	16	1.9
19/26E-06A01	56-05-03	199	--	--	--	163	--	27	5.0	.6
19/26E-25D01	83-05-19	--	191	--	.0	--	150	16	2.2	.4
19/26E-36E01	82-08-13	--	222	--	.0	--	182	26	6.9	.5
19/27E-17L01	56-09-12	212	--	0	--	174	--	22	9.0	--
19/27E-21C01	56-10-19	258	--	0	--	212	--	38	9.0	--
19/27E-23B01	56-09-12	390	--	10	--	337	--	9.1	10	--
19/27E-24H02	83-03-16	--	470	--	.0	--	391	51	14	.7
19/27E-24K01	56-05-10	529	--	--	--	434	--	63	23	--
	57-05-20	574	--	0	--	471	--	68	23	--
	58-10-23	520	--	0	--	427	--	69	25	--
	59-05-07	530	--	0	--	435	--	74	27	--
	59-11-18	520	--	0	--	427	--	72	27	--
	60-06-07	520	--	0	--	427	--	68	26	--
	60-11-07	500	--	0	--	410	--	66	24	--
	61-06-08	510	--	0	--	418	--	73	24	--
	61-10-12	500	--	0	--	410	--	69	25	--
	62-06-05	460	--	0	--	377	--	61	40	--
	62-10-31	480	--	0	--	394	--	68	27	--
	63-05-31	480	--	0	--	394	--	64	23	--
	63-10-10	510	--	0	--	418	--	71	29	--
19/27E-25A03	62-04-25	330	--	0	--	271	--	30	11	.7
19/27E-30N01	82-08-13	--	208	--	.0	--	175	43	8.0	.5
	83-05-16	--	219	--	.0	--	168	51	10	.5
19/28E-01C01	52-07-00	100	--	--	--	82	--	14	1.8	--
19/28E-04P01	61-11-27	157	--	0	--	129	--	28	12	.8
	63-04-10	159	--	0	--	130	--	29	14	.8
	64-04-09	162	--	0	--	133	--	33	14	.9
	65-03-17	162	--	0	--	133	--	32	14	1.0
	66-03-09	162	--	0	--	133	--	32	14	1.0
19/28E-10E01	56-10-14	198	--	0	--	162	--	81	20	--
19/28E-13P01	47-05-16	210	--	0	--	172	--	27	12	--
19/28E-15Q01	55-08-02	142	--	12	--	136	--	28	16	--
	55-11-29	154	--	10	--	143	--	24	16	1.6
19/28E-16P02	56-10-17	668	--	60	--	648	--	62	38	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
19/25E-10A01	56-10-05	--	257	--	10	--	--
	60-10-18	54	870	805	51	--	--
	61-05-03	55	450	388	31	--	--
19/26E-01P01	56-09-18	--	212	--	.20	--	--
	60-10-18	59	271	273	2.6	--	--
19/26E-04Q01	55-12-00	--	--	328	.40	--	--
19/26E-06A01	56-05-03	--	--	272	1.9	--	--
19/26E-25D01	83-05-19	45	--	225	--	--	.21
19/26E-36E01	82-08-13	61	--	294	--	--	2.0
19/27E-17L01	56-09-12	63	296	--	6.0	--	--
19/27E-21C01	56-10-19	49	339	--	1.0	--	--
19/27E-23E01	56-09-12	39	426	--	1.0	--	--
19/27E-24H02	83-08-16	33	--	513	--	--	4.9
19/27E-24K01	56-05-10	--	--	--	16	--	--
	57-05-20	--	--	--	14	--	--
	58-10-23	--	--	--	14	--	--
	59-05-07	--	--	--	10	--	--
	59-11-18	--	--	--	13	--	--
	60-06-07	--	--	--	14	--	--
	60-11-07	--	--	--	13	--	--
	61-06-08	--	--	--	19	--	--
	61-10-12	--	--	--	19	--	--
	62-06-05	--	--	--	10	--	--
	62-10-31	--	--	--	25	--	--
	63-05-31	--	--	--	14	--	--
	63-10-10	--	--	--	26	--	--
19/27E-25A03	42-04-25	11	347	340	3.8	--	--
19/27E-30N01	82-08-13	62	--	308	--	--	4.0
	83-05-16	60	--	326	--	--	5.5
19/28E-01C01	52-07-00	--	--	--	--	--	--
19/28E-04P01	61-11-27	45	240	241	.10	--	--
	63-04-10	44	251	245	.00	--	--
	64-04-09	43	255	254	.20	--	--
	65-03-17	39	250	248	.00	--	--
	66-03-09	41	252	250	.10	--	--
19/28E-10F01	56-10-14	47	350	--	.00	--	--
19/28E-13R01	47-05-16	--	--	--	4.0	--	--
19/29E-15Q01	55-08-02	53	294	279	--	--	--
	55-11-29	68	278	299	.40	--	--
19/29E-16P02	56-10-17	56	886	--	1.0	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
19/25E-10A01	16-10-05	--	--	--	--
	60-10-18	140	--	--	--
	61-05-03	10	--	--	--
19/26E-01P01	56-09-18	--	0	--	--
	60-10-18	60	--	--	--
19/26E-04Q01	55-12-00	10	--	--	--
19/26E-06A01	56-05-03	--	--	--	--
19/26E-25D01	83-05-19	--	<3	--	<1
19/26E-36E01	82-08-13	--	<3	--	6
19/27E-17L01	16-09-12	--	--	--	--
19/27E-21C01	16-10-19	--	--	--	--
19/27E-23R01	16-09-12	--	--	--	--
19/27E-24H02	83-03-16	--	4	--	2
19/27E-24K01	56-05-10	--	--	--	--
	57-05-20	--	--	--	--
	58-10-23	--	--	--	--
	59-05-07	--	--	--	--
	59-11-18	--	--	--	--
	60-06-07	--	--	--	--
	60-11-07	--	--	--	--
	61-05-08	--	--	--	--
	61-10-12	--	--	--	--
	62-06-05	--	--	--	--
	62-10-31	--	--	--	--
	63-05-31	--	--	--	--
	63-10-10	--	--	--	--
19/27E-25A03	42-04-25	40	--	--	--
19/27E-30N01	82-08-13	--	<3	--	<1
	83-05-16	--	13	--	5
19/28E-01C01	52-07-00	--	--	--	--
19/28E-04P01	61-11-27	60	--	<50	--
	63-04-10	40	--	<50	--
	64-04-09	10	--	<50	--
	65-03-17	40	--	<50	--
	66-03-09	20	--	<50	--
19/28E-10F01	16-10-14	--	--	--	--
19/28E-13R01	47-05-16	--	--	--	--
19/28E-15Q01	55-09-02	20	20	--	--
	55-11-29	<10	--	--	--
19/28E-16P02	16-10-17	--	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	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)
				GRANT						
19/28E-22R01	47 07 51	119 17 24	01	121CRRV	55-08-02	544	1076.00	--	8.4	--
19/28E-22R02	47 07 51	119 17 25	01	121CRRV	55-08-02	763	1072.00	--	8.1	--
19/28E-23D08	47 07 20	119 16 16	01	--	57-04-21	948	1064.00	--	8.2	--
				--	59-12-04	948	1064.00	363	8.3	--
19/28E-28K04	47 06 23	119 18 15	01	121CRRV	71-09-24	1000	--	1070	7.4	15.8
19/29E-03R01	47 10 27	119 09 34	01	122CRRV	82-08-14	1200	1355.00	333	8.8	22.4
				122CRRV	83-05-27	1200	1355.00	335	8.8	21.9
19/29E-08L01	47 08 57	119 12 18	01	122WNPM	82-08-12	273	1220.00	362	7.7	15.2
				122WNPM	83-05-26	273	1220.00	326	7.7	15.2
19/29E-19R01	47 07 42	119 13 21	01	--	42-04-25	157	1190.00	330	--	14.5
19/29E-22C01	47 07 41	119 09 50	01	--	52-01-00	352	--	572	7.5	--
				--	60-10-19	352	1269.00	198	8.1	15.0
19/29E-34D02	47 06 03	119 10 14	01	--	50-04-00	285	--	508	7.8	--
19/30E-03F01	47 09 59	119 02 18	01	122CRRV	83-05-26	1100	1415.00	385	9.2	21.6
19/30E-07L01	47 09 02	119 05 49	01	122CRRV	83-05-23	930	1415.00	360	9.0	23.1
19/30E-15L01	47 08 14	119 02 01	01	122CRRV	82-08-14	1178	1442.00	410	8.9	23.3
				122CRRV	83-05-17	1178	1442.00	393	9.0	24.2
19/30E-32N01	47 05 05	119 04 28	01	--	51-04-04	351	--	463	8.1	--
				--	57-08-19	351	--	551	7.4	--
20/23E-10N01	47 14 03	119 56 10	01	--	53-09-00	351	--	427	7.8	--
20/23E-16C01	47 13 57	119 56 57	01	122WNPM	82-08-16	238	1440.00	580	7.9	16.1
				122WNPM	83-03-18	238	1440.00	545	7.7	7.6
20/23E-24H01	47 13 40	119 52 45	01	--	60-10-18	75	1298.00	401	8.0	15.5
20/24E-07Q01	47 14 12	119 51 24	01	--	55-08-03	431	--	--	7.5	21.0
20/24E-07Q02	47 14 14	119 51 22	01	--	39-01-24	376	1305.00	--	--	11.0
20/24E-09D01	47 14 52	119 49 37	01	--	16-09-18	424	1316.00	--	--	--
20/24E-09E02	47 14 40	119 49 40	01	--	42-04-23	345	1296.00	384	--	--
20/25E-04M01	47 15 19	119 41 56	01	--	50-10-04	674	--	367	7.9	--
				--	57-09-12	674	--	564	7.6	--
20/25E-05D01	47 15 03	119 42 56	01	--	16-09-27	450	--	--	--	--
20/25E-13D01	47 13 18	119 37 35	01	--	16-09-28	278	--	--	--	--
20/25E-14K01	47 13 29	119 38 55	01	112GLCV	83-05-17	60	1222.00	430	7.4	15.0
20/25E-17Q01	47 13 21	119 42 32	01	122WNPM	82-08-12	158	1230.00	353	7.8	18.3
				122WNPM	83-03-18	158	1190.00	380	7.8	13.9
20/25E-19D01	47 13 12	119 44 26	01	121CRRV	71-05-21	132	--	858	8.1	15.4
20/25E-21A02	47 12 58	119 41 08	01	--	47-11-25	652	--	356	8.1	--
				--	48-03-03	652	1225.00	356	8.0	--
20/25E-29H01	47 12 02	119 42 24	01	--	50-12-29	175	1225.00	369	--	--
				--	60-10-18	175	1225.00	297	8.1	15.0
20/25E-36R01	47 11 28	119 37 39	01	--	51-00-00	250	--	479	7.8	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
19/29E-22A01	55-09-02	--	21	0	5.0	2.0	70	80	6.9	13
19/29E-22A02	55-06-02	--	120	0	25	14	39	39	1.6	9.0
19/29E-23D03	57-04-21	--	13	0	4.0	.7	--	--	--	--
	59-12-04	--	29	0	8.0	2.1	64	77	5.4	10
19/29E-28K04	71-09-24	--	333	0	72	37	110	41	2.7	11
19/29E-03A01	82-08-14	--	7	0	2.4	.3	68	89	11	8.9
	83-05-27	--	14	0	4.0	.9	66	85	8.1	9.5
19/29E-08L01	82-08-12	--	114	0	24	13	28	34	1.2	3.9
	83-05-26	--	108	0	22	13	28	35	1.2	3.4
19/29E-19A01	42-04-25	--	144	46	38	12	8.6	11	.3	2.8
19/29E-22C01	52-01-00	--	176	53	36	21	37	30	1.2	8.0
	60-10-19	--	46	0	11	4.5	24	51	1.6	2.7
19/29E-34D02	50-04-00	--	162	12	32	20	43	35	1.5	6.4
19/30E-03E01	83-05-26	--	17	0	4.3	1.4	80	88	8.9	6.4
19/30E-07L01	83-05-23	--	4	0	1.3	.3	79	93	17	6.6
19/30E-15L01	82-08-14	--	14	0	4.0	.9	79	88	9.7	8.0
	83-05-17	--	3	0	1.2	.1	84	94	20	5.7
19/30E-32N01	51-04-04	--	45	0	16	1.2	79	74	5.4	12
	57-08-19	--	187	75	42	20	47	--	1.5	--
20/23E-10N01	53-09-00	--	158	9	32	19	27	26	1.0	3.9
20/23E-16Q01	82-08-16	--	270	90	27	49	18	13	.5	3.1
	83-03-18	<1	244	60	22	46	18	14	.5	2.5
20/23E-24H01	60-10-18	--	142	12	24	20	27	29	1.0	3.0
20/24E-07B01	55-08-03	--	121	0	32	10	25	30	1.0	4.3
20/24E-07B02	39-01-24	--	192	17	34	26	29	24	.9	4.5
20/24E-09D01	16-09-18	--	129	0	32	12	--	--	--	--
20/24E-09E02	42-04-23	--	154	26	37	15	19	21	.7	3.9
20/25E-04M01	50-10-04	--	102	0	21	12	38	42	1.7	9.0
	57-09-12	--	220	105	50	23	24	19	.7	2.0
20/25E-05B01	16-09-27	--	129	5	32	12	--	--	--	--
20/25E-13D01	16-09-28	--	382	42	82	43	--	--	--	--
20/25E-14K01	83-05-17	<1	180	9	49	14	17	16	.6	6.2
20/25E-17D01	82-08-12	--	143	19	34	14	17	20	.6	4.1
	83-03-18	<1	152	27	36	15	18	20	.7	3.8
20/25E-19D01	71-05-21	--	341	239	82	33	36	18	.9	5.5
20/25E-21A02	47-11-25	--	129	0	27	15	21	--	.8	--
	48-03-03	--	134	0	29	15	--	--	--	--
20/25E-29H01	50-12-29	--	126	0	24	16	22	27	.9	3.5
	60-10-18	--	123	0	28	13	14	19	.6	3.1
20/25E-36B01	51-00-00	--	185	29	41	20	18	17	.6	2.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
19/28E-22E01	55-08-02	159	--	9	--	145	--	27	18	--
19/28E-22E02	55-08-02	199	--	4	--	170	--	35	17	--
19/28E-23D08	57-04-21	171	--	5	--	149	--	17	16	--
	59-12-04	155	--	4	--	134	--	19	17	2.5
19/28E-28K04	71-09-24	452	--	0	--	371	--	110	63	.6
19/29E-03B01	82-08-14	--	130	--	16	--	127	11	14	2.2
	83-05-27	--	150	--	10	--	134	12	17	2.2
19/29E-08L01	82-08-12	--	185	--	.0	--	150	25	4.3	.6
	83-05-26	--	174	--	.0	--	131	24	3.8	.7
19/29E-19B01	42-04-25	119	--	0	--	98	--	25	16	.2
19/29E-22C01	52-01-00	150	--	0	--	123	--	92	46	.5
	60-10-19	106	--	0	--	87	--	13	1.0	.4
19/29E-34D02	50-04-00	183	--	0	--	150	--	58	26	.5
19/30E-03E01	83-05-26	--	127	--	27	--	143	22	20	3.1
19/30E-07L01	83-05-23	--	135	--	17	--	136	23	18	2.3
19/30E-15L01	82-08-14	--	132	--	18	--	127	30	17	2.1
	83-05-17	--	139	--	15	--	137	27	16	2.4
19/30E-32N01	51-04-04	187	--	0	--	153	--	50	20	1.1
	57-08-19	137	--	0	--	112	--	95	56	.5
20/23E-10N01	53-09-00	182	--	0	--	149	--	53	15	.4
20/23E-15C01	82-08-16	--	227	--	.0	--	180	69	21	.6
	83-03-18	--	255	--	.0	--	184	61	23	.7
20/23E-24H01	60-10-18	158	--	0	--	130	--	44	18	.7
20/24E-07B01	55-08-03	153	--	--	--	125	--	29	17	--
20/24E-07B02	39-01-24	213	--	0	--	175	--	68	5.5	.0
20/24E-09D01	16-09-18	161	--	0	--	132	--	18	9.0	--
20/24E-09E02	42-04-23	156	--	0	--	128	--	37	17	.4
20/25E-04M01	50-10-04	160	--	0	--	131	--	36	18	.7
	57-09-12	140	--	0	--	115	--	90	45	1.0
20/25E-05B01	16-09-27	151	--	0	--	124	--	18	8.0	--
20/25E-13D01	16-09-28	415	--	0	--	340	--	104	7.0	--
20/25E-14K01	83-05-17	--	225	--	.0	--	171	36	6.4	.3
20/25E-17D01	82-08-12	--	151	--	.0	--	124	36	10	.6
	83-03-18	--	175	--	.0	--	125	36	10	.5
20/25E-19D01	71-05-21	124	--	0	--	102	--	140	120	.4
20/25E-21A02	47-11-25	170	--	--	--	139	--	23	8.9	--
	48-03-03	193	--	0	--	158	--	22	8.9	--
20/25E-29H01	50-12-29	173	--	0	--	142	--	16	19	.1
	60-10-18	161	--	0	--	132	--	17	4.0	.9
20/25E-36B01	51-00-00	190	--	0	--	156	--	45	5.7	.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
19/28E-22R01	55-08-02	--	261	--	--	--	--
19/28E-22R02	55-08-02	--	300	--	--	--	--
19/28E-23D08	57-04-21	73	265	--	--	--	--
	59-12-04	60	261	267	.90	--	--
19/28E-28K04	71-09-24	56	724	682	--	3.7	--
19/29E-03R01	82-08-16	69	--	263	--	--	<.10
	83-05-27	64	--	264	--	--	<.10
19/29E-08L01	82-08-12	50	--	240	--	--	2.0
	83-05-26	50	--	230	--	--	1.6
19/29E-19B01	42-04-25	29	235	190	23	--	--
19/29E-22C01	52-01-00	--	--	--	.00	--	--
	59-10-19	35	144	144	.30	--	--
19/29E-34D02	50-04-00	53	333	329	16	--	--
19/30E-03E01	83-05-26	74	--	313	--	--	.22
19/30E-07L01	83-05-23	72	--	296	--	--	<.10
19/30E-15L01	82-08-16	72	--	306	--	--	<.10
	83-05-17	73	--	301	--	--	<.10
19/30E-32N01	51-04-04	--	--	350	.01	--	--
	57-08-19	--	--	390	3.1	--	--
20/23E-10N01	53-09-00	--	--	284	.70	--	--
20/23E-16C01	82-08-16	55	--	355	--	--	4.3
	83-03-18	54	--	353	--	--	2.7
20/23E-24N01	60-10-18	50	273	264	2.2	--	--
20/24E-07P01	55-08-03	50	248	243	--	--	--
20/24E-07P02	39-01-24	51	323	323	3.2	--	--
20/24E-09D01	16-09-18	44	242	--	.00	--	--
20/24E-09E02	42-04-23	42	272	248	8.4	--	--
20/25E-04M01	50-10-04	--	--	--	.50	--	--
	57-09-12	--	448	--	3.7	--	--
20/25E-05P01	15-09-27	56	227	--	1.0	--	--
20/25E-13D01	16-09-28	51	539	--	.00	--	--
20/25E-14K01	83-05-17	43	--	283	--	--	1.9
20/25E-17Q01	82-08-12	61	--	251	--	--	3.7
	83-03-18	63	--	269	--	--	3.9
20/25E-19D01	71-05-21	63	630	541	--	8.0	--
20/25E-21A02	47-11-25	--	228	--	2.0	--	--
	48-04-03	--	224	--	1.8	--	--
20/25E-24H01	50-12-29	--	234	--	7.5	--	--
	60-10-18	60	218	219	.50	--	--
20/25E-36R01	51-00-00	--	320	--	15	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
19/28E-22R01	55-09-02	--	20	--	--
19/28E-22R02	55-09-02	--	20	--	--
19/29E-23D08	57-04-21	--	100	--	--
	59-12-04	20	--	--	--
19/28E-28K04	71-09-24	40	--	<20	--
19/29E-03P01	82-08-14	--	13	--	21
	83-05-27	--	19	--	4
19/29E-08L01	82-08-12	--	<3	--	2
	83-05-26	--	9	--	4
19/29E-19R01	42-04-25	40	--	--	--
19/29E-22C01	52-01-00	--	--	--	--
	60-10-19	980	--	--	--
19/29E-34D02	50-04-00	30	--	--	--
19/30E-03E01	83-05-26	--	4	--	1
19/30E-07L01	83-05-23	--	58	--	1
19/30E-15L01	82-08-14	--	28	--	24
	83-05-17	--	36	--	5
19/30E-32N01	51-04-04	--	--	--	--
	57-09-19	<10	--	--	--
20/23E-10N01	53-09-00	--	--	--	--
20/23E-16C01	82-08-16	--	120	--	34
	83-03-18	--	15	--	53
20/23E-24H01	60-10-18	<10	--	--	--
20/24E-07P01	55-09-03	10	--	--	--
20/24E-07P02	39-01-24	1000	--	--	--
20/24E-09D01	16-09-18	--	--	--	--
20/24E-09F02	42-04-23	40	--	--	--
20/25E-04M01	50-10-04	--	--	--	--
	57-09-12	50	--	--	--
20/25E-05P01	16-09-27	--	--	--	--
20/25E-13D01	16-09-28	550	--	--	--
20/25E-14K01	83-05-17	--	17	--	<1
20/25E-17Q01	82-08-12	--	<3	--	2
	83-03-18	--	40	--	30
20/25E-19D01	71-05-21	30	--	<20	--
20/25E-21A02	47-11-25	--	--	--	--
	48-03-03	--	--	--	--
20/25E-29H01	50-12-29	--	--	--	--
	60-10-18	70	--	--	--
20/25E-36R01	51-00-00	--	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
20/26E-21A01	47 13 14	119 33 12	01	--	56-03-16	416	--	334	8.2	--
20/26E-26K01	47 11 47	119 30 53	01	122CRRV	82-08-12	527	1260.00	345	7.6	20.7
20/28E-11J01	47 14 04	119 15 21	01	122WNPM	92-08-18	110	1250.00	422	7.7	16.4
20/28E-17Q01	47 13 13	119 17 40	01	121CRRV	59-10-21	212	1152.00	501	7.6	13.0
				121CRRV	65-03-17	212	--	609	7.8	--
20/28E-17Q02	47 13 13	119 19 54	01	121CRRV	61-11-27	350	--	560	7.5	13.7
				121CRRV	63-04-10	350	--	516	7.6	--
				121CRRV	64-04-09	350	--	604	7.7	--
				121CRRV	65-03-17	350	--	609	7.8	--
				121CRRV	66-03-08	350	--	584	7.6	--
20/28E-27E01	47 11 59	119 17 51	01	--	56-09-14	134	1155.00	538	7.9	13.0
				--	57-11-05	134	--	523	7.9	13.0
				--	58-03-28	134	--	440	7.7	13.5
				--	58-10-31	134	--	515	7.8	13.0
				--	59-10-21	134	--	509	8.0	13.0
				--	61-11-27	134	--	531	8.0	12.8
				--	63-04-10	134	--	398	7.8	--
				--	64-04-09	134	--	438	7.7	--
				--	65-04-23	134	--	471	7.8	--
				--	66-03-08	134	--	478	7.7	--
20/28E-29E01	47 11 57	119 20 15	01	121CRRV	55-05-26	165	1182.00	273	7.7	--
				121CRRV	56-06-20	165	--	266	8.0	14.0
				121CRRV	57-11-05	165	--	275	8.0	14.0
				121CRRV	58-10-31	165	--	269	8.1	14.0
				121CRRV	59-10-21	165	--	276	7.5	14.0
				121CRRV	61-11-27	165	--	273	8.0	13.9
				121CRRV	63-04-10	165	--	271	7.9	--
				121CRRV	64-04-09	165	--	281	7.7	--
				121CRRV	65-03-17	165	--	283	7.8	--
20/28E-31C01	47 11 20	119 21 12	01	--	56-06-20	75	1070.00	456	8.1	14.0
				--	58-10-31	75	--	376	7.7	14.0
				--	59-10-21	75	--	382	8.0	14.0
				--	64-04-09	75	--	381	7.7	--
20/28E-32C01	47 11 23	119 19 50	01	--	51-03-30	725	1195.00	319	8.0	18.5
				--	51-07-03	725	--	317	7.5	--
				--	51-07-13	725	--	317	7.5	--
				--	52-03-06	725	--	328	8.1	--
				--	53-12-04	725	--	334	7.9	19.5
				--	55-08-24	725	--	349	8.0	19.5
				--	56-06-20	725	--	365	8.1	14.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
20/26E-21A01	56-03-16	--	130	0	24	17	24	28	.9	4.0
20/26E-26K01	82-09-12	--	99	0	23	10	28	36	1.3	6.0
20/28E-11R01	82-08-18	--	187	0	45	18	19	18	.6	2.3
20/28E-17Q01	59-10-21	--	180	0	44	17	36	29	1.2	9.2
	65-03-17	--	238	0	59	22	40	26	1.2	11
20/28E-17Q02	61-11-27	--	207	0	50	20	39	28	1.2	10
	63-04-10	--	196	0	49	18	37	28	1.2	9.8
	64-04-09	--	241	0	57	24	41	26	1.2	11
	65-03-17	--	238	0	59	22	40	26	1.2	11
	66-03-08	--	226	0	56	21	42	28	1.3	11
20/28E-27F01	56-09-14	--	217	18	54	20	32	24	1.0	7.1
	57-11-05	--	206	7	51	19	32	25	1.0	7.0
	58-03-28	--	167	0	42	15	29	26	1.0	7.0
	58-10-31	--	207	3	55	17	31	24	1.0	7.4
	59-10-21	--	190	0	48	17	33	27	1.1	7.3
	61-11-27	--	199	0	50	18	35	27	1.1	7.7
	63-04-10	--	146	0	37	13	30	30	1.1	6.2
	64-04-09	--	166	0	40	16	32	29	1.1	6.9
	65-04-23	--	180	0	44	17	32	27	1.1	7.3
	66-03-08	--	185	0	46	17	31	26	1.0	6.9
20/28E-29E01	55-05-26	--	103	5	23	11	16	--	.7	--
	56-06-20	--	101	3	24	10	16	25	.7	2.7
	57-11-05	--	103	5	23	11	18	27	.8	2.7
	58-10-31	--	103	4	25	9.9	16	25	.7	2.6
	59-10-21	--	100	0	24	9.7	16	25	.7	3.2
	61-11-27	--	96	0	22	10	16	26	.7	2.9
	63-04-10	--	101	3	24	10	16	25	.7	2.7
	64-04-09	--	103	3	23	11	17	26	.8	2.9
	65-03-17	--	101	3	24	10	17	26	.8	2.9
20/28E-31C01	56-06-20	--	194	5	48	18	24	21	.8	4.2
	58-10-31	--	158	2	40	14	18	19	.6	3.6
	59-10-21	--	150	0	37	14	20	22	.7	3.8
	64-04-09	--	154	0	37	15	20	21	.7	4.0
20/28E-32C01	51-03-30	--	131	0	26	16	17	21	.7	5.0
	51-07-03	--	131	0	26	16	17	21	.7	4.3
	51-07-13	--	131	0	26	16	17	21	.7	4.3
	52-03-06	--	131	0	26	16	18	22	.7	3.8
	53-12-04	--	118	0	24	14	26	31	1.1	7.9
	55-09-24	--	134	0	29	15	18	22	.7	3.8
	56-06-20	--	147	0	29	18	19	21	.7	4.3

Table 2.--Continued

LOCAL IDENTI-FIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
20/26E-21A01	56-03-16	140	--	0	--	148	--	16	7.1	2.5
20/26E-26K01	82-08-12	--	180	--	.0	--	141	17	4.5	.5
20/28E-11B01	82-08-18	--	256	--	.0	--	198	19	1.8	.4
20/28E-17Q01	59-10-21	265	--	0	--	217	--	28	6.8	.3
	65-03-17	342	--	0	--	281	--	34	10	.4
20/28E-17Q02	61-11-27	318	--	0	--	261	--	23	3.8	.4
	63-04-10	287	--	0	--	235	--	32	9.5	.3
	64-04-09	342	--	0	--	281	--	35	11	.3
	65-03-17	342	--	0	--	281	--	34	10	.4
	66-03-08	346	--	0	--	284	--	23	6.5	.4
20/28E-27F01	56-09-14	243	--	0	--	199	--	51	21	.3
	57-11-05	243	--	0	--	199	--	46	16	.5
	58-03-26	219	--	0	--	180	--	34	10	.2
	58-10-31	249	--	0	--	204	--	47	16	.2
	59-10-21	248	--	0	--	203	--	40	13	.3
	61-11-27	275	--	0	--	226	--	36	11	.3
	63-04-10	215	--	0	--	176	--	23	6.5	.3
	64-04-09	236	--	0	--	194	--	26	7.0	.4
	65-04-23	250	--	0	--	205	--	29	8.8	.5
	66-03-08	253	--	0	--	208	--	28	8.2	.4
20/28E-29E01	55-05-26	120	--	0	--	98	--	18	7.0	.3
	56-06-20	119	--	0	--	98	--	17	7.5	.4
	57-11-05	120	--	0	--	98	--	17	7.5	.2
	58-10-31	121	--	0	--	99	--	17	7.0	.3
	59-10-21	122	--	0	--	100	--	17	7.2	.3
	61-11-27	120	--	0	--	98	--	17	7.0	.4
	63-04-10	120	--	0	--	98	--	17	7.5	.4
	64-04-09	122	--	0	--	100	--	18	7.5	.3
	65-03-17	120	--	0	--	98	--	20	8.2	.4
20/28E-31C01	56-06-20	231	--	0	--	189	--	32	7.8	.2
	58-10-31	190	--	0	--	156	--	26	6.5	.3
	59-10-21	189	--	0	--	155	--	26	6.8	.2
	64-04-09	188	--	0	--	154	--	25	5.8	.3
20/28E-32C01	51-03-30	164	--	0	--	135	--	21	6.1	.2
	51-07-03	160	--	0	--	131	--	21	7.1	.3
	51-07-13	160	--	0	--	131	--	21	7.1	.3
	52-03-06	162	--	0	--	133	--	25	7.9	.2
	53-12-04	164	--	0	--	135	--	26	8.6	.6
	55-08-24	163	--	0	--	134	--	15	8.0	.1
	56-06-20	167	--	0	--	137	--	26	9.5	.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
		GRANT					
20/26E-21A01	56-03-16	--	280	--	8.7	--	--
20/26E-26K01	82-09-12	61	--	239	--	--	2.8
20/28E-11Q01	82-08-18	47	--	279	--	--	1.0
20/28E-17Q01	59-10-21	34	320	306	13	--	--
	65-03-17	32	380	377	6.9	--	--
20/28E-17Q02	61-11-27	36	351	339	11	--	--
	63-04-10	36	338	333	5.2	--	--
	64-04-09	35	388	382	5.7	--	--
	65-03-17	32	380	377	6.9	--	--
	65-03-08	34	372	364	9.5	--	--
20/28E-27E01	56-09-14	38	338	343	4.1	--	--
	57-11-05	--	332	--	4.4	--	--
	58-03-28	42	297	287	5.4	--	--
	58-10-31	39	333	335	4.1	--	--
	59-10-21	39	328	320	7.3	--	--
	61-11-27	40	342	333	5.0	--	--
	63-04-10	39	265	261	4.1	--	--
	64-04-09	38	289	282	6.2	--	--
	65-04-23	36	300	298	7.9	--	--
	65-03-08	36	305	298	8.7	--	--
20/28E-29E01	55-05-26	60	209	194	13	--	--
	56-06-20	60	210	196	16	--	--
	57-11-05	--	208	--	14	--	--
	58-10-31	56	207	193	11	--	--
	59-10-21	58	210	195	13	--	--
	61-11-27	60	211	194	11	--	--
	63-04-10	59	225	196	11	--	--
	64-04-09	57	217	197	12	--	--
	65-03-17	52	215	194	13	--	--
20/28E-31C01	56-06-20	52	312	300	15	--	--
	58-10-31	52	260	254	8.8	--	--
	59-10-21	53	265	254	12	--	--
	64-04-09	52	268	252	11	--	--
20/28E-32C01	51-03-30	56	230	228	8.4	--	--
	51-07-03	56	232	226	6.0	--	--
	51-07-13	56	232	226	6.0	--	--
	52-03-06	56	235	233	9.7	--	--
	53-12-04	51	231	239	3.6	--	--
	55-08-24	50	254	219	13	--	--
	56-06-20	53	250	241	15	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
20/26E-21A01	56-03-16	<10	--	--	--
20/26E-26K01	82-09-12	--	<3	--	2
20/26E-11P01	82-08-18	--	<3	--	48
20/28E-17Q01	59-10-21	630	--	--	--
	65-03-17	20	--	<50	--
20/28E-17Q02	61-11-27	20	--	<50	--
	63-04-10	<10	--	<50	--
	64-04-09	10	--	<50	--
	65-03-17	20	--	<50	--
	66-03-08	<10	--	<50	--
20/28E-27E01	56-09-14	20	--	--	--
	57-11-05	20	--	--	--
	58-03-28	<10	--	--	--
	58-10-31	20	--	--	--
	59-10-21	<10	--	--	--
	61-11-27	<10	--	<50	--
	63-04-10	60	--	<50	--
	64-04-09	40	--	<50	--
	65-04-23	440	--	<50	--
	66-03-08	40	--	<50	--
20/28E-29F01	55-05-26	40	--	--	--
	56-06-20	40	--	--	--
	57-11-05	40	--	--	--
	58-10-31	70	--	--	--
	59-10-21	<10	--	--	--
	61-11-27	<10	--	<50	--
	63-04-10	20	--	<50	--
	64-04-09	200	--	<50	--
	65-03-17	30	--	<50	--
20/28E-31C01	56-06-20	10	--	--	--
	58-10-31	140	--	--	--
	59-10-21	70	--	--	--
	64-04-09	160	--	<50	--
20/29E-32C01	51-03-30	10	--	--	--
	51-07-03	10	--	--	--
	51-07-13	10	--	--	--
	52-03-06	60	--	--	--
	53-12-04	60	--	--	--
	55-08-24	10	--	--	--
	56-06-20	10	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	SEQ-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
20/28E-32C01	47 11 23	119 19 50	01	--	57-11-05	725	--	386	8.1	14.0
				--	58-10-31	725	--	371	8.0	14.0
				--	59-10-21	725	--	330	8.2	14.0
				--	61-11-27	725	--	326	8.1	13.9
				--	63-04-10	725	--	325	8.1	--
				--	64-04-09	725	--	462	7.8	--
				--	65-03-17	725	--	451	7.9	--
				--	66-03-09	725	--	434	7.9	--
20/28E-32H01	47 11 01	119 19 11	01	122CRRV	43-00-00	712	1187.30	--	8.2	--
				122CRRV	51-03-30	712	1187.00	315	8.0	22.0
				122CRRV	52-03-06	712	1187.30	315	8.1	--
				122CRRV	53-12-04	712	1187.30	316	8.1	19.5
				122CRRV	55-08-24	712	1187.30	317	8.1	19.5
				122CRRV	56-06-20	712	1187.30	327	8.1	14.0
				122CRRV	57-11-05	712	1187.30	323	8.1	14.0
				122CRRV	58-10-31	712	1187.30	320	7.9	14.0
				122CRRV	59-10-21	712	1187.30	317	8.1	14.0
				122CRRV	61-11-24	712	1187.30	329	8.2	14.0
				122CRRV	63-04-10	712	1187.30	321	8.0	--
				122CRRV	64-04-09	712	1187.30	331	8.0	--
				122CRRV	65-03-17	712	1187.30	331	8.0	--
				122CRRV	66-03-09	712	1187.30	327	8.0	--
				122CRRV	82-08-13	712	1187.30	335	8.0	21.1
				122CRRV	83-03-17	712	1187.30	320	7.7	21.7
20/28E-33F01	47 11 00	119 19 06	01	121CRRV	55-05-26	790	1169.00	312	7.9	10.0
				121CRRV	56-06-20	790	--	317	8.0	15.5
				121CRRV	57-11-05	790	--	313	8.2	15.5
				121CRRV	58-10-31	790	--	326	8.1	15.5
				121CRRV	59-10-21	790	--	314	8.2	15.5
				121CRRV	61-11-27	790	--	320	8.2	15.6
				121CRRV	63-04-10	790	--	313	8.1	--
				121CRRV	64-04-09	790	--	330	8.0	--
				121CRRV	65-03-17	790	--	320	8.0	--
				121CRRV	66-03-09	790	--	312	8.1	--
20/29E-01A01	47 15 40	119 06 32	01	122CRRV	82-08-12	1360	1462.00	355	8.0	18.2
				122CRRV	83-05-17	1360	1462.00	361	8.0	18.2
20/29E-11A01	47 12 55	119 09 43	01	--	50-04-00	165	--	344	8.0	--
20/29E-18J01	47 11 24	119 13 13	01	--	60-10-19	91	1279.00	237	8.0	15.5
20/29E-28C01	47 18 46	119 20 25	01	--	51-00-00	416	--	401	7.9	--
21/24E-31L01	47 16 07	119 52 00	01	--	60-10-18	407	--	323	7.5	15.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
20/28E-32C01	57-11-05	--	146	5	32	16	20	22	.7	4.5
	58-10-31	--	154	15	32	18	20	21	.7	4.1
	59-10-21	--	69	0	17	6.4	39	50	2.1	12
	61-11-27	--	70	0	16	7.4	39	50	2.1	11
	63-04-10	--	71	0	17	7.0	39	50	2.1	11
	64-04-09	--	194	26	38	24	23	20	.7	4.7
	65-03-17	--	183	22	37	22	22	20	.7	4.5
	66-03-09	--	171	15	34	21	25	23	.9	5.0
20/28E-32Q01	43-00-00	--	71	0	17	7.0	43	--	2.3	--
	51-03-30	--	78	0	17	8.6	35	45	1.8	12
	52-03-06	--	79	0	18	8.3	37	47	1.9	8.5
	53-12-04	--	83	0	18	9.3	37	46	1.8	7.9
	55-08-24	--	77	0	17	8.4	34	46	1.7	8.7
	56-06-20	--	77	0	18	7.8	35	46	1.8	9.3
	57-11-05	--	77	0	17	8.4	36	47	1.8	8.8
	58-10-31	--	78	0	20	6.7	36	47	1.8	9.0
	59-10-21	--	75	0	17	8.0	37	48	1.9	9.3
	61-11-24	--	75	0	16	8.6	38	49	2.0	9.4
	63-04-10	--	76	0	16	8.7	38	49	2.0	8.8
	64-04-09	--	75	0	16	8.6	38	49	2.0	9.2
	65-03-17	--	75	0	17	8.0	39	49	2.0	9.1
	66-03-09	--	76	0	17	8.1	38	49	2.0	9.0
	82-08-13	--	86	0	20	8.8	37	45	1.8	8.7
	83-03-17	<1	76	0	17	8.1	38	49	2.0	8.8
20/28E-33E01	55-05-26	--	72	0	16	7.7	35	48	1.9	7.6
	56-06-20	--	72	0	16	7.8	37	49	2.0	9.3
	57-11-05	--	73	0	18	6.8	35	48	1.8	8.8
	58-10-31	--	93	0	21	9.8	32	40	1.5	8.0
	59-10-21	--	71	0	17	6.9	38	50	2.0	9.3
	61-11-27	--	72	0	16	7.8	38	50	2.0	9.4
	63-04-10	--	71	0	16	7.5	37	49	2.0	9.4
	64-04-09	--	77	0	16	9.1	37	46	1.9	12
	65-03-17	--	72	0	16	7.8	37	49	2.0	8.9
	66-03-09	--	71	0	16	7.6	38	50	2.0	8.9
20/29E-01A01	82-08-12	--	84	0	19	8.8	39	47	1.9	9.0
	83-05-17	--	84	0	19	8.9	40	48	2.0	8.3
20/29E-11A01	50-04-00	--	127	8	31	12	21	26	.8	4.5
20/29E-18J01	60-10-19	--	44	0	8.5	5.6	35	61	2.3	4.2
20/29E-28C01	51-00-00	--	60	0	13	6.7	59	63	3.4	12
21/24E-31L01	60-10-18	--	126	11	36	8.7	17	22	.7	3.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				GRANT						
20/29E-32C01	57-11-05	172	--	0	--	141	--	28	10	.3
	58-10-31	170	--	0	--	139	--	28	10	.3
	59-10-21	156	--	0	--	128	--	25	9.2	.7
	61-11-27	155	--	0	--	127	--	24	8.8	.7
	63-04-10	155	--	0	--	127	--	26	9.2	.7
	64-04-09	205	--	0	--	168	--	38	16	.3
	65-03-17	196	--	0	--	161	--	35	14	.5
	66-03-09	190	--	0	--	156	--	34	14	.4
20/29E-32H01	43-00-00	136	--	--	--	112	--	24	13	--
	51-03-30	156	--	5	--	136	--	25	8.9	.6
	52-03-06	155	--	0	--	127	--	24	9.0	.6
	53-12-04	154	--	0	--	126	--	27	9.6	.6
	55-08-24	153	--	0	--	125	--	24	9.0	.6
	56-06-20	151	--	0	--	124	--	25	10	.6
	57-11-05	151	--	0	--	124	--	26	9.8	.6
	58-10-31	148	--	0	--	121	--	25	11	.8
	59-10-21	151	--	0	--	124	--	27	11	.7
	61-11-24	151	--	0	--	124	--	24	11	.7
	63-04-10	150	--	0	--	123	--	26	11	.7
	64-04-09	154	--	0	--	126	--	26	11	1.0
	65-03-17	152	--	0	--	125	--	26	12	.8
	66-03-09	152	--	0	--	125	--	26	12	.8
	82-08-13	--	155	--	.0	--	130	26	12	.6
	83-03-17	--	153	--	.0	--	128	26	11	.7
20/29E-33E01	55-05-26	152	--	0	--	125	--	23	9.0	.5
	56-06-20	150	--	0	--	123	--	24	9.2	.6
	57-11-05	151	--	0	--	124	--	24	9.0	.5
	58-10-31	152	--	0	--	125	--	24	9.0	.5
	59-10-21	152	--	0	--	125	--	25	9.5	.6
	61-11-27	151	--	0	--	124	--	24	9.5	.7
	63-04-10	151	--	0	--	124	--	23	9.5	.6
	64-04-09	159	--	0	--	130	--	26	8.2	.6
	65-03-17	154	--	0	--	126	--	23	10	.7
	66-03-09	154	--	0	--	126	--	22	9.0	.6
20/29E-01A01	82-08-12	--	159	--	.0	--	133	30	12	.6
	83-05-17	--	166	--	.0	--	132	28	12	.6
20/29E-11A01	50-04-00	145	--	0	--	119	--	21	13	.3
20/29E-18J01	60-10-19	127	--	0	--	104	--	15	1.5	.6
20/29E-28C01	51-00-00	170	--	0	--	139	--	35	22	1.0
21/24E-31L01	60-10-18	140	--	0	--	115	--	36	8.0	.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
20/28E-32C01	57-11-05	--	260	--	15	--	--
	58-10-31	50	259	246	12	--	--
	59-10-21	45	228	231	.10	--	--
	61-11-27	47	228	230	.00	--	--
	63-04-10	49	231	235	.00	--	--
	64-04-09	52	314	297	17	--	--
	65-03-17	47	302	278	18	--	--
	66-03-09	48	284	275	16	--	--
20/28E-32H01	43-00-00	54	220	225	--	--	--
	51-03-30	49	222	243	.20	--	--
	52-03-06	45	224	227	.30	--	--
	53-12-04	46	222	231	.40	--	--
	55-08-24	44	228	221	.80	--	--
	56-06-20	46	220	226	.30	--	--
	57-11-05	--	218	--	.10	--	--
	58-10-31	47	218	228	.00	--	--
	59-10-21	43	228	227	.20	--	--
	61-11-24	47	229	229	.00	--	--
	63-04-10	47	238	230	.00	--	--
	64-04-09	45	231	231	.30	--	--
	65-03-17	41	230	228	.10	--	--
	66-03-09	43	228	229	.00	--	--
	82-08-13	49	--	238	--	--	.60
	83-03-17	47	--	232	--	--	.29
20/28E-33E01	55-05-26	42	211	216	.10	--	--
	56-06-20	40	212	218	.10	--	--
	57-11-05	--	211	201	.20	--	--
	58-10-31	40	212	219	1.2	--	--
	59-10-21	42	218	223	.20	--	--
	61-11-27	42	218	222	.00	--	--
	63-04-10	43	228	220	.00	--	--
	64-04-09	42	228	229	.10	--	--
	65-03-17	37	217	216	.10	--	--
	66-03-09	38	211	216	.00	--	--
20/29E-01A01	82-08-12	46	--	243	--	--	<.10
	83-05-17	46	--	244	--	--	<.10
20/29E-11A01	50-04-00	44	234	218	20	--	--
20/29E-14J01	60-10-19	48	180	181	.90	--	--
20/29E-29C01	51-09-00	--	282	--	.00	--	--
21/24E-31L01	60-10-18	50	240	229	2.3	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
20/28E-32C01	57-11-05	20	--	--	--
	58-10-31	20	--	--	--
	59-10-21	120	--	--	--
	61-11-27	50	--	<50	--
	63-04-10	30	--	<50	--
	64-04-09	<10	--	<50	--
	65-03-17	30	--	<50	--
	66-03-09	20	--	<50	--
20/29E-32H01	43-00-00	--	0	--	--
	51-03-30	20	--	--	--
	52-03-06	30	--	--	--
	53-12-04	50	--	--	--
	55-09-24	<10	--	--	--
	56-06-20	40	--	--	--
	57-11-05	110	--	--	--
	58-10-31	40	--	--	--
	59-10-21	40	--	--	--
	61-11-24	60	--	<50	--
	63-04-10	<10	--	<50	--
	64-04-09	20	--	<50	--
	65-03-17	170	--	<50	--
	66-03-09	20	--	<50	--
	82-09-13	--	<3	--	<1
	83-03-17	--	6	--	1
20/28E-33E01	55-05-26	70	--	--	--
	56-06-20	60	--	--	--
	57-11-05	120	--	--	--
	58-10-31	770	--	--	--
	59-10-21	20	--	--	--
	61-11-27	30	--	<50	--
	63-04-10	80	--	<50	--
	64-04-09	30	--	<50	--
	65-03-17	90	--	<50	--
	66-03-09	40	--	<50	--
20/29E-01A01	82-08-12	--	7	--	18
	83-05-17	--	10	--	11
20/29E-11A01	50-04-00	100	--	--	--
20/29E-18J01	60-10-19	<10	--	--	--
20/29E-28C01	51-00-00	--	--	--	--
21/24E-31L01	60-10-18	80	--	--	--

Table 2.--Continued

GRANT

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
21/26E-08M01	47 19 48	119 35 36	01	--	55-07-22	1000	--	--	7.9	30.0
21/26E-08N01	47 19 34	119 35 26	01	--	55-07-22	450	--	--	7.6	28.0
21/26E-15E01	47 19 03	119 33 02	01	--	50-04-29	347	1278.00	334	7.4	14.5
21/26E-15H01	47 19 07	119 32 09	01	122GDRD	82-07-27	1850	1325.00	280	8.0	26.6
				122GDRD	83-03-18	1850	1325.00	285	7.5	25.2
21/26E-16R03	47 19 23	119 33 38	01	--	42-04-25	260	--	270	--	17.0
				--	55-07-22	260	--	--	--	29.0
				--	60-10-19	260	--	263	7.5	15.0
21/26E-21E01	47 18 19	119 34 20	01	--	55-07-22	618	--	--	8.1	25.5
21/26E-28A01	47 17 45	119 33 23	01	112GLCV	83-03-17	65	1240.00	650	7.5	13.4
21/29E-19F02	47 18 17	119 21 05	01	122WNPM	82-07-26	115	1160.00	380	7.7	15.7
21/29E-23D01	47 18 27	119 16 23	01	--	51-04-25	150	--	399	7.5	--
				--	60-10-19	150	--	530	7.9	14.5
				--	61-05-03	150	--	768	7.8	14.5
21/29E-36R01	47 15 53	119 14 02	01	122WNPM	82-07-26	138	1280.00	200	7.1	15.7
				122WNPM	83-03-18	138	1280.00	200	7.4	14.9
21/30E-03E01	47 20 31	119 02 29	01	--	60-10-19	651	1684.00	231	7.5	15.5
21/30E-03E02	47 20 32	119 02 25	01	122GDRD	82-09-08	1345	1670.00	405	8.2	22.9
				122GDRD	83-05-18	1345	1670.00	410	8.3	23.1
21/30E-23J01D1	47 17 45	118 59 59	01	122GDRD	82-09-08	1335	1680.00	372	8.6	23.1
				122GDRD	83-05-18	1335	1680.00	373	8.7	23.6
22/25E-05A01	47 26 11	119 42 30	01	121CRRV	78-05-24	150	1630.00	500	--	11.5
22/25E-13J02	47 24 14	119 37 10	01	--	60-10-19	118	2100.00	158	7.4	12.0
22/26E-04C02	47 26 27	119 34 02	01	122WNPM	82-09-09	105	2250.00	159	7.6	11.9
				122WNPM	83-05-17	105	2250.00	220	7.0	12.0
22/26E-12R01	47 25 36	119 29 47	01	--	56-03-06	78	--	792	7.5	--
22/26E-12R02	47 25 34	119 29 46	01	--	52-07-15	40	--	3580	7.3	--
22/26E-12R03	47 25 35	119 24 47	01	--	52-04-11	40	--	900	7.7	--
22/26E-12C01	47 25 30	119 30 13	01	--	53-01-23	49	1107.00	4560	9.4	--
22/26E-12C02	47 25 32	119 30 10	01	--	53-01-23	187	--	1820	7.7	--
22/26E-12F01	47 20 05	119 30 10	01	--	52-07-15	17	--	398	8.0	--
22/26E-12F02	47 25 18	119 30 11	01	--	52-07-15	43	--	5040	7.4	--
22/26E-13M01	47 24 12	119 30 25	01	--	51-05-00	330	1374.00	348	8.7	--
				--	53-09-00	330	--	196	8.0	--
22/26E-23M01	47 23 19	119 31 49	01	121CRRV	52-00-00	448	1404.00	282	6.8	--
22/26E-24Q06	47 23 02	119 29 44	09	--	52-06-00	123	--	286	7.4	--
22/26E-25M01	47 22 31	119 30 56	01	--	71-09-24	355	--	328	7.4	18.4
22/26E-36R01	47 21 56	119 29 47	01	122CRRV	82-07-27	451	1215.00	325	7.6	18.4
				122CRRV	83-05-17	451	1215.00	361	7.4	17.0
22/27E-19N01	47 23 18	119 29 03	01	--	55-07-22	466	--	--	7.9	27.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				GRANT						
21/26E-08M01	55-07-22	--	93	0	16	13	22	33	1.0	3.0
21/26E-08N01	55-07-22	--	97	0	19	12	12	21	.5	2.0
21/26E-15E01	50-04-29	--	137	0	30	15	15	19	.6	5.3
21/26E-15H01	82-07-27	--	89	0	20	9.5	24	35	1.1	4.7
	83-03-18	<1	91	0	20	10	25	36	1.2	4.7
21/26E-16B03	42-04-25	--	109	0	24	12	15	22	.6	3.9
	55-07-22	--	100	0	17	14	14	22	.6	5.0
	60-10-19	--	101	0	24	10	15	23	.7	5.0
21/26E-21E01	55-07-22	--	92	0	17	12	12	21	.6	4.0
21/26E-28A01	83-03-17	<1	285	33	63	31	25	16	.7	7.4
21/28E-19E02	82-07-26	--	141	0	35	13	26	28	1.0	5.2
21/28E-23D01	51-04-25	--	152	45	31	18	18	20	.7	5.0
	60-10-19	--	238	49	54	25	39	25	1.1	8.6
	61-05-03	--	301	98	71	30	48	25	1.2	9.2
21/28E-36B01	82-07-26	--	90	0	23	7.9	7.8	15	.4	3.4
	83-03-18	--	90	0	22	8.5	5.0	10	.2	3.5
21/30E-03E01	60-10-19	--	64	0	16	5.9	25	44	1.4	3.8
21/30E-03E02	82-09-08	--	72	0	22	4.2	48	55	2.6	10
	83-05-18	--	66	0	20	3.9	53	59	3.0	10
21/30E-23J01D1	82-09-08	--	50	0	16	2.4	55	65	3.5	11
	83-05-18	--	47	0	15	2.4	57	67	3.8	11
22/25E-05A01	78-05-24	--	213	53	49	22	24	19	.7	5.0
22/25E-13J02	60-10-19	--	63	0	14	6.9	8.4	22	.5	2.0
22/26E-04C02	82-09-09	--	63	4	15	6.1	6.1	17	.3	1.7
	83-05-17	--	83	16	20	8.1	7.6	16	.4	2.0
22/26E-12B01	56-03-06	--	302	105	70	31	45	24	1.2	8.6
22/26E-12B02	52-07-15	--	1126	478	220	140	490	48	6.5	30
22/26E-12B03	52-04-11	--	274	69	57	32	71	35	1.9	9.4
22/26E-12C01	53-01-23	--	1735	455	2.2	420	1120	58	12	50
22/26E-12C02	53-01-23	--	248	0	53	28	320	72	9.1	20
22/26E-12E01	52-07-15	--	23	0	4.8	2.7	85	86	7.9	5.0
22/26E-12E02	52-07-15	--	749	0	150	91	1000	73	16	38
22/26E-13M01	51-05-00	--	16	12	4.4	1.2	74	87	8.4	5.9
	53-09-00	--	76	1	22	5.2	9.7	21	.5	4.0
22/26E-23M01	52-00-00	--	99	0	20	12	15	24	.7	4.3
22/26E-24Q06	52-06-00	--	123	0	31	11	12	17	.5	4.7
22/26E-25M01	71-09-24	--	131	17	31	13	13	17	.5	3.9
22/26E-36B01	82-07-27	--	130	0	29	14	17	21	.7	5.0
	83-05-17	--	151	0	34	16	18	20	.7	5.1
22/27E-19N01	55-07-22	--	92	0	17	12	24	35	1.1	5.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				GRANT						
21/26E-08M01	55-07-22	150	--	--	--	123	--	12	7.0	--
21/26E-08N01	55-07-22	130	--	--	--	107	--	6.0	7.0	--
21/26E-15E01	50-04-29	182	--	0	--	149	--	14	5.8	.3
21/26E-15H01	82-07-27	--	156	--	.0	--	127	16	4.1	.5
	83-03-18	--	176	--	.0	--	128	16	4.3	.5
21/26E-16B03	42-04-25	150	--	0	--	123	--	11	4.3	.3
	55-07-22	150	--	--	--	123	--	6.0	7.0	--
	60-10-19	147	--	0	--	121	--	10	4.0	.4
21/26E-21E01	55-07-22	130	--	3	--	112	--	8.0	7.0	--
21/26E-28A01	83-03-17	--	304	--	.0	--	252	44	29	.3
21/28E-19E02	82-07-26	--	188	--	.0	--	158	22	7.6	.3
21/28E-23D01	51-04-25	130	--	0	--	107	--	31	26	.5
	60-10-19	230	--	0	--	189	--	87	27	.6
	61-05-03	260	--	0	--	213	--	130	37	.4
21/28E-36B01	82-07-26	--	114	--	.0	--	99	14	1.8	.2
	83-03-18	--	104	--	.0	--	90	15	2.2	.2
21/30E-03E01	60-10-19	118	--	0	--	97	--	10	5.0	.3
21/30E-03F02	82-09-08	--	132	--	.0	--	105	49	24	.6
	83-05-18	--	145	--	.0	--	110	48	25	.9
21/30E-23J01D1	82-09-08	--	124	--	5.0	--	115	35	20	.9
	83-05-18	--	133	--	13	--	122	34	20	1.1
22/25E-05A01	78-05-24	190	--	--	--	160	--	42	30	.5
22/25E-13J02	60-10-19	87	--	0	--	71	--	4.6	3.2	.4
22/26E-04C02	82-09-09	--	74	--	.0	--	59	<5.0	2.3	.2
	83-05-17	--	88	--	.0	--	67	10	10	.2
22/26E-12B01	56-03-06	240	--	0	--	197	--	140	45	.5
22/26E-12B02	52-07-15	790	--	--	--	648	--	750	540	--
22/26E-12B03	52-04-11	250	--	--	--	205	--	150	48	--
22/26E-12C01	53-01-23	936	--	305	--	1280	--	655	385	--
22/26E-12C02	53-01-23	570	--	0	--	468	--	290	150	--
22/26E-12F01	52-07-15	210	--	--	--	172	--	27	9.9	--
22/26E-12F02	52-07-15	1110	--	--	--	910	--	980	700	--
22/26E-13M01	51-05-00	3	--	1	--	4.0	--	.1	.3	2.6
	53-09-00	92	--	0	--	75	--	19	2.1	.4
22/26E-23M01	52-00-00	224	--	--	--	184	--	14	8.9	.9
22/26E-24D06	52-06-00	160	--	0	--	131	--	10	8.5	.3
22/26E-25M01	71-09-24	139	--	0	--	114	--	34	11	.4
22/26E-36B01	82-07-27	--	180	--	.0	--	145	15	5.1	.4
	83-05-17	--	215	--	.0	--	165	16	6.1	.4
22/27E-19N01	55-07-22	150	--	2	--	126	--	18	8.0	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
21/26E-08M01	55-07-22	46	201	193	--	--	--
21/26E-08N01	55-07-22	46	177	168	--	--	--
21/26E-15E01	50-04-29	58	233	233	4.1	--	--
21/26E-15H01	82-07-27	60	--	216	--	--	<.10
	83-03-18	59	--	226	--	--	<.10
21/26E-16B03	42-04-25	56	197	200	1.4	--	--
	55-07-22	50	206	187	--	--	--
	60-10-19	55	193	196	2.1	--	--
21/26E-21E01	55-07-22	64	195	194	--	--	--
21/26E-28A01	83-03-17	57	--	406	--	--	5.6
21/28E-19F02	82-07-26	42	--	244	--	--	3.9
21/28E-23D01	51-04-25	--	282	--	22	--	--
	60-10-19	37	407	391	12	--	--
	61-05-03	40	527	493	11	--	--
21/28E-36R01	82-07-26	23	--	137	--	--	.56
	83-03-18	22	--	130	--	--	.78
21/30E-03E01	60-10-19	46	177	170	6.3	--	--
21/30E-03E02	82-09-08	60	--	283	--	--	.11
	83-05-18	60	--	292	--	--	.15
21/30E-23 J01D1	82-09-08	68	--	278	--	--	<.10
	83-05-18	67	--	294	--	--	<.10
22/25E-05A01	78-05-24	45	347	311	--	6.4	--
22/25E-13J02	60-10-19	49	132	131	1.9	--	--
22/26E-04C02	82-09-09	48	--	--	--	--	1.5
	83-05-17	47	--	148	--	--	4.0
22/26E-12H01	56-03-06	--	568	--	.60	--	--
22/26E-12R02	52-07-15	--	--	--	--	--	--
22/26E-12R03	52-04-11	--	--	--	--	--	--
22/26E-12C01	53-01-23	--	--	--	--	--	--
22/26E-12C02	53-01-23	--	--	--	--	--	--
22/26E-12F01	52-07-15	--	--	--	--	--	--
22/26E-12F02	52-07-15	--	--	--	--	--	--
22/26E-13M01	51-05-00	--	278	--	.00	--	--
	53-09-00	--	152	--	.01	--	--
22/26E-23M01	52-00-00	--	212	--	9.9	--	--
22/26E-24Q06	52-06-00	--	--	--	2.5	--	--
22/26E-25M01	71-09-24	65	322	240	--	3.7	--
22/26E-36R01	82-07-27	58	--	232	--	--	.84
	83-05-17	58	--	259	--	--	1.1
22/27E-19M01	55-07-22	58	236	220	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
21/26E-08M01	55-07-22	10	--	--	--
21/26E-08N01	55-07-22	10	--	--	--
21/26E-15F01	50-04-29	40	--	--	--
21/26E-15H01	82-07-27	--	29	--	15
	83-03-18	--	24	--	21
21/26E-16R03	42-04-25	40	--	--	--
	55-07-22	20	--	--	--
	60-10-19	30	--	--	--
21/26E-21E01	55-07-22	20	--	--	--
21/26E-28A01	83-03-17	--	7	--	<1
21/28E-19F02	82-07-26	--	6	--	2
21/28E-23D01	51-04-25	--	--	--	--
	60-10-19	40	--	--	--
	61-05-03	60	--	--	--
21/28E-36R01	82-07-26	--	6	--	2
	83-03-18	--	5	--	1
21/30E-03E01	60-10-19	150	--	--	--
21/30E-03F02	82-09-08	--	6	--	5
	83-05-18	--	<3	--	3
21/30E-23J01D1	82-09-08	--	8	--	7
	83-05-18	--	7	--	5
22/25E-05A01	78-05-24	30	--	<10	--
22/25E-13J02	60-10-19	40	--	--	--
22/25E-04C02	82-09-09	--	7	--	2
	83-05-17	--	16	--	1
22/26E-12R01	56-03-06	<10	--	--	--
22/26E-12R02	52-07-15	--	--	--	--
22/26E-12R03	52-04-11	--	--	--	--
22/26E-12C01	53-01-23	--	--	--	--
22/26E-12C02	53-01-23	--	--	--	--
22/26E-12F01	52-07-15	--	--	--	--
22/26E-12F02	52-07-15	--	--	--	--
22/26E-13M01	51-05-00	--	--	--	--
	53-09-00	--	--	--	--
22/26E-23M01	52-00-00	--	--	--	--
22/26E-24Q06	52-06-00	--	--	--	--
22/26E-25M01	71-09-24	1900	--	<20	--
22/26E-36R01	82-07-27	--	8	--	3
	83-05-17	--	<3	--	2
22/27E-19N01	55-07-22	10	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				GRANT						
22/27E-22H01	47 23 30	119 24 33	01	122GDRD	82-07-26	345	1200.00	198	8.2	18.4
				122GDRD	83-03-17	345	1200.00	175	8.1	17.1
22/27E-23P01	47 23 02	119 22 59	01	--	50-04-00	258	1194.00	316	8.1	--
22/27E-30P03	47 22 11	119 28 52	01	121CRRV	60-10-19	120	--	1370	7.7	14.5
				121CRRV	61-05-03	120	--	939	7.8	14.0
22/28E-03K01	47 25 44	119 16 54	01	--	71-05-20	170	--	405	7.7	12.5
22/28E-09C01	47 25 29	119 18 34	01	--	54-08-11	--	--	--	7.2	16.0
22/28E-09D01	47 25 28	119 19 00	01	--	54-08-11	192	--	--	7.4	14.0
22/28E-23D01	47 22 03	119 18 35	01	121CRRV	71-09-28	552	--	341	8.2	19.6
22/30E-13H01	47 24 02	118 58 57	01	--	60-10-19	42	1290.00	465	7.6	12.0
				--	61-05-03	42	--	389	7.6	11.0
23/27E-10R01	47 30 45	119 24 38	01	122CRRV	82-07-27	830	1855.00	261	7.9	20.3
				122CRRV	83-03-17	830	1855.00	255	8.0	15.5
23/28E-36E01	47 26 50	119 15 14	01	--	51-04-25	187	--	427	7.4	--
23/29E-16E01	47 29 27	119 11 23	01	122GDRD	82-07-27	935	1590.00	275	8.0	19.2
24/28E-03P01	47 36 32	119 15 52	01	122GDRD	82-07-27	550	1610.00	305	7.8	18.5
				122GDRD	83-03-17	550	1610.00	258	8.0	17.7
24/29E-27P01	47 32 24	119 09 30	01	122WNPM	82-07-27	242	1805.00	700	7.8	13.1
25/30E-05L01	47 41 18	119 04 21	01	122WNPM	82-07-27	220	1885.00	595	7.9	--
28/30E-15E01	47 55 42	119 02 11	01	--	62-10-31	165	--	501	7.9	14.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
					GRANT					
22/27E-22H01	82-07-26	--	44	0	11	4.0	24	51	1.6	5.1
	83-03-17	<1	36	0	8.6	3.5	26	57	1.9	5.1
22/27E-23P01	50-04-00	--	73	0	16	8.1	40	51	2.1	7.2
22/27E-30P03	60-10-19	--	642	393	145	68	76	20	1.3	9.9
	61-05-03	--	282	23	70	26	110	45	2.9	8.0
22/28E-03K01	71-05-20	--	144	0	33	15	27	28	1.0	7.1
22/28E-09C01	54-08-11	--	148	0	28	19	23	24	.8	6.6
22/28E-09D01	54-09-11	--	224	52	50	24	30	22	.9	8.6
22/28E-28D01	71-09-28	--	96	0	22	9.9	36	43	1.6	6.3
22/30E-13H01	60-10-19	--	154	0	37	15	37	33	1.3	7.5
	61-05-03	--	125	0	32	11	34	36	1.4	6.1
23/27E-10R01	82-07-27	--	84	0	19	8.9	22	35	1.1	5.1
	83-03-17	<1	85	0	19	9.1	22	34	1.1	4.9
23/28E-36E01	51-04-25	--	152	0	33	17	32	31	1.2	4.7
23/29E-16E01	82-07-27	--	83	0	19	8.6	28	40	1.4	5.4
24/28E-03B01	82-07-27	--	98	0	21	11	20	29	.9	5.1
	83-03-17	<1	98	0	21	11	19	28	.9	4.9
24/29E-27P01	82-07-27	--	205	70	39	26	55	36	1.7	9.2
25/30E-05L01	82-07-27	--	210	37	46	23	43	30	1.3	4.9
28/30E-15E01	62-10-31	--	174	35	40	18	35	29	1.2	8.4

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					GRANT					
22/27E-22H01	82-07-26	--	98	--	.0	--	75	18	2.8	.7
	83-03-17	--	107	--	.0	--	80	16	2.4	.8
22/27E-23R01	50-04-00	172	--	0	--	141	--	17	6.1	.9
22/27E-30P03	60-10-19	304	--	0	--	249	--	468	50	1.4
	61-05-03	316	--	0	--	259	--	216	24	.8
22/28E-03K01	71-05-20	205	--	0	--	168	--	30	8.0	.4
22/28E-09C01	54-08-11	200	--	--	--	164	--	24	14	--
22/28E-09D01	54-08-11	210	--	--	--	172	--	85	25	--
22/28E-28D01	71-09-28	194	--	0	--	159	--	25	5.4	.5
22/30E-13H01	60-10-19	228	--	0	--	187	--	27	9.8	.7
	61-05-03	202	--	0	--	166	--	23	8.5	.8
23/27E-10R01	82-07-27	--	135	--	.0	--	103	25	3.3	.6
	83-03-17	--	157	--	.0	--	112	25	3.3	.7
23/28E-36E01	51-04-25	220	--	0	--	180	--	26	14	.5
23/29E-16E01	82-07-27	--	163	--	.0	--	139	13	4.0	.6
24/28E-03R01	82-07-27	--	158	--	.0	--	132	13	3.4	.4
	83-03-17	--	179	--	.0	--	126	13	3.5	.4
24/29E-27P01	82-07-27	--	169	--	.0	--	135	54	65	.5
25/30E-05L01	82-07-27	--	207	--	.0	--	173	90	35	.5
28/30E-15E01	62-10-31	169	--	0	--	139	--	90	12	.8

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			GRANT				
22/27E-22H01	82-07-26	54	--	168	--	--	.30
	83-03-17	57	--	172	--	--	.19
22/27E-23R01	50-04-00	49	220	229	.00	--	--
22/27E-30R03	60-10-19	41	1060	1009	3.1	--	--
	61-05-03	41	664	651	5.9	--	--
22/28E-03K01	71-05-20	40	274	261	--	1.7	--
22/28E-09C01	54-08-11	--	--	--	--	--	--
22/28E-09D01	54-08-11	--	--	--	--	--	--
22/28E-28Q01	71-09-28	67	284	267	--	.38	--
22/30E-13H01	60-10-19	30	296	276	13	--	--
	61-05-03	33	256	248	3.2	--	--
23/27E-10B01	82-07-27	56	--	206	--	--	.15
	83-03-17	47	--	209	--	--	<.10
23/28E-36F01	51-04-25	--	286	--	1.2	--	--
23/29E-16E01	82-07-27	57	--	216	--	--	<.10
24/28E-03R01	82-07-27	56	--	208	--	--	.32
	83-03-17	54	--	215	--	--	.29
24/29E-27P01	82-07-27	49	--	381	--	--	12
25/30E-05L01	82-07-27	49	--	383	--	--	4.1
28/30E-15E01	62-10-31	32	--	319	6.1	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
	GRANT				
22/27E-22H01	82-07-26	--	<3	--	<1
	83-03-17	--	14	--	1
22/27E-23P01	50-04-00	200	--	--	--
22/27E-30P03	60-10-19	50	--	--	--
	61-05-03	<10	--	--	--
22/28E-03K01	71-05-20	60	--	<20	--
22/28E-09C01	54-08-11	--	--	--	--
22/28E-09D01	54-08-11	--	--	--	--
22/28E-28Q01	71-09-28	50	--	<20	--
22/30E-13H01	60-10-19	740	--	--	--
	61-05-03	290	--	--	--
23/27E-10B01	82-07-27	--	17	--	14
	83-03-17	--	370	--	19
23/28E-36F01	51-04-25	--	--	--	--
23/29E-16F01	82-07-27	--	31	--	20
24/28E-03B01	82-07-27	--	68	--	5
	83-03-17	--	6	--	1
24/29E-27P01	82-07-27	--	7	--	<1
25/30E-05L01	82-07-27	--	4	--	3
28/30E-15F01	62-10-31	960	--	<50	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				LINCOLN						
21/31E-10M02	47 19 25	118 55 48	01	--	72-07-11	750	--	278	7.5	16.0
				--	72-08-08	750	--	494	8.2	26.8
				--	72-09-13	750	--	409	9.0	30.4
21/32E-08L01	47 19 20	118 49 02	01	121CRRV	70-10-02	550	--	313	8.2	14.6
21/32E-12B01	47 19 59	118 43 49	01	--	71-05-20	41	--	391	8.5	8.3
21/32E-12H01D1	47 19 47	118 43 32	02	122CRRV	82-07-22	225	1535.00	380	7.9	13.9
				122CRRV	83-05-27	225	1535.00	455	7.8	14.2
21/32E-31C01	47 16 27	118 50 24	01	122CRRV	83-06-03	744	1813.00	430	8.1	20.1
21/33E-08K01	47 19 24	118 41 20	01	122CRRV	82-07-26	595	1692.00	410	8.2	16.0
				122CRRV	83-05-26	595	1692.00	410	8.2	16.1
21/33E-24R01	47 18 09	118 36 09	01	122WNPM	82-07-23	120	1665.00	1140	7.3	13.4
				122WNPM	83-05-26	120	1665.00	1750	7.3	13.6
21/34E-14M01	47 18 40	118 30 10	01	122WNPM	83-06-03	150	1620.00	860	7.2	13.8
21/34E-21K01	47 17 37	118 32 19	01	122CRRV	82-07-23	737	1940.00	520	8.0	19.9
				122CRRV	83-05-27	737	1940.00	465	8.0	19.8
21/34E-35A01	47 16 30	118 29 22	01	122WNPM	82-07-23	337	1975.00	405	8.0	15.1
				122WNPM	83-05-26	337	1975.00	398	8.0	15.3
21/36E-27P02	47 16 44	118 15 45	01	122WNPM	82-07-22	200	1915.00	326	8.1	15.0
				122WNPM	83-05-31	200	1915.00	372	7.9	14.4
21/38E-14J01	47 18 35	117 58 28	01	122WNPM	82-07-21	178	2020.00	372	8.2	16.1
				122WNPM	83-06-02	178	2020.00	391	7.9	15.2
21/38E-23L01	47 17 49	117 58 52	01	122GDRD	82-07-21	502	1910.00	248	8.4	21.4
				122GDRD	83-06-20	502	1910.00	250	8.1	21.1
21/38E-24N01	47 17 55	117 57 28	01	121CRRV	61-05-02	18	--	252	8.0	10.5
21/39E-09C01	47 19 44	117 53 42	01	121CRRV	61-10-13	391	--	206	7.6	12.2
				121CRRV	62-10-02	381	--	204	6.6	18.3
				121CRRV	64-04-29	391	--	206	7.3	12.2
				121CRRV	65-03-16	391	--	123	6.7	6.7
21/39E-09C02	47 19 43	117 53 43	01	--	61-10-11	368	--	199	7.6	12.2
				--	62-10-02	368	--	194	7.4	15.6
				--	64-04-29	368	--	206	7.1	11.7
				--	65-03-16	368	--	195	7.4	8.3
21/39E-09C03	47 19 41	117 53 45	01	--	65-03-16	--	--	350	7.4	7.8
22/31E-21F01	47 23 18	118 55 37	01	122GDRD	82-07-26	100	1330.00	560	7.5	14.5
				122GDRD	83-05-31	100	1330.00	550	7.7	15.2
22/32E-30D01	47 22 28	118 50 57	01	122CRRV	83-06-03	505	1668.00	310	8.2	18.9
22/33E-02K01	47 25 40	118 37 16	01	122WNPM	82-07-25	165	1925.00	453	7.9	13.1
				122WNPM	83-06-02	165	1925.00	465	7.7	12.9
22/33E-17N01	47 23 47	118 41 41	01	122CRRV	83-06-03	615	1925.00	325	8.1	21.9
22/33E-27E01	47 22 18	118 39 17	02	121CRRV	62-05-01	405	--	320	8.2	17.2

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				LINCOLN						
21/31E-10M02	72-07-11	--	51	0	13	4.6	37	58	2.3	6.1
	72-08-09	--	30	0	7.6	2.6	100	85	8.3	6.6
	72-09-13	--	241	151	96	.4	82	42	2.4	6.8
21/32E-08L01	70-10-02	--	65	0	15	6.6	37	51	2.1	10
21/32E-12P01	71-05-20	--	149	0	35	15	26	26	1.0	6.2
21/32E-12H01D1	82-07-22	--	148	0	36	14	22	24	.8	4.9
	83-05-27	--	184	0	44	18	23	21	.8	5.1
21/32E-31C01	83-06-03	--	108	0	25	11	44	44	1.9	9.7
21/33E-08K01	82-07-26	--	101	0	24	10	48	49	2.1	6.3
	83-05-26	<1	101	0	24	10	48	49	2.1	5.9
21/33E-24R01	82-07-23	--	639	414	150	64	110	27	2.0	6.7
	83-05-26	--	613	399	140	64	110	28	2.0	7.1
21/34E-14M01	83-06-03	--	358	216	84	36	33	16	.8	9.5
21/34E-21K01	82-07-23	--	192	0	47	18	38	29	1.2	5.8
	83-05-27	--	166	0	40	16	39	33	1.4	5.7
21/34E-35A01	82-07-23	--	146	0	27	19	27	28	1.0	3.5
	83-05-26	<1	137	0	25	18	29	31	1.1	3.6
21/36E-27P02	82-07-22	--	111	0	23	13	29	35	1.2	3.9
	83-05-31	<1	113	0	22	14	29	35	1.2	3.7
21/38E-14J01	82-07-21	--	131	8	26	16	21	25	.8	5.9
	83-06-02	<1	75	0	15	9.0	8.9	20	.5	2.9
21/38E-23L01	82-07-21	--	52	0	15	3.6	34	56	2.1	5.0
	83-06-20	--	50	0	14	3.7	33	56	2.1	4.9
21/38E-24H01	61-05-02	--	100	0	27	7.9	13	21	.6	3.7
21/39E-09C01	61-10-13	--	77	0	18	7.7	13	26	.7	3.2
	62-10-02	--	71	0	14	8.7	17	33	.9	2.7
	64-04-29	--	72	0	13	9.6	17	33	.9	2.5
	65-03-16	--	44	2	11	4.0	6.0	21	.4	3.0
21/39E-09C02	61-10-11	--	67	0	13	8.4	17	34	.9	2.9
	62-10-02	--	69	0	14	8.2	15	31	.8	2.7
	64-04-29	--	74	0	16	8.2	10	22	.5	2.8
	65-03-16	--	69	11	15	7.6	10	23	.5	3.0
21/39E-09C03	65-03-16	--	131	8	31	13	20	24	.8	4.3
22/31E-21F01	82-07-26	--	205	0	49	20	37	27	1.2	7.4
	83-05-31	--	200	0	47	20	37	28	1.2	7.1
22/32E-30D01	83-06-03	--	89	0	21	8.8	33	43	1.6	5.6
22/33E-02K01	82-07-25	--	169	41	43	15	22	22	.8	3.8
	83-06-02	<1	182	46	45	17	23	21	.8	3.5
22/33E-17N01	83-06-03	--	43	0	11	3.7	54	70	3.7	6.4
22/33E-27E01	62-05-01	--	50	0	13	4.2	52	66	3.3	6.7

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					LINCOLN					
21/31E-10M02	72-07-11	137	--	0	--	112	--	14	6.2	.7
	72-08-08	211	--	0	--	173	--	19	16	13
	72-09-13	110	--	0	--	90	--	10	13	3.8
21/32E-08L01	70-10-02	149	--	0	--	122	--	21	8.1	.5
21/32E-12R01	71-05-20	155	--	23	--	174	--	23	8.7	.3
21/32E-12H0101	82-07-22	--	204	--	.0	--	158	19	12	.3
	83-05-27	--	234	--	.0	--	184	26	15	.3
21/32E-31C01	83-06-03	--	156	--	.0	--	129	63	14	.6
21/33E-08K01	82-07-26	--	217	--	.0	--	178	20	10	.9
	83-05-26	--	225	--	.0	--	179	21	10	1.0
21/33E-24B01	82-07-23	--	254	--	.0	--	225	250	250	.3
	83-05-26	--	270	--	.0	--	214	240	260	.3
21/34E-14M01	83-06-03	--	176	--	.0	--	142	250	18	.3
21/34E-21K01	82-07-23	--	267	--	.0	--	213	29	18	.5
	83-05-27	--	285	--	.0	--	227	17	7.9	.6
21/34E-35A01	82-07-23	--	190	--	.0	--	157	17	19	.4
	83-05-26	--	197	--	.0	--	153	18	13	.5
21/36E-27B02	82-07-22	--	169	--	.0	--	150	22	9.0	.7
	83-05-31	--	170	--	.0	--	139	24	11	.8
21/38E-14J01	82-07-21	--	151	--	.0	--	123	16	32	.4
	83-06-02	--	156	--	.0	--	85	7.8	2.8	.3
21/38E-23L01	82-07-21	--	140	--	5.0	--	126	<5.0	3.0	.9
	83-06-20	--	156	--	.0	--	128	3.0	3.0	.9
21/39E-24N01	61-05-02	133	--	0	--	109	--	16	3.8	.3
21/39E-09C01	61-10-13	117	--	0	--	96	--	9.2	4.0	.4
	62-10-02	124	--	0	--	102	--	5.2	1.5	.4
	64-04-29	123	--	0	--	101	--	5.4	1.5	.6
	65-03-16	51	--	0	--	42	--	12	2.0	.2
21/39E-09C02	61-10-11	121	--	0	--	99	--	5.2	2.0	.5
	62-10-02	116	--	0	--	95	--	6.6	1.5	.4
	64-04-29	78	--	0	--	64	--	17	4.0	.4
	65-03-16	71	--	0	--	58	--	18	2.8	.4
21/39E-09C03	65-03-16	150	--	0	--	123	--	32	14	.3
22/31E-21F01	82-07-26	--	301	--	.0	--	247	25	11	.5
	83-05-31	--	309	--	.0	--	249	24	12	.5
22/32E-30D01	83-06-03	--	176	--	.0	--	142	16	6.8	.7
22/33E-02K01	82-07-25	--	159	--	.0	--	128	25	24	.3
	83-06-02	--	176	--	.0	--	136	28	23	.3
22/33E-17N01	83-06-03	--	176	--	.0	--	142	17	8.6	.9
22/33E-27E01	62-05-01	178	--	0	--	146	--	11	7.5	1.0

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			LINCOLN				
21/31E-10M02	72-07-11	47	236	196	--	1.0	--
	72-08-08	87	452	356	--	.20	--
	72-09-13	100	334	366	--	.00	--
21/32E-08L01	70-10-02	42	219	213	1.6	--	--
21/32E-12R01	71-05-20	37	274	279	--	1.8	--
21/32E-12H01D1	82-07-22	40	--	249	--	--	1.3
	83-05-27	40	--	286	--	--	2.1
21/32E-31C01	83-06-03	47	--	291	--	--	<.10
21/33E-09K01	82-07-26	44	--	270	--	--	<.10
	83-05-26	44	--	275	--	--	<.10
21/33E-24L01	82-07-23	39	--	996	--	--	21
	83-05-26	38	--	992	--	--	19
21/34E-14M01	83-06-03	41	--	558	--	--	7.8
21/34E-21K01	82-07-23	47	--	335	--	--	.84
	83-05-27	46	--	312	--	--	<.10
21/34E-35A01	82-07-23	50	--	257	--	--	4.5
	83-05-26	49	--	253	--	--	4.5
21/36E-27P02	82-07-22	46	--	230	--	--	.16
	83-05-31	45	--	233	--	--	.21
21/38E-14J01	82-07-21	42	--	234	--	--	.20
	83-06-02	44	--	157	--	--	.57
21/38E-23L01	82-07-21	63	--	--	--	--	.22
	83-06-20	58	--	197	--	--	.22
21/38E-24H01	61-05-02	34	175	171	5.1	--	--
21/39E-09C01	61-10-13	33	147	146	.20	--	--
	62-10-02	46	152	156	.10	--	--
	64-04-29	46	153	156	.20	--	--
	65-03-16	35	103	98	2.4	--	--
21/39E-09C02	61-10-11	46	155	154	.20	--	--
	62-10-02	44	143	149	.20	--	--
	64-04-29	39	151	136	11	--	--
	65-03-16	37	146	129	17	--	--
21/39E-09C03	65-03-16	38	236	226	5.0	--	--
22/31E-21F01	82-07-26	49	--	347	--	--	.13
	83-05-31	47	--	346	--	--	.17
22/32E-30D01	83-06-03	48	--	226	--	--	<.10
22/33E-02K01	82-07-25	45	--	257	--	--	11
	83-06-02	44	--	270	--	--	9.8
22/33E-17N01	83-06-03	53	--	241	--	--	<.10
22/33E-27E01	62-05-01	55	--	238	.10	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
		LINCOLN			
21/31E-10M02	72-07-11	--	--	--	--
	72-08-08	--	--	--	--
	72-09-13	250	--	0	--
21/32E-09L01	70-10-02	30	--	<20	--
21/32E-12R01	71-05-20	30	--	<20	--
21/32E-12Q01D1	82-07-22	--	3	--	<1
	83-05-27	--	13	--	<1
21/32E-31C01	83-06-03	--	<3	--	<1
21/33E-08K01	82-07-26	--	66	--	24
	83-05-26	--	71	--	23
21/33E-24R01	82-07-23	--	10	--	2
	83-05-26	--	19	--	<1
21/34E-14M01	83-06-03	--	5	--	<1
21/34E-21K01	82-07-23	--	5	--	7
	83-05-27	--	13	--	14
21/34E-35A01	82-07-23	--	<3	--	<1
	83-05-26	--	<3	--	<1
21/34E-27P02	82-07-22	--	6	--	7
	83-05-31	--	<3	--	8
21/38E-14J01	82-07-21	--	26	--	9
	83-06-02	--	11	--	2
21/38E-23L01	82-07-21	--	11	--	6
	83-06-20	--	7	--	5
21/38E-24H01	61-05-02	<10	--	--	--
21/39E-09C01	61-10-13	60	--	<50	--
	62-10-02	50	--	<50	--
	64-04-29	40	--	<50	--
	65-03-16	260	--	<50	--
21/39E-09C02	61-10-11	60	--	<50	--
	62-10-02	30	--	<50	--
	64-04-29	50	--	<50	--
	65-03-16	30	--	<50	--
21/39E-09C03	65-03-16	10	--	<50	--
22/31E-21E01	82-07-26	--	<3	--	5
	83-05-31	--	<3	--	9
22/32E-30D01	83-06-03	--	<3	--	2
22/33E-02K01	82-07-25	--	5	--	4
	83-06-02	--	10	--	2
22/33E-17N01	83-06-03	--	18	--	2
22/33E-27E01	62-05-01	250	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				LINCOLN						
22/34E-18M01	47 23 49	118 35 17	01	122WNPM	82-07-23	45	1785.00	380	7.0	12.5
				122WNPM	83-06-01	45	1785.00	371	7.2	13.2
22/34E-26D01	47 22 26	118 30 09	01	--	70-10-02	515	--	265	7.9	15.2
22/34E-26D01	47 22 16	118 29 48	01	--	61-10-13	267	--	260	7.6	15.6
				--	62-10-03	267	--	270	7.2	13.3
				--	64-04-29	267	--	318	7.1	11.1
				--	65-03-16	267	--	354	7.2	19.5
22/34E-26D02	47 22 01	118 30 02	01	--	61-10-13	268	--	258	7.6	15.5
				--	62-10-03	268	--	263	7.3	16.7
				--	64-04-29	268	--	329	7.3	12.2
22/35E-13H01	47 24 00	118 20 12	01	122WNPM	82-07-22	67	1992.00	880	7.6	12.7
				122WNPM	83-06-01	67	1992.00	860	7.5	11.8
22/35E-23E01D1	47 23 08	118 22 39	02	122CRRV	82-07-22	346	1918.00	330	7.6	13.1
				122CRRV	83-06-01	346	1918.00	340	7.7	11.1
22/36E-18N02D1	47 23 36	118 20 02	01	122CRRV	82-07-22	212	2040.00	530	7.4	11.3
				122CRRV	83-06-01	212	2040.00	520	7.4	12.4
22/37E-12C02D1	47 25 16	118 05 33	01	122CRRV	82-07-22	510	2190.00	325	8.0	15.3
				122CRRV	83-06-01	510	2190.00	315	8.1	15.7
22/38E-02D01D1	47 26 05	117 59 25	01	122WNPM	82-07-21	300	2260.00	315	7.7	12.9
22/39E-36H01	47 21 28	117 49 26	01	122CRRV	82-07-20	154	2050.00	190	7.7	14.4
				122CRRV	83-06-02	154	2050.00	194	7.3	13.9
23/31E-33E01	47 26 38	118 56 01	01	122GRRD	82-09-08	685	1715.00	315	8.9	19.4
				122GRRD	83-06-02	685	1715.00	310	8.7	19.3
23/33E-10A01	47 30 18	118 38 14	01	122WNPM	82-07-27	146	2080.00	850	7.6	17.8
				122WNPM	83-06-02	146	2080.00	843	7.7	14.3
23/35E-03H01D1	47 31 00	118 22 40	01	122CRRV	82-07-23	445	2315.00	380	8.2	14.1
				122CRRV	83-06-01	445	2315.00	400	8.3	13.5
23/35E-30F01	47 27 35	118 27 12	01	122WNPM	82-07-23	240	2110.00	485	7.5	12.5
				122WNPM	83-06-02	240	2110.00	581	7.8	14.0
23/36E-13N01	47 28 46	118 13 38	01	122WNPM	82-07-22	247	2295.00	490	7.6	12.1
				122WNPM	83-06-02	247	2295.00	490	7.8	12.0
23/37E-29F01	47 27 28	118 10 45	01	122WNPM	61-05-02	213	2175.00	429	7.9	9.0
				122WNPM	82-07-22	213	2175.00	350	7.6	12.9
				122WNPM	83-06-02	213	2175.00	310	7.7	11.9
23/38E-12A01	47 30 20	117 57 09	01	122WNPM	82-07-21	100	2340.00	275	8.0	12.7
				122WNPM	83-06-20	100	2340.00	279	8.0	12.4
23/39E-04A01	47 31 07	117 53 33	01	122CRRV	82-07-21	300	2395.00	280	7.7	10.9
24/31E-14E01	47 34 31	118 53 19	01	122WNPM	82-07-23	250	1995.00	278	8.2	14.8
				122WNPM	83-06-03	250	1995.00	268	8.2	14.6
24/31E-16F01	47 34 33	118 56 03	01	121CRRV	71-01-08	750	1845.00	270	7.9	17.5

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				LINCOLN						
22/34E-18M01	82-07-23	--	136	33	28	16	24	27	.9	4.0
	83-06-01	<1	131	28	26	16	23	27	.9	3.9
22/34E-26D01	70-10-02	--	95	0	22	9.8	16	19	.7	38
22/34E-26D01	61-10-13	--	95	0	22	9.8	16	26	.7	3.8
	62-10-03	--	94	0	22	9.4	19	30	.9	4.0
	64-04-29	--	118	0	26	13	19	25	.8	4.0
	65-03-16	--	133	0	30	14	19	23	.7	4.2
22/34E-26D02	61-10-13	--	95	0	23	9.2	17	27	.8	3.8
	62-10-03	--	95	0	22	9.8	17	27	.8	3.9
	64-04-29	--	119	1	28	12	18	24	.7	4.1
22/35E-13H01	82-07-22	--	183	0	42	19	120	58	4.0	6.4
	83-06-01	<1	178	0	40	19	120	58	4.0	6.4
22/35E-23E01D1	82-07-22	--	146	4	37	13	20	22	.7	3.5
	83-06-01	<1	126	0	29	13	19	24	.8	3.4
22/36E-18N02D1	82-07-22	--	241	54	60	22	18	14	.5	2.5
	83-06-01	--	235	70	58	22	18	14	.5	2.4
22/37E-12C02D1	82-07-22	--	99	0	20	12	33	41	1.5	3.9
	83-06-01	<1	92	0	17	12	33	43	1.5	3.8
22/38E-02D01D1	82-07-21	--	138	0	37	11	14	18	.5	2.3
22/39E-36H01	82-07-20	--	79	0	16	9.4	9.6	20	.5	2.8
	83-06-02	<1	137	9	27	17	21	24	.8	5.8
23/31E-33E01	82-09-08	--	38	0	9.0	3.7	56	73	4.1	5.6
	83-06-02	--	34	0	8.2	3.3	56	75	4.3	5.7
23/33E-10A01	82-07-27	--	336	209	85	30	23	13	.6	4.9
	83-06-02	<1	395	264	99	36	22	11	.5	4.9
23/35E-03H01D1	82-07-23	--	108	0	17	16	37	40	1.6	11
	83-06-01	<1	111	0	18	16	36	39	1.5	11
23/35E-30E01	82-07-23	--	219	62	53	21	16	14	.5	2.6
	83-06-02	<1	248	107	58	25	17	13	.5	2.7
23/36E-13N01	82-07-22	--	213	51	54	19	21	17	.6	2.9
	83-06-02	<1	205	65	54	17	17	15	.5	2.6
23/37E-29E01	61-05-02	--	174	0	40	18	26	24	.9	2.0
	82-07-22	--	127	0	26	15	21	26	.8	2.4
	83-06-02	<1	122	0	24	15	21	27	.8	2.1
23/38E-12A01	82-07-21	--	103	0	23	11	18	27	.8	3.2
	83-06-20	--	103	0	23	11	18	27	.8	3.1
23/39E-04B01	82-07-21	--	108	0	27	9.9	15	23	.6	1.7
24/31E-14E01	82-07-23	--	75	0	12	11	29	43	1.5	7.5
	83-06-03	<1	75	0	12	11	27	41	1.4	7.7
24/31E-16E01	71-01-08	--	77	0	16	9.0	24	38	1.2	5.3

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
				LINCOLN						
22/34E-18M01	82-07-23	--	116	--	.0	--	103	66	17	.3
	83-06-01	--	129	--	.0	--	103	53	20	.3
22/34E-26D01	70-10-02	140	--	0	--	115	--	11	5.2	.4
22/34E-26D01	61-10-13	141	--	0	--	116	--	9.8	5.2	.4
	62-10-03	142	--	0	--	116	--	11	8.5	.5
	64-04-29	145	--	0	--	119	--	24	11	.4
	65-03-16	150	--	0	--	123	--	33	14	.3
22/34E-26D02	61-10-13	142	--	0	--	116	--	11	5.0	.4
	62-10-03	143	--	0	--	117	--	10	5.5	.4
	64-04-29	144	--	0	--	118	--	27	12	.4
22/35E-13H01	82-07-22	--	378	--	.0	--	310	85	47	.6
	83-06-01	--	381	--	.0	--	306	78	49	.7
22/35E-23E01D1	82-07-22	--	161	--	.0	--	142	20	12	.4
	83-06-01	--	158	--	.0	--	130	22	15	.4
22/36E-18N02D1	82-07-22	--	206	--	.0	--	187	52	29	.3
	83-06-01	--	213	--	.0	--	165	51	27	.3
22/37E-12C02D1	82-07-22	--	190	--	.0	--	158	11	5.1	.6
	83-06-01	--	190	--	.0	--	155	8.9	5.1	.6
22/38E-02D01D1	82-07-21	--	156	--	.0	--	143	11	6.1	.3
22/39E-36H01	82-07-20	--	116	--	.0	--	104	<5.0	1.6	.3
	83-06-02	--	88	--	.0	--	128	15	38	.4
23/31E-33E01	82-09-08	--	135	--	16	--	133	12	8.0	1.2
	83-06-02	--	161	--	8.0	--	144	12	8.1	1.4
23/33E-10A01	82-07-27	--	153	--	.0	--	127	64	91	.3
	83-06-02	--	170	--	.0	--	131	80	120	.3
23/35E-03H01D1	82-07-23	--	204	--	.0	--	166	24	13	.5
	83-06-01	--	203	--	.0	--	163	24	11	.5
23/35E-30E01	82-07-23	--	177	--	.0	--	157	25	35	.3
	83-06-02	--	176	--	.0	--	141	31	45	.3
23/36E-13N01	82-07-22	--	177	--	.0	--	162	32	32	.3
	83-06-02	--	172	--	.0	--	140	31	26	.3
23/37E-29E01	61-05-02	228	--	0	--	187	--	12	10	.3
	82-07-22	--	177	--	.0	--	150	11	7.7	.3
	83-06-02	--	182	--	.0	--	142	11	6.7	.3
23/38E-12A01	82-07-21	--	161	--	.0	--	135	11	3.3	.5
	83-06-20	--	168	--	.0	--	137	10	3.1	.5
23/39E-04R01	82-07-21	--	127	--	.0	--	115	12	6.8	.3
24/31E-14E01	82-07-23	--	177	--	.0	--	111	18	7.0	.7
	83-06-03	--	157	--	.0	--	119	17	5.0	.7
24/31E-16F01	71-01-08	137	--	0	--	112	--	14	5.2	.6

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			LINCOLN				
22/34E-18M01	82-07-23	45	--	257	--	--	1.7
	83-06-01	43	--	249	--	--	1.3
22/34E-26D01	70-10-02	39	183	210	1.5	--	--
22/34E-26D01	61-10-13	42	177	178	1.4	--	--
	62-10-03	42	198	196	1.4	--	--
	64-04-29	42	218	211	3.6	--	--
	65-03-16	38	223	226	5.3	--	--
22/34E-26D02	61-10-13	41	181	180	1.4	--	--
	62-10-03	43	184	182	1.9	--	--
	64-04-29	48	218	220	3.2	--	--
22/35E-13H01	82-07-22	47	--	554	--	--	<.10
	83-06-01	45	--	547	--	--	<.10
22/35E-23E01D1	82-07-22	42	--	227	--	--	1.3
	83-06-01	39	--	219	--	--	1.7
22/36E-18N02D1	82-07-22	44	--	329	--	--	4.3
	83-06-01	43	--	326	--	--	4.4
22/37E-12C02D1	82-07-22	44	--	223	--	--	.55
	83-06-01	44	--	218	--	--	.32
22/38E-02D01D1	82-07-21	47	--	206	--	--	4.7
22/39E-36H01	82-07-20	43	--	--	--	--	<.10
	83-06-02	41	--	209	--	--	.24
23/31E-33E01	82-07-28	59	--	245	--	--	.11
	83-06-02	57	--	243	--	--	<.10
23/33E-10A01	82-07-27	47	--	421	--	--	20
	83-06-02	45	--	491	--	--	24
23/35E-03H01D1	82-07-23	38	--	257	--	--	.16
	83-06-01	37	--	253	--	--	.19
23/35E-30F01	82-07-23	50	--	290	--	--	8.2
	83-06-02	47	--	313	--	--	14
23/36E-13N01	82-07-22	46	--	294	--	--	8.4
	83-06-02	46	--	278	--	--	10
23/37E-29F01	61-05-02	38	279	258	17	--	--
	82-07-22	41	--	212	--	--	2.5
	83-06-02	40	--	210	--	--	2.1
23/38E-12A01	82-07-21	39	--	189	--	--	<.10
	83-06-20	35	--	187	--	--	<.10
23/39E-04B01	82-07-21	41	--	176	--	--	4.4
24/31E-14E01	82-07-23	37	--	209	--	--	<.10
	83-06-03	36	--	194	--	--	<.10
24/31E-16F01	71-01-08	47	191	189	1.1	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
		LINCOLN			
22/34E-18M01	82-07-23	--	31	--	32
	83-06-01	--	<3	--	3
22/34E-26D01	70-10-02	20	--	<20	--
22/34E-26D01	61-10-13	<10	--	<50	--
	62-10-03	<10	--	<50	--
	64-04-29	70	--	<50	--
	65-03-16	60	--	<50	--
22/34E-26D02	61-10-13	120	--	<50	--
	62-10-03	<10	--	<50	--
	64-04-29	110	--	<50	--
22/35E-13H01	82-07-22	--	320	--	880
	83-06-01	--	390	--	860
22/35E-23E01D1	82-07-22	--	27	--	13
	83-06-01	--	5	--	4
22/36E-18N02D1	82-07-22	--	10	--	5
	83-06-01	--	13	--	2
22/37E-12C02D1	82-07-22	--	7	--	6
	83-06-01	--	12	--	6
22/38E-02D01D1	82-07-21	--	7	--	2
22/39E-36H01	82-07-20	--	7	--	10
	83-06-02	--	54	--	13
23/31E-33E01	82-09-08	--	6	--	<1
	83-06-02	--	3	--	<1
23/33E-10A01	82-07-27	--	48	--	2
	83-06-02	--	32	--	4
23/35E-03H01D1	82-07-23	--	7	--	5
	83-06-01	--	14	--	2
23/35E-30F01	82-07-23	--	12	--	3
	83-06-02	--	<3	--	1
23/36E-13N01	82-07-22	--	3	--	1
	83-06-02	--	<3	--	<1
23/37E-29F01	61-05-02	50	--	--	--
	82-07-22	--	7	--	7
	83-06-02	--	13	--	3
23/38E-12A01	82-07-21	--	220	--	25
	83-06-20	--	200	--	23
23/38E-04B01	82-07-21	--	13	--	3
24/31E-14F01	82-07-23	--	10	--	18
	83-06-03	--	15	--	14
24/31E-16F01	71-01-08	50	--	<20	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				LINCOLN						
24/31E-16E01	47 34 33	118 56 03	01	121CRBV	71-05-11	750	--	272	7.7	18.9
24/33E-06D01	47 35 49	118 42 15	01	122WNPM	83-06-22	185	2035.00	260	7.8	13.4
24/34E-23L01	47 33 29	118 29 49	01	122CRBV	82-07-27	596	2249.00	265	8.0	15.9
24/36E-03D01	47 36 44	118 16 08	01	122WNPM	82-07-21	125	2380.00	182	7.6	12.6
				122WNPM	83-06-01	125	2380.00	181	7.3	11.9
24/36E-16A04	47 34 41	118 16 27	04	122WNPM	70-10-23	261	2372.00	246	7.9	11.0
24/36E-16A07	47 34 41	118 16 27	07	122GDRD	71-01-14	635	2372.00	231	7.9	17.2
24/36E-16A08	47 34 41	118 16 27	08	122WNPM	71-05-14	750	2372.00	238	8.3	17.1
24/37E-06D01	47 35 58	118 11 33	01	122WNPM	82-07-21	165	2365.00	235	6.5	9.3
				122WNPM	83-06-01	165	2365.00	243	6.8	9.2
24/37E-21N01	47 33 17	118 09 42	02	--	61-10-13	400	--	183	7.6	15.6
				--	62-10-02	400	--	191	7.4	17.8
				--	64-04-29	400	--	175	7.4	10.6
				--	65-03-16	400	--	185	7.4	8.3
24/37E-21N02	47 33 45	118 06 15	01	--	61-10-13	400	--	180	7.6	15.6
				--	62-10-02	400	--	184	7.6	14.5
				--	64-04-29	400	--	184	7.1	11.1
				--	65-03-16	400	--	198	7.1	7.8
24/38E-02D01	47 36 41	117 59 30	01	122WNPM	82-07-20	85	2400.00	430	7.2	9.7
24/39E-26K01	47 32 24	117 50 57	01	122WNPM	82-07-20	100	2440.00	280	7.4	11.4
				122WNPM	83-06-02	100	2440.00	292	7.3	11.3
25/32E-17K01	47 39 46	118 48 41	01	122WNPM	82-07-23	300	2060.00	349	7.3	14.1
25/32E-35P01	47 36 48	118 45 19	01	122GDRD	82-09-09	1139	2135.00	270	8.2	21.3
				122GDRD	83-06-04	1139	2135.00	268	8.2	21.7
25/33E-01R01	47 41 54	118 36 05	01	122WNPM	82-07-22	60	2280.00	350	7.3	11.7
				122WNPM	83-06-03	60	2280.00	370	7.4	10.6
25/33E-27A02	47 38 29	118 38 22	01	122CRBV	83-06-03	865	2320.00	260	7.9	19.5
25/35E-03E01D1	47 41 42	118 23 55	01	122WNPM	82-07-22	200	2345.00	400	6.7	11.5
				122WNPM	83-06-02	200	2345.00	410	6.6	11.9
25/35E-20D01	47 39 15	118 26 20	02	122CRBV	82-07-22	410	2250.00	232	7.4	14.3
25/36E-27D01	47 37 54	118 15 20	01	122WNPM	82-07-21	324	2368.00	185	7.2	12.3
				122WNPM	83-06-01	324	2368.00	262	7.1	11.5
25/37E-21L01	47 39 04	118 09 13	01	121CRBV	62-05-01	503	--	278	7.8	13.9
25/37E-21L04	47 38 48	118 09 19	01	122GDRD	82-07-21	975	2410.00	288	8.2	22.3
				122GDRD	83-06-01	975	2410.00	278	8.4	23.7
25/37E-27E01	47 38 19	118 08 18	01	122WNPM	82-07-21	100	2420.00	190	7.0	11.2
				122WNPM	83-05-31	100	2420.00	191	7.0	10.8
25/38E-15N01	47 39 35	118 00 38	01	122WNPM	82-07-20	121	2480.00	420	7.2	12.0
				122WNPM	83-06-02	121	2480.00	431	7.0	10.9
26/31E-32A01	47 42 36	118 56 21	01	--	59-12-03	196	--	391	7.8	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
				LINCOLN						
24/31E-16E01	71-05-11	--	80	0	17	9.1	25	39	1.3	5.0
24/33E-06D01	83-06-22	--	94	0	21	10	16	26	.7	4.1
24/34E-23L01	82-07-27	--	94	0	21	10	14	24	.6	3.3
24/36E-03D01	82-07-21	--	65	0	15	6.7	9.9	23	.6	4.3
	83-06-01	<1	63	0	15	6.2	8.7	22	.5	4.5
24/36E-16A04	70-10-23	--	92	8	23	8.3	12	22	.6	2.7
24/36E-16A07	71-01-14	--	53	0	12	5.5	29	52	1.8	3.9
24/36E-16A08	71-05-14	--	54	0	12	5.9	31	53	1.9	3.6
24/37E-06D01	82-07-21	--	88	0	24	6.8	17	29	.8	3.7
	83-06-01	--	83	0	22	6.7	15	27	.7	3.7
24/37E-21N01	61-10-13	--	58	0	12	6.9	13	29	.8	7.9
	62-10-02	--	58	0	10	7.9	14	31	.8	7.9
	64-04-29	--	62	0	13	7.2	9.8	24	.6	5.1
	65-03-16	--	59	0	10	8.3	13	29	.8	8.7
24/37E-21N02	61-10-13	--	58	0	12	6.8	14	32	.8	5.5
	62-10-02	--	58	0	10	7.9	13	29	.8	8.3
	64-04-29	--	57	0	12	6.6	14	32	.8	6.1
	65-03-16	--	70	0	15	7.8	13	27	.7	4.1
24/38E-02D01	82-07-20	--	145	15	38	12	26	28	1.0	2.9
24/39E-26K01	82-07-20	--	127	0	31	12	11	16	.4	2.9
	83-06-02	<1	124	0	30	12	13	18	.5	3.3
25/32E-17K01	82-07-23	--	143	11	34	14	16	19	.6	3.0
25/32E-35P01	82-09-09	--	52	0	12	5.3	39	59	2.4	4.8
	83-06-04	--	50	0	11	5.4	39	60	2.5	5.0
25/33E-01R01	82-07-22	--	140	23	36	12	18	22	.7	2.8
	83-06-03	<1	137	22	35	12	22	25	.8	2.8
25/33E-27A02	83-06-03	<1	80	0	16	9.8	28	42	1.4	3.1
25/35E-03E01D1	82-07-22	--	138	31	37	11	23	26	.9	3.8
	83-06-02	<1	147	24	39	12	24	26	.9	3.8
25/35E-20D01	82-07-22	--	95	0	24	8.5	16	26	.7	3.2
25/36E-27D01	82-07-21	--	68	0	18	5.6	9.8	23	.5	2.0
	83-06-01	--	99	12	26	8.3	13	22	.6	2.2
25/37E-21L01	62-05-01	--	78	0	17	8.7	25	38	1.3	8.0
25/37E-21L04	82-07-21	--	61	0	15	5.8	40	56	2.3	4.8
	83-06-01	<1	40	0	11	3.1	48	69	3.4	5.7
25/37E-27E01	82-07-21	--	68	4	18	5.5	12	27	.7	3.3
	83-05-31	<1	64	8	17	5.2	11	26	.6	3.2
25/38E-15N01	82-07-20	--	157	20	43	12	26	26	.9	2.0
	83-06-02	<1	161	30	43	13	27	26	1.0	2.0
26/31E-32A01	59-12-03	--	136	0	28	16	30	32	1.2	3.8

Table 2.--Continued

LOCAL IDENT-I-FIER	DATE OF SAMPLE	BICAR-BONATE FET-FLD (MG/L AS HCO3)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CAR-BONATE IT-FLD (MG/L AS CO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
					LINCOLN					
24/31E-16E01	71-05-11	145	--	0	--	119	--	23	4.8	.5
24/33E-06Q01	83-06-22	--	121	--	.0	--	103	16	7.3	.4
24/34E-23L01	82-07-27	--	130	--	.0	--	96	17	5.1	.3
24/36E-03D01	82-07-21	--	87	--	.0	--	77	9.0	3.3	.2
	83-06-01	--	78	--	.0	--	65	9.7	3.6	.2
24/36E-16A04	70-10-23	102	--	0	--	84	--	15	8.2	.3
24/36E-16A07	71-01-14	128	--	0	--	105	--	9.0	3.9	.8
24/36E-16A08	71-05-14	142	--	0	--	116	--	9.5	3.5	.8
24/37E-06Q01	82-07-21	--	133	--	.0	--	107	13	5.9	.2
	83-06-01	--	117	--	.0	--	90	15	7.7	.2
24/37E-21N01	61-10-13	104	--	0	--	85	--	8.0	1.2	.4
	62-10-02	103	--	0	--	84	--	8.6	3.0	.4
	64-04-29	92	--	0	--	75	--	8.8	2.0	.3
	65-03-16	104	--	0	--	85	--	8.0	2.5	.4
24/37E-21N02	61-10-13	104	--	0	--	85	--	5.2	2.2	.4
	62-10-02	102	--	0	--	84	--	7.2	2.5	.5
	64-04-29	106	--	0	--	87	--	5.0	2.0	.4
	65-03-16	106	--	0	--	87	--	4.0	2.2	.3
24/38E-02Q01	82-07-20	--	177	--	.0	--	130	28	15	.2
24/39E-26K01	82-07-20	--	185	--	.0	--	145	5.0	5.4	.3
	83-06-02	--	184	--	.0	--	148	7.0	4.0	.3
25/32E-17K01	82-07-23	--	150	--	.0	--	132	22	12	.2
25/32E-35P01	82-09-09	--	151	--	.0	--	123	7.0	4.6	.8
	83-06-04	--	163	--	.0	--	129	7.7	4.7	1.0
25/33E-01R01	82-07-22	--	133	--	.0	--	117	31	18	.2
	83-06-03	--	137	--	.0	--	115	33	18	.3
25/33E-27A02	83-06-03	--	160	--	.0	--	128	11	4.6	.7
25/35E-03E01D1	82-07-22	--	150	--	.0	--	107	19	13	.2
	83-06-02	--	150	--	.0	--	123	19	11	.2
25/35E-20D01	82-07-22	--	136	--	.0	--	120	10	2.0	.4
25/36E-27Q01	82-07-21	--	84	--	.0	--	69	12	3.2	.2
	83-06-01	--	125	--	.0	--	87	17	5.4	.2
25/37E-21L01	62-05-01	128	--	0	--	105	--	15	8.0	.5
25/37E-21L04	82-07-21	--	174	--	.0	--	129	11	4.3	.9
	83-06-01	--	182	--	.0	--	141	4.3	3.6	1.2
25/37E-27E01	82-07-21	--	71	--	.0	--	64	12	6.3	.2
	83-05-31	--	78	--	.0	--	56	12	5.2	.2
25/38E-15N01	82-07-20	--	152	--	.0	--	137	30	18	.2
	83-06-02	--	158	--	.0	--	131	33	20	.2
26/31E-32A01	59-12-03	200	--	0	--	164	--	24	11	.8

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
			LINCOLN				
24/31E-16E01	71-05-11	54	206	210	--	.68	--
24/33E-06Q01	83-06-22	37	--	171	--	--	1.9
24/34E-23L01	82-07-27	46	--	181	--	--	1.5
24/36E-03D01	82-07-21	45	--	136	--	--	2.3
	83-06-01	48	--	134	--	--	3.3
24/36E-16A04	70-10-23	40	179	160	8.6	--	--
24/36E-16A07	71-01-14	45	159	172	.40	--	--
24/36E-16A08	71-05-14	55	200	191	--	.28	--
24/37E-06Q01	82-07-21	47	--	183	--	--	1.4
	83-06-01	45	--	173	--	--	2.2
24/37E-21N01	61-10-13	38	134	139	.20	--	--
	62-10-02	38	138	140	.10	--	--
	64-04-29	39	129	130	.90	--	--
	65-03-16	34	134	136	.30	--	--
24/37E-21N02	61-10-13	36	129	133	.00	--	--
	62-10-02	38	135	138	.10	--	--
	64-04-29	37	129	135	.10	--	--
	65-03-16	34	140	133	5.8	--	--
24/38E-02D01	82-07-20	38	--	247	--	--	7.6
24/39E-24K01	82-07-20	46	--	205	--	--	<.10
	83-06-02	43	--	203	--	--	.15
25/32E-17K01	82-07-23	45	--	220	--	--	4.3
25/32E-35P01	82-09-09	57	--	205	--	--	<.10
	83-06-04	58	--	212	--	--	.21
25/33E-01R01	82-07-22	45	--	229	--	--	4.2
	83-06-03	43	--	233	--	--	4.3
25/33E-27A02	83-06-03	47	--	199	--	--	<.10
25/35E-03E01D1	82-07-22	48	--	229	--	--	12
	83-06-02	48	--	231	--	--	11
25/35E-20D01	82-07-22	44	--	175	--	--	.71
25/36E-27D01	82-07-21	49	--	141	--	--	3.2
	83-06-01	48	--	182	--	--	4.8
25/37E-21L01	62-05-01	42	--	187	8.0	--	--
25/37E-21L04	82-07-21	50	--	217	--	--	<.10
	83-06-01	53	--	219	--	--	<.10
25/37E-27E01	82-07-21	50	--	142	--	--	5.3
	83-05-31	49	--	141	--	--	5.3
25/38E-15N01	82-07-20	48	--	254	--	--	8.8
	83-06-02	47	--	263	--	--	8.4
26/31E-32A01	59-12-03	43	247	255	1.7	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
		LINCOLN			
24/31E-16F01	71-05-11	50	--	20	--
24/33E-06Q01	83-06-22	--	19	--	10
24/34E-23L01	82-07-27	--	<3	--	<1
24/36E-03D01	82-07-21	--	6	--	3
	83-06-01	--	9	--	<1
24/36E-16A04	70-10-23	--	--	--	--
24/36E-16A07	71-01-14	60	--	<20	--
24/36E-16A08	71-05-14	50	--	<20	--
24/37E-06Q01	82-07-21	--	25	--	2
	83-06-01	--	48	--	1
24/37E-21N01	61-10-13	50	--	<50	--
	62-10-02	40	--	<50	--
	64-04-29	1100	--	<50	--
	65-03-16	70	--	<50	--
24/37E-21N02	61-10-13	60	--	<50	--
	62-10-02	<10	--	<50	--
	64-04-29	140	--	<50	--
	65-03-16	360	--	<50	--
24/38E-02D01	82-07-20	--	20	--	7
24/39E-26K01	82-07-20	--	27	--	23
	83-06-02	--	20	--	20
25/32E-17K01	82-07-23	--	5	--	2
25/32E-35P01	82-09-09	--	21	--	6
	83-06-04	--	26	--	8
25/33E-01R01	82-07-22	--	8	--	8
	83-06-03	--	15	--	2
25/33E-27A02	83-06-03	--	27	--	12
25/35E-03E0101	82-07-22	--	6	--	15
	83-06-02	--	15	--	2
25/35E-20D01	82-07-22	--	10	--	300
25/36E-27Q01	82-07-21	--	4	--	19
	83-06-01	--	11	--	<1
25/37E-21L01	62-05-01	70	--	--	--
25/37E-21L04	82-07-21	--	18	--	7
	83-06-01	--	30	--	4
25/37E-27E01	82-07-21	--	<3	--	<1
	83-05-31	--	12	--	<1
25/38E-15N01	82-07-20	--	3	--	3
	83-06-02	--	16	--	<1
26/31E-32A01	59-12-03	1100	--	--	--

Table 2.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE µMHOS	PH (STANDARD UNITS)	TEMPERATURE (DEG C)
				LINCOLN						
26/32E-26D01	47 43 36	118 45 42	01	122WNPM	82-07-23	166	2060.00	213	8.2	11.5
				122WNPM	83-06-04	166	2060.00	210	8.4	11.7
26/33E-07E01	47 45 57	118 43 08	01	122WNPM	82-07-23	154	2160.00	548	7.1	12.6
				122WNPM	83-06-21	154	2160.00	555	7.6	12.7
26/33E-12M01	47 46 10	118 36 20	01	--	61-10-12	294	--	246	7.6	12.2
				--	62-10-01	294	--	250	7.4	14.4
				--	64-04-29	294	--	269	7.0	12.2
				--	65-03-18	294	--	259	7.4	8.3
26/33E-12M02	47 46 10	118 36 20	02	--	61-10-12	291	--	227	7.6	13.3
				--	62-10-01	291	--	222	7.4	15.6
				--	64-04-29	291	--	238	7.2	12.8
				--	65-03-18	291	--	228	7.4	7.8
26/33E-18L01	47 44 58	118 42 39	01	--	62-05-01	900	--	204	8.0	14.4
26/33E-19D01	47 44 35	118 42 54	01	122CRRV	83-06-04	233	2175.00	200	8.3	13.6
27/36E-24E01	47 49 35	118 13 23	01	--	61-10-12	347	--	213	7.6	13.3
				--	62-10-01	347	--	626	7.4	16.7
				--	64-04-29	347	--	246	7.2	12.2
				--	65-03-18	347	--	209	7.2	7.8
27/36E-24E02	47 49 33	118 13 18	01	--	61-10-12	326	--	256	7.6	12.8
				--	62-10-01	326	--	277	7.4	15.6
				--	64-04-29	326	--	313	6.8	12.2
27/36E-30C03	47 49 04	118 19 30	01	--	67-09-27	44	--	362	7.9	11.1
28/31E-08B01	47 56 05	118 56 10	01	--	67-10-24	173	1319.00	1190	8.2	13.9
				--	71-10-07	173	--	1350	7.7	14.8
28/33E-17E02	47 55 33	118 41 23	02	--	67-09-27	56	--	178	8.1	12.8
28/36E-20L01	47 49 35	118 18 15	01	--	67-10-13	202	--	289	8.3	11.1
28/37E-29L01	47 53 41	118 10 26	01	112GLCV	67-10-16	189	1297.00	219	7.9	11.1

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	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)
					LINCOLN					
26/32E-26D01	82-07-23	--	74	0	14	9.4	18	34	.9	3.0
	83-06-04	--	74	0	14	9.5	17	32	.9	3.2
26/33E-07E01	82-07-23	--	224	31	50	24	29	22	.9	4.4
	83-06-21	--	301	46	66	33	38	21	1.0	5.4
26/33E-12M01	61-10-12	--	94	0	18	12	14	24	.6	3.8
	62-10-01	--	94	0	18	12	15	25	.7	4.0
	64-04-29	--	101	0	19	13	15	24	.7	4.1
	65-03-18	--	99	0	20	12	15	24	.7	4.0
26/33E-12M02	61-10-12	--	87	0	20	9.1	13	24	.6	3.0
	62-10-01	--	85	0	20	8.6	12	23	.6	2.7
	64-04-29	--	87	0	20	9.0	14	25	.7	2.9
	65-03-18	--	87	0	19	9.7	13	23	.6	4.0
26/33E-18L01	62-05-01	--	69	0	12	9.6	16	32	.9	3.2
26/33E-19D01	83-06-04	<1	70	0	13	9.0	15	31	.8	3.3
27/36E-24E01	61-10-12	--	82	0	22	6.5	14	26	.7	2.3
	62-10-01	--	85	0	23	6.7	100	71	4.9	2.5
	64-04-29	--	92	0	24	7.8	14	24	.7	2.1
	65-03-18	--	78	0	20	6.9	14	27	.7	2.3
27/36E-24E02	61-10-12	--	97	0	27	7.2	17	27	.8	2.3
	62-10-01	--	87	0	23	7.2	24	37	1.2	2.3
	64-04-29	--	100	0	27	7.9	27	36	1.2	2.0
27/36E-30C03	67-09-27	--	163	0	42	14	13	14	.5	4.3
28/31E-08B01	67-10-24	--	595	413	123	70	38	12	.7	13
	71-10-07	--	708	523	140	87	45	12	.8	13
28/33E-17E02	67-09-27	--	79	2	20	7.0	2.9	7	.1	2.0
28/36E-20L01	67-10-13	--	120	0	20	17	13	18	.5	4.5
28/37E-29L01	67-10-14	--	98	1	31	5.1	5.5	11	.3	1.4

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	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)
					LINCOLN					
26/32E-26D01	82-07-23	--	128	--	.0	--	100	6.0	2.5	.5
	83-06-04	--	119	--	6.0	--	103	6.7	2.4	.5
26/33E-07E01	82-07-23	--	223	--	.0	--	193	59	25	.3
	83-06-21	--	281	--	.0	--	255	90	35	.3
26/33E-12M01	61-10-12	133	--	0	--	109	--	8.8	5.2	.5
	62-10-01	133	--	0	--	109	--	8.0	6.5	.5
	64-04-29	134	--	0	--	110	--	11	6.8	.5
	65-03-18	133	--	0	--	109	--	12	6.2	.5
26/33E-12M02	61-10-12	116	--	0	--	95	--	8.8	6.2	.4
	62-10-01	117	--	0	--	96	--	8.0	5.2	.3
	64-04-29	122	--	0	--	100	--	7.4	6.2	.5
	65-03-18	123	--	0	--	101	--	6.8	6.0	.3
26/33E-18L01	62-05-01	119	--	0	--	98	--	5.8	2.8	.5
26/33E-19D01	83-06-04	--	141	--	.0	--	99	6.2	2.3	.5
27/36E-24E01	61-10-12	124	--	0	--	102	--	4.6	1.5	.4
	62-10-01	159	--	24	--	170	--	6.0	85	.3
	64-04-29	136	--	0	--	112	--	6.2	2.0	.5
	65-03-18	123	--	0	--	101	--	4.0	2.5	.5
27/36E-24E02	61-10-12	142	--	0	--	116	--	7.6	1.5	.6
	62-10-01	138	--	0	--	113	--	6.4	12	.4
	64-04-29	152	--	0	--	125	--	8.2	14	.9
27/36E-30C03	67-09-27	205	--	0	--	168	--	18	3.0	.3
28/31E-08B01	67-10-24	222	--	0	--	182	--	486	2.1	1.2
	71-10-07	226	--	0	--	185	--	600	4.0	.9
28/33E-17E02	67-09-27	94	--	0	--	77	--	12	.5	.2
28/36E-20L01	67-10-13	150	--	3	--	128	--	16	.9	.5
28/37E-29L01	67-10-16	118	--	0	--	97	--	10	.7	.9

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
			LINCOLN				
26/32E-26D01	82-07-23	39	--	155	--	--	.91
	83-06-04	37	--	158	--	--	<.10
26/33E-07F01	82-07-23	46	--	348	--	--	2.6
	83-06-21	43	--	449	--	--	3.2
26/33E-12M01	61-10-12	37	174	165	3.2	--	--
	62-10-01	47	177	176	3.6	--	--
	64-04-29	48	184	183	4.4	--	--
	65-03-18	43	180	178	6.1	--	--
26/33E-12M02	61-10-12	46	173	164	3.6	--	--
	62-10-01	39	165	153	3.2	--	--
	64-04-29	46	168	166	2.9	--	--
	65-03-18	42	161	161	3.9	--	--
26/33E-18L01	62-05-01	41	--	149	.30	--	--
26/33E-19D01	83-06-04	37	--	156	--	--	<.10
27/36E-24E01	61-10-12	46	162	158	3.2	--	--
	62-10-01	46	395	396	6.1	--	--
	64-04-29	48	178	171	5.7	--	--
	65-03-18	37	160	148	2.7	--	--
27/36E-24F02	61-10-12	47	190	180	7.0	--	--
	62-10-01	46	199	189	4.8	--	--
	64-04-29	47	220	209	7.4	--	--
27/36E-30C03	67-09-27	32	224	227	3.9	--	--
28/31E-08P01	67-10-24	30	1000	872	6.7	--	--
	71-10-07	32	1080	1034	1.8	--	--
28/33E-17F02	67-09-27	13	106	104	1.4	--	--
28/36E-20L01	67-10-13	23	180	175	3.9	--	--
28/37E-29L01	67-10-16	25	133	138	.60	--	--

Table 2.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	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)
		LINCOLN			
26/32E-26D01	82-07-23	--	83	--	17
	83-06-04	--	77	--	15
26/33E-07F01	82-07-23	--	12	--	<1
	83-06-21	--	10	--	<1
26/33E-12M01	61-10-12	<10	--	<50	--
	62-10-01	<10	--	<50	--
	64-04-29	10	--	<50	--
	65-03-18	60	--	<50	--
26/33E-12M02	61-10-12	70	--	<50	--
	62-10-01	20	--	<50	--
	64-04-29	60	--	<50	--
	65-03-18	50	--	<50	--
26/33E-19L01	62-05-01	30	--	--	--
26/33E-19D01	83-06-04	--	33	--	11
27/36E-24E01	61-10-12	10	--	<50	--
	62-10-01	600	--	<50	--
	64-04-29	10	--	<50	--
	65-03-18	10	--	<50	--
27/36E-24E02	61-10-12	40	--	<50	--
	62-10-01	10	--	<50	--
	64-04-29	30	--	<50	--
27/36E-30C03	67-09-27	120	--	<50	--
28/31E-08P01	67-10-24	140	--	<50	--
	71-10-07	30	--	<20	--
28/33E-17E02	67-09-27	20	--	<50	--
28/36E-20L01	67-10-13	190	--	<50	--
28/37E-29L01	67-10-16	40	--	<50	--

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

EXPLANATION OF GEOLOGIC UNITS

Geologic unit codes used in this table indicate that wells are open to one or more of the following formations.

Geologic Unit Code		Formation
Basalt units:		
122	SDLM	Saddle Mountains Basalt
122	YKIM	Saddle Mountains and Wanapum Basalts, undivided
122	WWPM	Wanapum Basalt
122	CBRV	Wanapum and Grande Ronde Basalts, undivided
122	GDRD	Gronde Ronde Basalt
Unconsolidated units:		
110	ALVM	Alluvium
112	GLCV	Glaciofluvial deposits
112	RGLD	Ringold Formation

Table 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	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)
				ADAMS						
15/28E-15D01	46 47 40	119 18 06	01	--	71-10-06	865	--	0	--	--
15/28E-24G01	46 46 37	119 14 41	01	121CRRV	71-09-23	237	--	110	--	--
15/29E-03J01	46 49 09	119 09 22	01	121CRRV	70-10-27	905	--	<10	--	--
15/37E-27H01	46 45 39	118 08 59	01	--	71-09-29	--	--	10	--	--
17/33E-12F01	46 58 50	118 35 46	01	--	71-09-28	567	--	120	--	--
17/33E-12F02	46 58 53	118 36 51	01	122GDRD	83-03-17	1020	1540.00	--	<10	1
17/34E-23F01	46 57 05	118 30 11	01	122WNPM	83-05-24	165	1505.00	--	10	1
18/31E-33D01	47 00 46	118 56 16	01	122GDRD	83-05-19	2400	1420.00	--	--	<1
18/37E-08J01	47 04 02	118 10 29	01	121CRRV	71-10-05	527	--	50	--	--
19/32E-24K01	47 07 10	118 44 10	01	121CRRV	70-10-03	807	--	100	--	--
19/33E-30C01	47 06 56	118 43 09	01	--	70-10-03	433	--	100	--	--
19/36E-20H01D1	47 07 46	118 18 18	02	122CRRV	83-05-20	1027	1864.00	--	10	<1
20/34E-22D01	47 13 09	118 31 56	01	121CRRV	70-10-03	95	--	40	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	BARIUM, DISSOLVED (UG/L AS BA)	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 TOTAL RECOVERABLE (UG/L AS HG)
		ADAMS					
15/28E-15D01	71-10-06	--	--	0	5	4	--
15/28E-24G01	71-09-23	--	--	<30	<50	<100	--
15/29E-03J01	70-10-27	--	--	<30	<50	<100	--
15/37E-27H01	71-09-29	--	--	<30	<50	<100	--
17/33E-12F01	71-09-28	--	--	<30	<50	100	--
17/33E-12F02	83-03-17	33	<1	<10	<1	<1	--
17/34E-23F01	83-05-24	73	<1	<10	1	<1	--
18/31E-33D01	83-05-19	9	<1	<10	<1	<1	--
18/37E-08J01	71-10-05	--	--	<30	<50	<100	--
19/32E-24K01	70-10-03	--	--	<30	50	<100	--
19/33E-30C01	70-10-03	--	--	<30	<50	<100	--
19/36E-20H01D1	83-05-20	17	<1	<10	<1	<1	--
20/34E-22D01	70-10-03	--	--	<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)
	ADAMS				
15/28E-15D01	71-10-06	--	--	--	10
15/28E-24G01	71-09-23	--	--	--	<10
15/29E-03J01	70-10-27	--	--	--	<10
15/37E-27H01	71-09-29	--	--	--	<10
17/33E-12F01	71-09-28	--	--	--	<10
17/33E-12F02	83-03-17	<.1	1	<1	9
17/34E-23F01	83-05-24	<.1	3	<1	18
18/31E-33D01	83-05-19	<.1	<1	<1	4
18/37E-08J01	71-10-05	--	--	--	<10
19/32E-24K01	70-10-03	--	--	--	<10
19/33E-30C01	70-10-03	--	--	--	100
19/36E-20H01D1	83-05-20	<.1	<1	<1	18
20/34E-22D01	70-10-03	--	--	--	70

Table 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	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)
				DOUGLAS						
22/21E-26B01	47 22 28	120 09 48	01	112GLCV	79-07-25	82	670.00	--	<100	--
23/24E-31E02	47 26 49	119 52 24	01	--	70-11-09	182	--	30	--	--
24/20E-35J01	47 32 40	120 16 40	01	112GLCV	71-10-20	260	660.00	40	--	--
24/25E-18E01	47 34 49	119 44 44	01	122CBRV	83-06-07	515	2475.00	--	<10	<1
24/25E-32C01	47 32 12	119 43 07	01	--	71-10-08	191	1556.00	70	--	--
24/26E-06H01	47 36 30	119 35 52	01	122WNPM	83-06-07	205	2400.00	--	<10	1
26/21E-21N02	47 43 48	120 12 48	01	112GLCV	71-05-25	159	801.00	<10	--	--
				112GLCV	79-07-11	159	801.00	--	<100	2
27/25E-25C01	47 49 01	119 38 08	01	--	71-10-08	265	2245.00	190	--	--
27/26E-25D06	47 48 55	119 30 39	06	--	72-06-14	755	--	10	--	--
				--	72-06-14	755	--	170	--	--
				--	72-09-26	755	--	30	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	BARIUM, DISSOLVED (UG/L AS BA)	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 TOTAL RECOVERABLE (UG/L AS HG)
			DOUGLAS				
22/21E-26B01	79-07-25	--	--	ND	2	8	--
23/24E-31E02	70-11-09	--	--	<30	<50	<100	--
24/20E-35J01	71-10-20	--	--	<30	<50	<100	--
24/25E-18E01	83-06-07	31	<1	<10	2	2	--
24/25E-32C01	71-10-08	--	--	<30	<50	<100	--
24/26E-06H01	83-06-07	24	<1	<10	2	3	--
26/21E-21N02	71-05-25	--	--	<30	<50	<100	--
	79-07-11	80	<2	ND	2	ND	--
27/25E-25C01	71-10-08	--	--	<30	<50	<100	--
27/26E-25D06	72-06-14	--	--	<30	<50	<100	--
	72-06-14	--	--	<30	<50	<100	--
	72-09-26	--	--	--	--	--	--

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)
		DOUGLAS			
22/21E-26R01	79-07-25	<.1	<1	ND	--
23/24E-31E02	70-11-09	--	--	--	60
24/20E-35J01	71-10-20	--	--	--	<10
24/25E-18E01	83-06-07	<.1	1	<1	560
24/25E-32C01	71-10-08	--	--	--	<10
24/26E-06H01	83-06-07	<.1	1	<1	600
26/21E-21N02	71-05-25	--	--	--	<10
	79-07-11	<.1	1	ND	<3
27/25E-25C01	71-10-08	--	--	--	<10
27/26E-25D06	72-06-14	--	--	--	<10
	72-06-14	--	--	--	<10
	72-09-26	--	--	--	--

Table 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	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)
				FRANKLIN						
09/30E-02R01	46 17 12	119 00 41	01	122SDLM	83-03-08	211	515.00	--	<10	4
09/30E-18H01	46 15 55	119 05 45	01	--	70-08-28	1033	--	30	--	--
11/30E-11C01	46 27 35	119 01 19	01	--	70-12-14	614	--	<10	--	--
12/28E-24N01	46 30 23	119 15 28	01	--	70-09-15	755	--	140	--	--
13/28E-13N01	46 36 27	119 15 36	01	122WNPM	70-11-10	1119	952.50	40	--	--
				122WNPM	83-03-14	1119	952.00	--	10	--
13/29E-08H01	46 37 46	119 12 07	01	122SDLM	83-03-10	450	995.00	--	10	2
13/30E-31N01	46 33 56	119 06 41	01	122SDLM	83-03-10	235	880.00	--	10	--
13/31E-01E01	46 38 35	118 52 24	01	122GDRD	83-03-10	1325	860.00	--	10	2
13/32E-07E02	46 37 49	118 51 14	01	122WNPM	83-03-10	652	1070.00	--	10	2
13/33E-06M01D1	46 38 28	118 43 46	01	122CBRV	83-03-10	380	785.00	--	10	--
14/29E-09A01	46 43 21	119 10 41	01	121CBRV	67-02-13	863	--	--	--	--
				121CBRV	69-06-12	863	--	<10	--	--
14/29E-19Q01	46 40 43	119 13 31	01	122SDLM	83-03-10	420	1085.00	--	10	--
14/31E-19B01	46 41 35	118 58 12	01	122YKIM	83-03-11	320	1115.00	--	10	--
14/31E-36J01	46 39 15	118 51 30	01	--	70-09-24	1105	--	<10	--	--

Table 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BARIUM, DISSOLVED (UG/L AS BA)	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 TOTAL RECOVERABLE (UG/L AS HG)
			FRANKLIN				
09/30E-02R01	83-03-08	40	<1	<10	1	<1	--
09/30E-18H01	70-08-28	--	--	<30	<50	<100	--
11/30E-11C01	70-12-14	--	--	<30	<50	<100	--
12/28E-24N01	70-09-15	--	--	<30	<50	<100	--
13/28E-13N01	70-11-10	--	--	<30	<50	<100	--
	83-03-14	--	--	--	--	--	--
13/29E-08H01	83-03-10	110	<1	<10	<1	<1	--
13/30E-31N01	83-03-10	--	--	--	--	--	--
13/31E-01E01	83-03-10	28	<1	<10	<1	2	--
13/32E-07E02	83-03-10	12	<1	<10	<1	<1	--
13/33E-06M01D1	83-03-10	--	--	--	--	--	--
14/29E-09A01	67-02-13	--	--	--	140	--	--
	69-06-12	--	--	--	--	--	--
14/29E-19Q01	83-03-10	--	--	--	--	--	--
14/31E-19B01	83-03-11	--	--	--	--	--	--
14/31E-36J01	70-09-24	--	--	<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)
		FRANKLIN			
09/30E-02P01	83-03-08	<.1	1	<1	52
09/30E-18H01	70-08-28	--	--	--	<10
11/30E-11C01	70-12-14	--	--	--	<10
12/28E-24N01	70-09-15	--	--	--	<10
13/28E-13N01	70-11-10	--	--	--	<10
	83-03-14	--	--	--	--
13/29E-08H01	83-03-10	<.1	<1	<1	19
13/30E-31N01	83-03-10	--	--	--	--
13/31E-01E01	83-03-10	<.1	1	<1	4
13/32E-07E02	83-03-10	<.1	1	<1	120
13/33E-06M01D1	83-03-10	--	--	--	--
14/29E-09A01	67-02-13	--	--	--	--
	69-06-12	--	--	--	--
14/29E-19Q01	83-03-10	--	--	--	--
14/31E-19B01	83-03-11	--	--	--	--
14/31E-36J01	70-09-24	--	--	--	<10

Table 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	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)
				GRANT						
14/25E-01D01	46 44 08	119 38 24	01	--	70-09-17	935	--	20	--	--
				--	71-10-08	935	--	0	--	--
15/26E-28Q01	46 45 10	119 33 52	01	--	69-05-14	892	--	<10	--	--
16/25E-04N01	46 54 07	119 42 03	01	122SDLM	83-03-15	70	1180.00	--	10	4
17/25E-31N01	46 54 55	119 37 00	01	121CRRV	70-12-03	110	--	80	--	--
17/27E-31D01	46 55 33	119 29 20	01	122CRRV	71-09-24	810	--	50	--	--
17/30E-33K01	46 55 01	119 03 14	01	122CRRV	83-03-16	1002	1344.00	--	10	--
18/25E-05F01	47 04 54	119 42 56	01	121CRRV	70-10-03	193	1179.00	90	--	--
18/25E-08C01	47 04 18	119 43 05	01	112GLCV	83-05-18	120	1165.00	--	--	13
18/26E-32C01	47 00 49	119 35 21	01	122WNPM	83-05-20	450	1130.00	--	<10	2
18/26E-34K01	47 00 18	119 32 35	01	112GLCV	83-05-18	66	1125.00	--	--	<1
18/29E-02A01	47 05 10	119 07 52	01	122WNPM	83-03-17	270	1250.00	--	10	17
19/23E-12R01	47 08 28	119 52 33	01	--	70-12-03	135	--	40	--	--
19/23E-22M01	47 07 22	119 56 08	01	122WNPM	83-03-16	111	1276.00	--	10	--
19/28E-28K04	47 06 23	119 18 15	01	121CRRV	71-09-24	1000	--	300	--	--
20/25E-19D01	47 13 12	119 44 26	01	121CRRV	71-05-21	132	--	<10	--	--
21/26E-15H01	47 19 07	119 32 09	01	122GDRD	83-03-18	1850	1325.00	--	<10	1
21/26E-28A01	47 17 45	119 33 23	01	112GLCV	83-03-17	65	1240.00	--	10	1
21/30E-03E02	47 20 32	119 02 25	01	122GDRD	83-05-18	1345	1670.00	--	20	<1
22/26E-25M01	47 22 31	119 30 56	01	--	71-09-24	355	--	<10	--	--
22/27E-22H01	47 23 30	119 24 33	01	122GDRD	83-03-17	345	1200.00	--	10	--
22/28E-03K01	47 25 44	119 16 54	01	--	71-05-20	170	--	<10	--	--
22/28E-28Q01	47 22 03	119 18 35	01	121CBRV	71-09-28	552	--	20	--	--

Table 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BARIUM, DISSOLVED (UG/L AS BA)	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 TOTAL RECOVERABLE (UG/L AS HG)
		GRANT					
14/25E-01D01	70-09-17	--	--	<30	<50	<100	--
	71-10-08	--	--	0	0	0	--
15/26E-28Q01	69-05-14	--	--	<30	--	--	--
16/25E-04N01	83-03-15	170	<1	<10	4	1	--
17/25E-31N01	70-12-03	--	--	<30	30	<100	--
17/27E-31D01	71-09-24	--	--	<30	<50	<100	--
17/30E-33K01	83-03-16	--	--	--	--	--	--
18/25E-05F01	70-10-03	--	--	<30	<50	<100	--
18/25E-08C01	83-05-18	57	<1	<10	<1	<1	--
18/26E-32C01	83-05-20	16	<1	<10	<1	<1	--
18/26E-34K01	83-05-18	130	<1	<10	<1	<1	--
18/29E-02A01	83-03-17	8	<1	<10	1	<1	--
19/23E-12R01	70-12-03	--	--	<30	<50	<100	--
19/23E-22M01	83-03-16	--	--	--	--	--	--
19/28E-28K04	71-09-24	--	--	<30	<50	<100	--
20/25E-19D01	71-05-21	--	--	<30	<50	<100	--
21/26E-15H01	83-03-18	31	<1	<10	1	<1	--
21/26E-28A01	83-03-17	15	<1	<10	1	1	--
21/30E-03E02	83-05-18	34	<1	<10	<1	<1	--
22/26E-25H01	71-09-24	--	--	<30	<50	<100	--
22/27E-22H01	83-03-17	--	--	--	--	--	--
22/28E-03K01	71-05-20	--	--	<30	<50	<100	--
22/28E-28Q01	71-09-28	--	--	<30	<50	<100	--

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)
	GRANT				
14/25E-01D01	70-09-17	--	--	--	<10
	71-10-08	--	--	--	40
15/26E-28Q01	69-05-14	--	--	--	--
16/25E-04N01	83-03-15	<.1	3	<1	240
17/25E-31N01	70-12-03	--	--	--	250
17/27E-31D01	71-09-24	--	--	--	<10
17/30E-33K01	83-03-16	--	--	--	--
18/25E-05F01	70-10-03	--	--	--	<10
18/25E-08C01	83-05-18	<.1	3	<1	7
18/26E-32C01	83-05-20	<.1	1	<1	3
18/26E-34K01	83-05-18	<.1	<1	<1	6
18/29E-02A01	83-03-17	<.1	1	<1	29
19/23E-12R01	70-12-03	--	--	--	50
19/23E-22M01	83-03-16	--	--	--	--
19/28E-28K04	71-09-24	--	--	--	<10
20/25E-19D01	71-05-21	--	--	--	100
21/26E-15H01	83-03-18	<.1	<1	<1	10
21/26E-28A01	83-03-17	<.1	1	<1	36
21/30E-03E02	83-05-18	<.1	<1	<1	<3
22/26E-25M01	71-09-24	--	--	--	<10
22/27E-22H01	83-03-17	--	--	--	--
22/28E-03K01	71-05-20	--	--	--	<10
22/28E-28Q01	71-09-28	--	--	--	<10

Table 3.--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	GEOLOGIC UNIT	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)
				LINCOLN						
21/31E-10M02	47 19 25	118 55 48	01	--	72-09-13	750	--	90	--	--
21/32E-08L01	47 19 20	118 49 02	01	121CRRV	70-10-02	550	--	30	--	--
21/32E-12B01	47 19 59	118 43 49	01	--	71-05-20	41	--	<10	--	--
21/34E-21K01	47 17 37	118 32 19	01	122CRRV	83-05-27	737	1940.00	--	<10	--
22/34E-26D01	47 22 26	118 30 09	01	--	70-10-02	515	--	20	--	--
22/35E-23E01D1	47 23 08	118 22 39	02	122CRRV	83-06-01	346	1918.00	--	<10	2
23/31E-33E01	47 26 38	118 56 01	01	122GDRD	83-06-02	685	1715.00	--	<10	<1
24/31E-16E01	47 34 33	118 56 03	01	121CRRV	71-01-08	750	1845.00	10	--	--
				121CRRV	71-05-11	750	--	<10	--	--
24/36E-16A07	47 34 41	118 16 27	07	122GDRD	71-01-14	635	2372.00	40	--	--
24/36E-16A08	47 34 41	118 16 27	08	122WNPM	71-05-14	750	2372.00	20	--	--
25/33E-27A02	47 38 29	118 38 22	01	122CRRV	83-06-03	865	2320.00	--	10	--
25/37E-21L04	47 38 48	118 09 19	01	122GDRD	83-06-01	975	2410.00	--	<10	--
27/36E-30C03	47 49 04	118 19 30	01	--	67-09-27	44	--	--	--	<10
28/31E-08R01	47 56 05	118 56 10	01	--	67-10-24	173	1319.00	--	--	<10
				--	71-10-07	173	--	180	--	--
28/33E-17F02	47 55 33	118 41 23	02	--	67-09-27	56	--	--	--	<10
28/36E-20L01	47 49 35	118 18 15	01	--	67-10-13	202	--	--	--	<10
28/37E-29L01	47 53 41	118 10 26	01	112GLCV	67-10-16	189	--	--	--	<10

Table 3.--Continued

LOCAL IDENTIFIER	DATE OF SAMPLE	BARIUM, DISSOLVED (UG/L AS BA)	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 TOTAL RECOVERABLE (UG/L AS HG)
			LINCOLN				
21/31E-10M02	72-09-13	--	--	0	3	3	.1
21/32E-08L01	70-10-02	--	--	<30	<50	<100	--
21/32E-12B01	71-05-20	--	--	<30	<50	<100	--
21/34E-21K01	83-05-27	--	--	--	--	--	--
22/34E-26D01	70-10-02	--	--	<30	<50	<100	--
22/35E-23E01D1	83-06-01	36	<1	<10	1	1	--
23/31E-33E01	83-06-02	9	<1	<10	<1	<1	--
24/31E-16E01	71-01-08	--	--	<30	<50	<100	--
	71-05-11	--	--	<30	<50	<100	--
24/36E-16A07	71-01-14	--	--	<30	<50	<100	--
24/36E-16A08	71-05-14	--	--	<30	<50	<100	--
25/33E-27A02	83-06-03	--	--	--	--	--	--
25/37E-21L04	83-06-01	--	--	--	--	--	--
27/36E-30C03	67-09-27	<1000	<5	<50	<400	<40	--
28/31E-08R01	67-10-24	<1000	<5	<50	<400	<40	--
	71-10-07	--	--	<30	<50	<100	--
28/33E-17F02	67-09-27	<1000	<5	<50	<400	<40	--
28/36E-20L01	67-10-13	<1000	<5	<50	<400	<40	--
28/37E-29L01	67-10-16	<1000	<5	<50	<400	<40	--

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)
	LINCOLN				
21/31E-10M02	72-09-13	--	--	--	10
21/32E-08L01	70-10-02	--	--	--	<10
21/32E-12R01	71-05-20	--	--	--	<10
21/34E-21K01	83-05-27	--	--	--	--
22/34E-26D01	70-10-02	--	--	--	<10
22/35E-23E01D1	83-06-01	<.1	1	1	300
23/31E-33E01	83-06-02	<.1	<1	<1	<3
24/31E-16E01	71-01-08	--	--	--	<10
	71-05-11	--	--	--	<10
24/36E-16A07	71-01-14	--	--	--	<10
24/36E-16A08	71-05-14	--	--	--	<10
25/33E-27A02	83-06-03	--	--	--	--
25/37E-21L04	83-06-01	--	--	--	--
27/36E-30C03	67-09-27	--	<10	<40	<500
28/31E-08R01	67-10-24	--	<10	<40	<500
	71-10-07	--	--	--	30
28/33E-17F02	67-09-27	--	<10	<40	<500
28/36E-20L01	67-10-13	--	<10	<40	<500
28/37E-29L01	67-10-16	--	<10	<40	<500

TABLE 4.--Major ions as a percentage of total cation or anion milliequivalents

EXPLANATION OF GEOLOGIC UNITS

Geologic unit codes used in this table indicate that wells are open to one or more of the following formations.

Geologic Unit Code		Formation
Basalt units:		
122	SDLM	Saddle Mountains Basalt
122	YKIM	Saddle Mountains and Wanapum Basalts, undivided
122	WWPM	Wanapum Basalt
122	CBRV	Wanapum and Grande Ronde Basalts, undivided
122	GDRD	Gronde Ronde Basalt
Unconsolidated units:		
110	ALVM	Alluvium
112	GLCV	Glaciofluvial deposits
112	RGLD	Ringold Formation

Table 4.--Continued

WELL NUMBER	COUNTY	GUNIT	CA	MG	NA	K	ALK	CL	SO4	NO3
15/29E-04A02	ADAMS	122CRRV	7	6	83	5	73	10	16	1
15/30E-12L01	ADAMS	122CRRV	18	27	50	5	66	12	19	3
15/31E-05L01	ADAMS	122CBRV	25	25	44	6	70	13	16	1
15/31E-08J01D1	ADAMS	122CBRV	18	14	59	8	69	8	22	0
15/31E-08N01	ADAMS	122CRRV	12	10	72	7	77	8	15	0
15/31E-16D01	ADAMS	122CBRV	5	2	87	6	80	8	12	0
15/31E-31R01	ADAMS	122WNPM	45	44	10	1	43	16	33	8
15/32E-07J01	ADAMS	122GDRD	13	11	70	5	81	8	11	0
15/33E-02A01D1	ADAMS	122CBRV	39	23	34	4	75	12	10	3
15/33E-15N02	ADAMS	122WNPM	55	31	12	2	53	20	9	17
15/35E-02D01	ADAMS	122WNPM	27	31	36	6	89	4	5	3
15/36E-28N01D1	ADAMS	122CRRV	31	25	41	4	85	6	7	2
15/36E-33A02	ADAMS	122GDRD	29	32	35	4	92	4	4	0
16/28E-04B01	ADAMS	122SDLM	39	39	18	4	68	6	21	5
16/28E-05N01	ADAMS	122WNPM	33	39	25	3	57	8	30	5
16/29E-34D01	ADAMS	122CBRV	2	1	89	8	76	10	14	0
16/30E-26A02D1	ADAMS	122CBRV	9	6	78	7	79	8	12	0
16/31E-14K01	ADAMS	122CRRV	11	5	78	7	85	6	8	1
16/31E-33P01	ADAMS	122WNPM	31	26	37	6	79	8	13	1
16/32E-11D01D1	ADAMS	122CRRV	21	9	64	6	80	9	10	1
16/32E-14D01	ADAMS	122CBRV	21	10	62	7	70	13	17	0
16/32E-18G01D2	ADAMS	122CRRV	4	2	89	5	84	8	8	0
16/33E-17B02	ADAMS	122WNPM	36	34	27	3	91	3	5	1
16/34E-13R02	ADAMS	122WNPM	50	31	16	3	94	2	3	1
16/35E-31B01	ADAMS	122CRRV	46	32	19	3	86	5	4	4
16/35E-32N01D1	ADAMS	122CBRV	47	31	19	3	87	6	5	2
16/36E-06B02	ADAMS	122CRRV	50	34	14	2	59	19	10	12
16/36E-11H01D1	ADAMS	122WNPM	59	29	10	2	76	8	8	8
17/31E-03B01	ADAMS	122CRRV	15	8	72	6	86	6	8	0
17/31E-07E01	ADAMS	122WNPM	34	36	27	2	69	5	16	9
17/31E-11Q01	ADAMS	122CBRV	29	17	49	6	71	8	16	5
17/31E-12D01	ADAMS	122GDRD	17	8	69	6	88	6	6	0
17/33E-06D03	ADAMS	122CBRV	21	10	63	7	90	5	4	0
17/33E-12F02	ADAMS	122GDRD	15	6	73	6	85	9	5	1
17/34E-23F01	ADAMS	122WNPM	42	33	24	2	34	26	32	8
17/35E-11H01D2	ADAMS	122WNPM	41	34	21	3	89	4	4	3
17/38E-02K01	ADAMS	122WNPM	48	34	16	1	52	17	11	19
18/31E-07E01D1	ADAMS	122CBRV	9	4	81	6	74	7	19	0
18/31E-13E01	ADAMS	122CRRV	16	14	64	6	79	9	12	0
18/31E-32R01	ADAMS	122CRRV	24	18	50	7	76	9	15	0
18/31E-33D01	ADAMS	122GDRD	2	0	93	4	85	9	6	0
18/32E-16C02	ADAMS	122WNPM	19	11	60	10	77	8	15	0
18/33E-12C02	ADAMS	122WNPM	35	27	32	6	71	6	15	8
18/35E-04B01	ADAMS	122WNPM	59	23	15	2	63	12	12	13
18/35E-11K01	ADAMS	122CBRV	22	22	52	4	83	7	6	5
18/35E-12Q01	ADAMS	122WNPM	52	33	13	1	52	11	10	27
19/31E-24H01	ADAMS	122CRRV	11	7	78	4	63	16	21	0
19/31E-27G01D1	ADAMS	122CBRV	5	1	88	5	78	10	12	0
19/32E-04H02	ADAMS	122CBRV	35	22	38	5	72	10	17	1
19/32E-24N01	ADAMS	122GDRD	1	0	95	4	89	8	3	0
19/33E-07R01	ADAMS	122GDRD	7	4	83	6	89	6	5	0
19/33E-08Q02	ADAMS	122GDRD	3	1	90	5	93	5	1	0
19/34E-20B02	ADAMS	122CBRV	8	4	82	6	91	5	4	0
19/36E-05B01	ADAMS	122WNPM	37	28	34	1	57	18	19	6
19/36E-20H01D1	ADAMS	122CBRV	12	8	74	6	88	3	9	0
19/36E-21C01D1	ADAMS	122CBRV	13	10	72	5	88	4	8	0

Table 4.--Continued

WELL NUMBER	COUNTY	GUNIT	CA	MG	NA	K	ALK	CL	SO4	NO3
20/31E-07H02	ADAMS	122CSRV	30	26	40	5	56	19	21	4
20/31E-31A03	ADAMS	122CSRV	36	24	34	6	73	9	18	1
20/32E-15D02	ADAMS	122WNPM	50	27	21	2	64	16	19	1
20/32E-15L01D2	ADAMS	122CSRV	15	9	71	5	78	10	11	0
20/34E-13R01	ADAMS	122WNPM	28	32	36	4	59	25	9	7
20/35E-27A01	ADAMS	122CSRV	16	13	66	5	87	6	6	1
20/35E-34M02	ADAMS	122WNPM	51	36	13	1	55	18	14	13
20/37E-32D01	ADAMS	122WNPM	51	33	16	1	65	15	5	15
23/24E-09E01	DOUGLAS	122GDRD	42	27	29	2	81	5	13	1
24/21E-13A03	DOUGLAS	122GDRD	44	40	15	2	93	1	4	2
24/25E-18E01	DOUGLAS	122CSRV	48	37	15	1	28	32	16	24
24/26E-06H01	DOUGLAS	122WNPM	53	31	13	2	59	15	18	8
26/22E-25N01	DOUGLAS	122GDRD	54	29	16	1	90	3	6	1
09/29E-02G02	FRANKLIN	122SDLM	6	4	84	7	84	16	0	0
09/30E-02R01	FRANKLIN	122SDLM	39	35	23	2	58	12	26	5
10/28E-12F01	FRANKLIN	112RGLD	33	27	35	5	60	2	38	0
10/30E-03Q01	FRANKLIN	122SDLM	32	43	22	4	54	16	20	10
10/30E-35R01	FRANKLIN	112GLCV	45	29	23	3	47	15	24	14
10/31E-32L02	FRANKLIN	122SDLM	28	37	29	6	66	6	25	3
10/32E-23J01	FRANKLIN	122WNPM	32	22	40	6	80	6	12	2
11/28E-36R01	FRANKLIN	122SDLM	22	14	58	6	88	12	0	0
11/29E-03A01	FRANKLIN	122SDLM	31	17	47	5	77	6	16	0
11/30E-02R01	FRANKLIN	112GLCV	45	31	21	3	61	11	23	5
11/30E-12D01	FRANKLIN	122YKIM	26	12	55	8	51	15	32	2
11/30E-36M01	FRANKLIN	122SDLM	34	53	12	1	46	18	29	7
11/31E-04P01	FRANKLIN	122CSRV	24	16	53	7	72	6	14	8
12/28E-23H01D1	FRANKLIN	122SDLM	18	8	68	6	82	12	5	0
12/29E-34B01D1	FRANKLIN	122SDLM	9	4	79	8	83	10	7	0
12/30E-05B01	FRANKLIN	122YKIM	44	42	12	2	41	19	33	7
13/28E-13N01	FRANKLIN	122WNPM	1	1	87	11	79	10	10	0
13/29E-09H01	FRANKLIN	122SDLM	29	20	46	5	84	9	7	0
13/30E-31N01	FRANKLIN	122SDLM	42	34	23	1	51	13	31	5
13/31E-01E01	FRANKLIN	122GDRD	47	31	19	3	78	9	11	3
13/32E-03C01	FRANKLIN	122WNPM	29	22	46	3	68	6	18	8
13/32E-07E02	FRANKLIN	122WNPM	42	30	24	4	78	8	12	2
13/33E-06M01D1	FRANKLIN	122CSRV	11	4	80	4	77	6	16	0
14/29E-05A01	FRANKLIN	122SDLM	32	42	23	2	53	15	27	5
14/29E-19Q01	FRANKLIN	122SDLM	36	34	26	4	43	12	33	11
14/30E-10P01	FRANKLIN	122WNPM	37	37	23	3	75	6	16	3
14/31E-19B01	FRANKLIN	122YKIM	37	38	21	4	57	9	30	4
14/34E-25P01D1	FRANKLIN	122WNPM	43	35	21	2	54	18	22	6
14/36E-19N01	FRANKLIN	122CSRV	20	34	40	6	91	4	4	0
14/23E-26A01D1	GRANT	122YKIM	32	16	44	7	84	4	9	4
14/23E-36L02	GRANT	122WNPM	60	24	13	3	70	8	20	2
14/25E-02C01	GRANT	122SDLM	46	28	23	4	78	7	14	2
15/23E-35P01	GRANT	122WNPM	28	20	43	9	89	2	9	0
15/25E-35J01	GRANT	122SDLM	43	29	25	4	79	6	14	0
16/23E-21J01	GRANT	122WNPM	35	31	31	4	71	6	22	1
16/24E-04H01	GRANT	122CSRV	34	48	15	3	37	8	50	4
16/25E-01Q01	GRANT	122YKIM	36	32	28	4	61	10	26	3
16/25E-04N01	GRANT	122SDLM	43	47	9	1	25	31	38	6
16/27E-10N01	GRANT	122YKIM	42	33	22	4	46	15	33	6
17/23E-02B01	GRANT	122WNPM	40	48	10	1	74	9	15	2
17/23E-23A01D1	GRANT	122CSRV	23	25	48	3	34	6	59	0
17/24E-22L01	GRANT	122WNPM	36	32	30	2	52	16	28	4

Table 4.--Continued

WELL NUMBER	COUNTY	GUNIT	CA	MG	NA	K	ALK	CL	SO4	NO3
17/27E-31D01	GRANT	122CRRV	36	31	29	4	62	9	27	3
17/30E-33F01	GRANT	122CRRV	24	32	41	3	58	7	13	21
18/24E-04D02	GRANT	122WNPM	43	38	18	2	68	10	13	9
18/25E-09C01	GRANT	112GLCV	44	32	22	1	57	7	29	7
18/26E-32C01	GRANT	122WNPM	38	37	22	3	74	10	13	4
18/26E-34K01	GRANT	112GLCV	35	34	26	4	47	42	11	0
18/28E-26F01	GRANT	122CRRV	5	4	84	7	72	10	17	0
18/29E-01A01D1	GRANT	122CRRV	26	28	43	3	66	8	21	5
18/29E-02A01	GRANT	122WNPM	13	19	67	2	64	8	24	4
18/30E-16R01	GRANT	122WNPM	39	43	18	1	25	25	37	12
19/23E-22M01	GRANT	122WNPM	42	50	7	1	73	7	15	5
19/26E-25D01	GRANT	112GLCV	45	19	31	5	88	2	10	0
19/27E-24H02	GRANT	112GLCV	27	35	32	5	81	4	11	4
19/27E-30N01	GRANT	122WNPM	37	33	28	2	66	6	21	8
19/29E-03B01	GRANT	122CRRV	6	2	85	7	78	14	7	0
19/29E-08L01	GRANT	122WNPM	32	31	35	3	78	3	15	3
19/30E-03E01	GRANT	122CRRV	5	3	88	4	73	14	12	0
19/30E-07L01	GRANT	122CRRV	2	1	93	5	73	14	13	0
19/30E-15L01	GRANT	122CRRV	2	0	94	4	73	12	15	0
20/23E-16C01	GRANT	122WNPM	19	66	14	1	64	11	22	3
20/25E-14K01	GRANT	112GLCV	54	26	16	4	76	4	17	3
20/25E-17Q01	GRANT	122WNPM	46	32	20	2	66	7	20	7
20/28E-32H01	GRANT	122CRRV	25	20	49	7	75	9	16	1
20/29E-01A01	GRANT	122CRRV	26	20	48	6	74	9	16	0
21/26E-15H01	GRANT	122GDRD	33	27	36	4	85	4	11	0
21/26E-28A01	GRANT	112GLCV	45	37	16	3	70	11	13	6
21/28E-36R01	GRANT	122WNPM	52	33	10	4	81	3	14	2
21/30E-03E02	GRANT	122GDRD	26	8	59	7	56	18	26	0
21/30E-23J01D1	GRANT	122GDRD	20	5	67	8	66	15	19	0
22/26E-04C02	GRANT	122WNPM	49	33	16	3	63	13	10	14
22/26E-36B01	GRANT	122CRRV	43	34	20	3	85	4	9	2
22/27E-22H01	GRANT	122GDRD	22	15	57	7	79	3	17	1
23/27E-10B01	GRANT	122CRRV	34	27	34	5	78	3	18	0
24/28E-03B01	GRANT	122GDRD	36	31	28	4	87	3	9	1
21/32E-12H01D1	LINCOLN	122CRRV	46	31	21	3	77	9	11	3
21/32E-31C01	LINCOLN	122CRRV	29	21	44	6	60	9	31	0
21/33E-08K01	LINCOLN	122CRRV	28	19	49	4	83	7	10	0
21/33E-24B01	LINCOLN	122WNPM	41	31	28	1	24	41	28	8
21/34E-14M01	LINCOLN	122WNPM	47	34	16	3	31	6	57	6
21/34E-21K01	LINCOLN	122CRRV	39	26	33	3	89	4	7	0
21/34E-35A01	LINCOLN	122WNPM	31	36	31	2	74	9	9	8
21/36E-27P02	LINCOLN	122WNPM	30	32	35	3	77	9	14	0
21/38E-14J01	LINCOLN	122WNPM	38	38	20	4	86	4	8	2
21/38E-23L01	LINCOLN	122GDRD	27	12	56	5	94	3	2	1
22/31E-21F01	LINCOLN	122GDRD	41	28	28	3	85	6	9	0
22/32E-30D01	LINCOLN	122CRRV	31	22	43	4	84	6	10	0
22/33E-02K01	LINCOLN	122WNPM	47	30	21	2	58	14	13	15
22/33E-17N01	LINCOLN	122CRRV	16	9	70	5	82	7	10	0
22/34E-18M01	LINCOLN	122WNPM	35	35	27	3	54	15	29	2
22/35E-13H01	LINCOLN	122WNPM	22	17	58	2	67	15	18	0
22/35E-23E01D1	LINCOLN	122CRRV	42	31	24	3	72	12	13	3
22/36E-18N02D1	LINCOLN	122CRRV	52	33	14	1	61	14	20	6
22/37E-12C02D1	LINCOLN	122CRRV	25	29	43	3	90	4	5	1
22/39E-36H01	LINCOLN	122CRRV	35	37	24	4	65	27	8	0
23/31E-33E01	LINCOLN	122GDRD	13	8	75	4	86	7	7	0
23/33E-10A01	LINCOLN	122WNPM	55	33	11	1	28	36	18	18

Table 4.--Continued

WELL NUMBER	COUNTY	GUNIT	CA	MG	NA	K	ALK	CL	SO4	NO3
23/35E-03H01D1	LINCOLN	122CRRV	22	32	39	7	80	8	12	0
23/35E-30F01	LINCOLN	122WNPM	50	36	13	1	49	22	11	17
23/36E-13N01	LINCOLN	122WNPM	55	29	15	1	57	15	13	15
23/37E-29F01	LINCOLN	122WNPM	35	36	27	2	83	6	7	4
23/38E-12A01	LINCOLN	122WNPM	39	31	27	3	90	3	7	0
24/31E-14E01	LINCOLN	122WNPM	21	31	41	7	83	5	12	0
24/33E-06Q01	LINCOLN	122WNPM	39	31	26	4	75	8	12	5
24/36E-03D01	LINCOLN	122WNPM	43	29	22	7	71	6	11	13
24/37E-06Q01	LINCOLN	122WNPM	46	23	27	4	72	9	13	6
24/39E-26K01	LINCOLN	122WNPM	48	32	18	3	92	3	5	0
25/32E-35P01	LINCOLN	122GDRD	19	16	60	5	89	5	6	1
25/33E-01R01	LINCOLN	122WNPM	46	26	25	2	60	13	18	8
25/33E-27A02	LINCOLN	122CRRV	28	28	42	3	87	4	8	0
25/35E-03E01D1	LINCOLN	122WNPM	48	24	26	2	62	8	10	20
25/36E-27Q01	LINCOLN	122WNPM	50	26	22	2	67	6	14	13
25/37E-21L04	LINCOLN	122GDRD	18	8	69	5	93	3	3	0
25/37E-27E01	LINCOLN	122WNPM	46	23	26	4	59	8	13	20
25/38E-15N01	LINCOLN	122WNPM	48	24	26	1	59	13	15	13
26/32E-26D01	LINCOLN	122WNPM	30	34	32	4	91	3	6	0
26/33E-07E01	LINCOLN	122WNPM	42	35	21	2	62	12	23	3
26/33E-19D01	LINCOLN	122CRRV	31	35	31	4	91	3	6	0

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