

HISTORICAL WATER-QUALITY DATA, PUERCO RIVER BASIN, ARIZONA AND NEW MEXICO

By Laurie Wirt, Peter C. Van Metre, and Barbara Favor

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CONTENTS

	Page
Abstract.....	1
Introduction.....	1
Purpose and scope.....	3
Acknowledgments.....	3
Well-numbering systems.....	4
Physical setting.....	6
Geologic setting.....	6
Hydrogeologic setting.....	8
Sources of data.....	9
Federal and State criteria for maximum contaminant levels.....	10
Explanation of illustrations and tables.....	14
Selected references.....	41
Historical water-quality data.....	63
Surface water.....	65
Ground water.....	175

ILLUSTRATIONS

[Plates are in pocket]

Plate 1.	Map showing surface-water sampling sites, Puerco River basin, Arizona and New Mexico.	
2.	Map showing ground-water sampling sites, Puerco River basin, Arizona and New Mexico.	
Figure 1.	Map showing location of study area.....	2
2.	Sketch showing well-numbering system for Arizona.....	5
3.	Sketch showing well-numbering system for New Mexico.....	5
4.	Map showing the Navajo and Hopi Indian Reservations, U.S. Bureau of Indian Affairs district boundaries, and 15-minute quadrangles in Arizona and New Mexico...	7
5.	Sketch showing well-numbering system used in the Navajo and Hopi Indian Reservations.....	8
6.	Diagram showing flow chart of gross-alpha activity used in monitoring public drinking-water supplies.....	14

TABLES

		Page
Table 1.	Contributing agencies.....	10
2.	Maximum contaminant levels for selected constituents in water, Puerco River basin, Arizona.....	12
3.	Permit conditions for the National Pollutant Discharge Elimination System for uranium minewater discharges, Church Rock Mining District.....	15
4.	Surface-water sites.....	16
5.	Ground-water sites.....	18
6.	Water-quality data for mine discharges, Kerr-McGee Church Rock I Mine, 1979-85.....	24
7.	Monthly average, minimum, and maximum values for treated mine discharge, Kerr-McGee Church Rock I Mine, 1980-84.....	27
8.	Water-quality data for mine discharges, United Nuclear Corporation Old Church Rock Mine, 1980-82.....	32
9.	Water-quality data for mine discharges, United Nuclear Corporation Northeast Church Rock Mine, 1975-82.....	33
10.	Water-quality data for tailings-pond solution, 1979-80..	36
11.	Monthly values for uranium and radium in treated mine discharge, Church Rock District Mines, 1979-82...	37

CONVERSION FACTORS AND VERTICAL DATUM

<i>Multiply</i>	<i>By</i>	<i>To obtain</i>
foot (ft)	0.3048	meter
square foot (ft ²)	0.0929	square meter
mile (mi)	1.609	kilometer
square mile (mi ²)	2.590	square kilometer
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second
milligram per liter (mg/L)	1,000	microgram per liter
microgram per liter (μg/L)	0.667	picocurie per liter
parts per million (ppm)	1	milligrams per gram
ton, short	0.9072	megagram
degree Fahrenheit (°F)	(°C = 5/9 x (°F-32)	degree Celsius

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

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ABSTRACT

In June 1988, the U.S. Geological Survey began a 5-year study of the occurrence and movement of radionuclides and other trace metals in ground water and surface water in the Puerco River basin in northeastern Arizona and northwestern New Mexico. Radionuclides and other trace metals occur naturally in water, rock, and sediments in the region; however, mining operations have enhanced their release to the Puerco River through discharges of mine effluents. Additionally, in 1979, the failure of a tailings-pond dike resulted in the largest known single release of water contaminated by uranium tailings in the United States.

This report presents selected historical water-quality data and a bibliography of selected references on the geology, hydrology, and water quality of the Puerco River basin. Historical water-quality data for surface water, ground water, and uranium-mine discharges for water years 1942 through 1988 were compiled from information from Federal, State, and local agencies.

INTRODUCTION

In June 1988, the U.S. Geological Survey (USGS) began a 5-year study of the occurrence and movement of radionuclides and other trace metals in ground water and surface water in the Puerco River basin in northeastern Arizona and northwestern New Mexico (fig. 1). The Puerco River drains the west flank of the Chuska Mountains and the western part of the Grants Mineral Belt in New Mexico. Uranium was mined near Church Rock in the 1950's until 1962 and from 1967 to 1986. Uranium milling also took place from 1977 to 1986. Radionuclides and other trace metals occur naturally in water, rock, and sediments throughout the region; however, mining operations enhanced their release to the Puerco River through discharge of mine-dewatering effluents. Additionally, the failure of a tailings-pond dike near the Puerco River headwaters in 1979 resulted in the largest known single release of water contaminated by uranium tailings in the United States.

Since the tailings-pond dike failure in 1979, concern has increased about the quality of surface water and ground water in the Puerco River basin, particularly in the Navajo Tribal Trust Lands referred to as the *New Lands* area near Chambers, Arizona (fig. 1). In 1980, an amendment to the Relocation Act (Public Law 93-531) permitted the addition of about 400,000 acres of land to the Navajo Reservation in two areas in

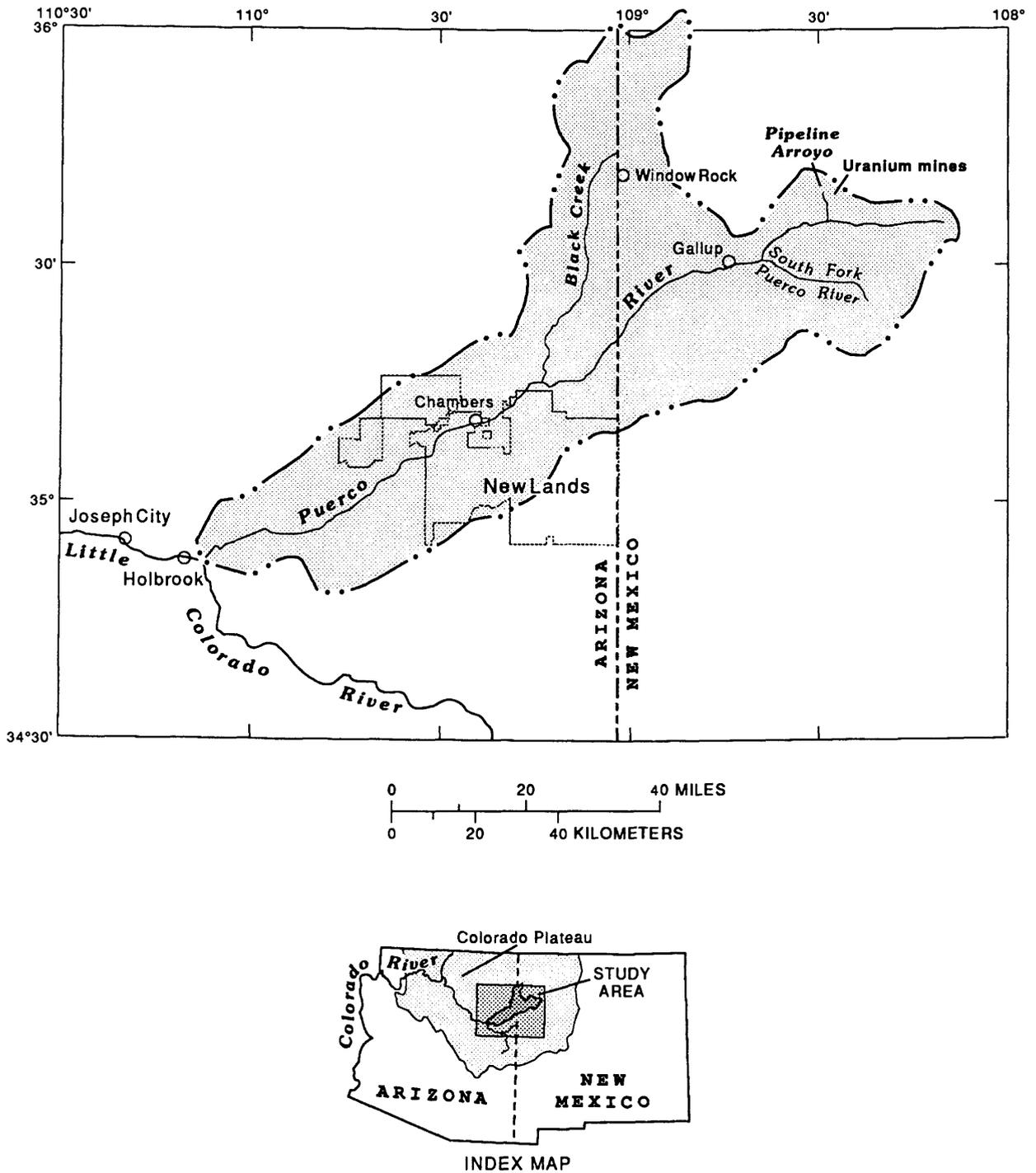


Figure 1.--Location of study area.

Arizona and New Mexico. The larger area is south of Chambers, Arizona, and currently consists of 350,000 acres (fig. 1), but will eventually include 365,000 acres (Christopher Bavasi, Director, Office of Navajo and Hopi Indian Relocation, oral commun., 1990). The smaller area consists of 35,000 acres in New Mexico (not shown on map) and is known as the Paragon Resources Ranch (David Shaw-Serdar, Office of Navajo and Hopi Indian Relocation, oral commun., 1990). The land is being used by the Navajo people who are relocating from the former Navajo and Hopi Joint Use Area, which is now a part of the Hopi Reservation (Paul Tessler, Legal Counsel for the Office of Navajo and Hopi Indian Relocation, oral commun., 1989). As of June 1990, 149 families had relocated in the New Lands area (Christopher Bavasi, Director, Office of Navajo and Hopi Indian Relocation, oral commun., 1990), and the population is expected to increase from a pre-1983 population of approximately 875 to about 3,000 people as a result of the relocation. Ground-water use is expected to change from mainly livestock supply to domestic and public supplies as a result of the increase in population.

In 1985, the Office of Navajo and Hopi Indian Relocation requested that the USGS study the distribution of radionuclides in water resources in the basin. Webb and others (1987a, b) made a reconnaissance-level study of the ground-water quality in the Puerco River basin and determined that radionuclide activities in 5 of 14 wells were at or above the maximum contaminant level for the State of Arizona of 15 pCi/L (picocuries per liter) of gross alpha minus the sum of activity of uranium and radon (McClennan, 1984) and the U.S. Environmental Protection Agency (1986a). The present, more detailed study of quality and hydrology of surface water and ground water began in 1988. This study is being done in cooperation with the Office of Navajo and Hopi Indian Relocation (ONHIR), U.S. Bureau of Indian Affairs (BIA), the Navajo Nation, Arizona Department of Water Resources (ADWR), Arizona Department of Environmental Quality (ADEQ), and New Mexico Environmental Improvement Division (NMEID).

Purpose and Scope

The purpose of this report is to present (1) selected historical water-quality data for the Puerco River basin that were collected prior to October 1988 and (2) a bibliography of selected references on the geology, hydrology, and water quality of the Puerco River basin. Chemical analyses have been grouped into three types—surface-water data, ground-water data, and data that specifically concern uranium-mine discharges. In the interest of completeness, some previously published data and data from other agencies are included. The report includes selected data from 1942 through the 1988 water year, which ended on September 30, 1988.

Acknowledgments

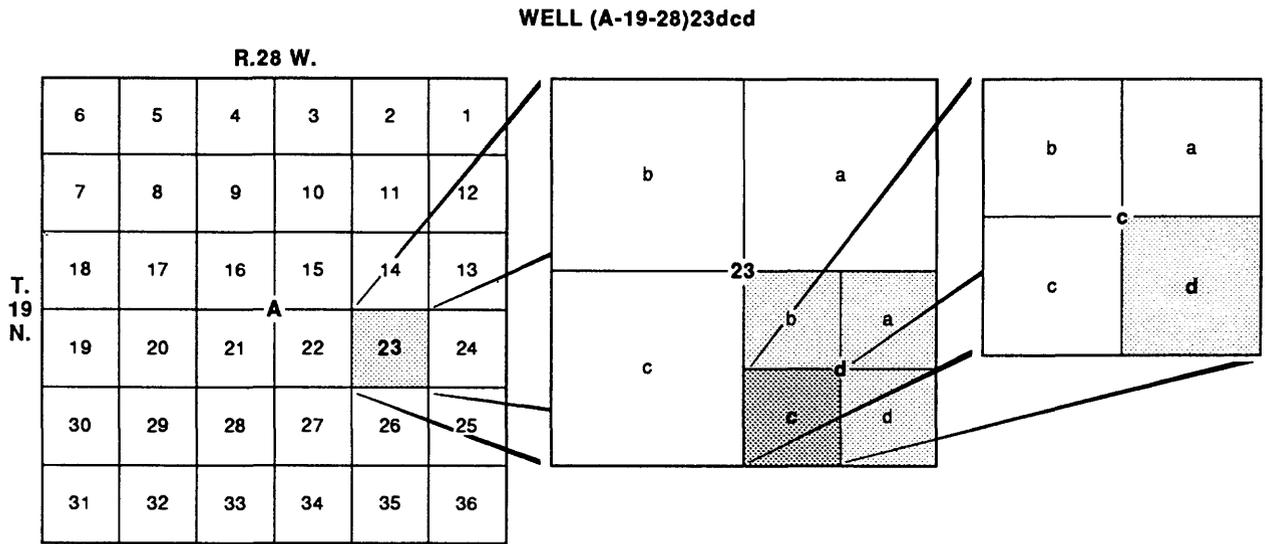
This report could not have been prepared without the cooperation of many individuals who supplied data and other information and assisted in the review of the data. Carol Boughton, formerly of the

Division of Water Resources, Navajo Nation; Chris Shuey, Southwest Research and Information Center; Dennis McQuillan and David Baker of the New Mexico Environmental Improvement Division; Earle Dixon, University of Nevada, Las Vegas; and E.K. Swanson, Arizona Department of Environmental Quality generously cooperated in the study.

Well-Numbering Systems

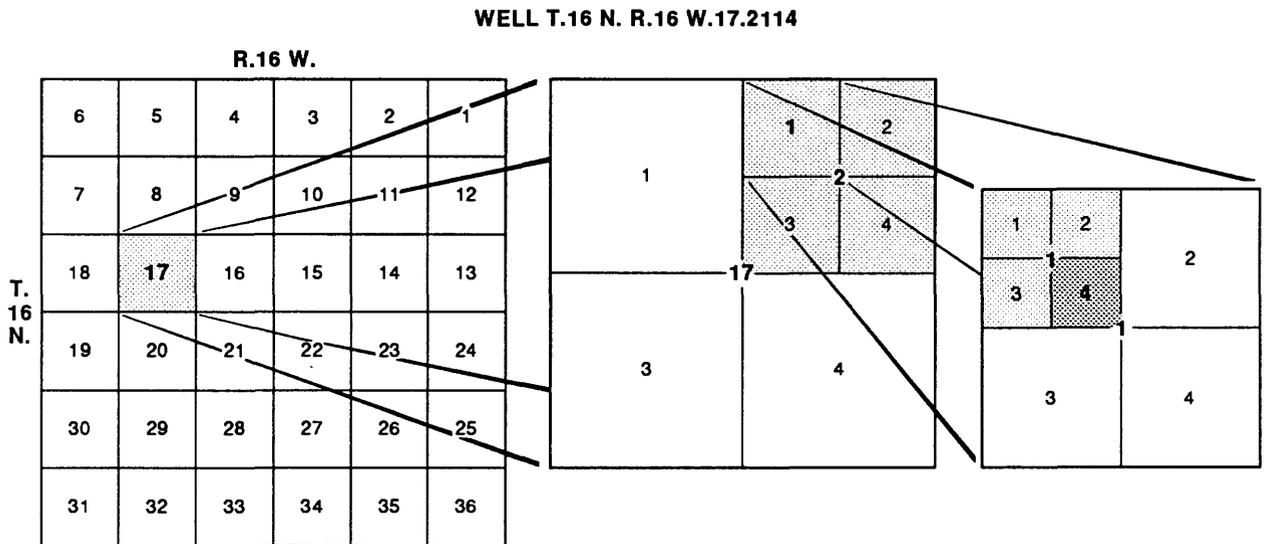
The well numbers used by the Geological Survey in Arizona are in accordance with the Bureau of Land Management's system of land subdivision. The land survey in Arizona is based on the Gila and Salt River Meridian and Base Line, which divide the State into four quadrants (fig. 2). These quadrants are designated counterclockwise by the capital letters, A, B, C, and D. All land north and east of the point of origin is in A quadrant, that north and west in B quadrant, that south and west in C quadrant, and that south and east in D quadrant. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lower case letters *a*, *b*, *c*, and *d* after the section number indicate the well location within the section. The first letter denotes a particular 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. These letters also are assigned in a counterclockwise direction, beginning in the northeast quarter. If the location is known within the 10-acre tract, three lowercase letters are shown in the well number. In the example shown, well number (A-19-28)23dcd designates the well as being in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 19 N., R. 28 W. Where more than one well is within a 10-acre tract, consecutive numbers beginning with 1 are added as suffixes.

In New Mexico, the State identification number locates the well site to the nearest 2.5-acre tract in the land network (fig. 3). The site number is divided into four segments. The first segment denotes the township north or south of the New Mexico Base Line; the second segment denotes the range east or west of the New Mexico Principal Meridian; the third segment denotes the section. The fourth segment, consisting of four digits, denotes the 160-, 40-, 10-, and 2.5-acre tracts, respectively, in which the site is situated. For this purpose, the section is divided into four quarters, numbered 1, 2, 3, and 4, in the normal reading order, for the northwest, northeast, southwest, and southeast quarters, respectively. The first digit of the fourth segment gives the quarter section, which is a tract of 160 acres. Similarly, the quarter section is divided into four 40-acre tracts numbered in the same manner; the second digit denotes the 40-acre tract. The 40-acre tract is divided into four 10-acre tracts; the third digit denotes the 10-acre tract. The 10-acre tract is divided into four 2.5-acre tracts; the fourth digit denotes the 2.5-acre tract. Thus, site T. 16 N., R. 16 W., 17.2114 is in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, section 17, Township 16 North, Range 16 West, second 160-acre tract, first 40-acre tract, first 10-acre tract, and fourth 2.5-acre tract. If the site cannot be located accurately within a 2.5-acre tract, the fourth digit is absent; if it cannot be located accurately within a 10-acre tract, the third digit is absent; if it cannot be located accurately within a 40-acre tract, the second, third, and fourth digits are absent. If the site cannot be located more closely than a section, the entire fourth segment of the number is omitted (Gallaher and Cary, 1986).



**Quadrant A, Township 19 North, Range 28 West, section 23, quarter section d,
quarter section c, quarter section d**

Figure 2.--Well-numbering system for Arizona.



**Township 16 North, Range 16 West, section 17, quarter section 2, quarter section 1,
quarter section 1, quarter section 4**

Figure 3.--Well-numbering system for New Mexico
(Gallaher and Cary, 1986).

In the Navajo Reservation, where public land surveys have not been made (fig. 4), the local identifier is a field number that consists of three parts. The first part is formed from the BIA district number. The second part is the 15-minute quadrangle number also assigned by the BIA. The third part is the quadrangle location number and indicates the position of a site within a 15-minute quadrangle and consists of two parts. The first part is the distance in miles west of the northeast corner of the quadrangle, and the second part is the distance in miles south of the northeast corner of the quadrangle (fig. 5). The letter A at the end of the quadrangle location number means an approximate location.

Physical Setting

The Puerco River basin drains about 3,000 mi² of the southeastern part of the Colorado Plateau (fig. 1). The headwaters of the Puerco River are in northwestern New Mexico, north of the Zuni Mountains and west of the Chuska Mountains. The river flows for a total of 140 mi southwestward through Gallup, New Mexico, then west-southwestward to join the Little Colorado River east of Holbrook, Arizona. The Puerco River is ephemeral along most of its length and is characterized by long periods of no flow. Most runoff occurs in response to spring snowmelt and to brief, intense summer thunderstorms. Since the 1950's, flow in some reaches of the Puerco River has become perennial as a result of effluent discharge from uranium mines and from the sewage-treatment plant at Gallup, New Mexico (Gallaher and Cary, 1986; Perkins and Goad, 1980).

Geologic Setting

Bedrock in the Puerco River basin consists of folded Paleozoic and Mesozoic sedimentary rocks that dip slightly to the northeast (Cooley and others, 1969). Steeply dipping fault zones that trend north and south displace these rocks. In New Mexico (fig. 1), the basin follows the Gallup Sag, a synclinal depression that lies between the Defiance and Zuni Uplifts to the north and southeast (Hilpert, 1969). Younger rocks of Tertiary and Quaternary age, including the Tertiary Bidahochi Formation, generally are undeformed. Major uranium and minor coal deposits are in the Jurassic Morrison Formation to the east and northwest of Gallup (Hackman and Olson, 1977). Uranium minerals also occur in the Petrified Forest Member of the Triassic Chinle Formation in the west half of the basin. Natural erosion of bedrock that contains uranium and other radionuclides provides the source material for background radiation in regional water resources and sediments (Weimer and others, 1981). The unconsolidated channel deposits and stream-terrace sediments are Quaternary and Tertiary in age (Harrell and Eckel, 1939).

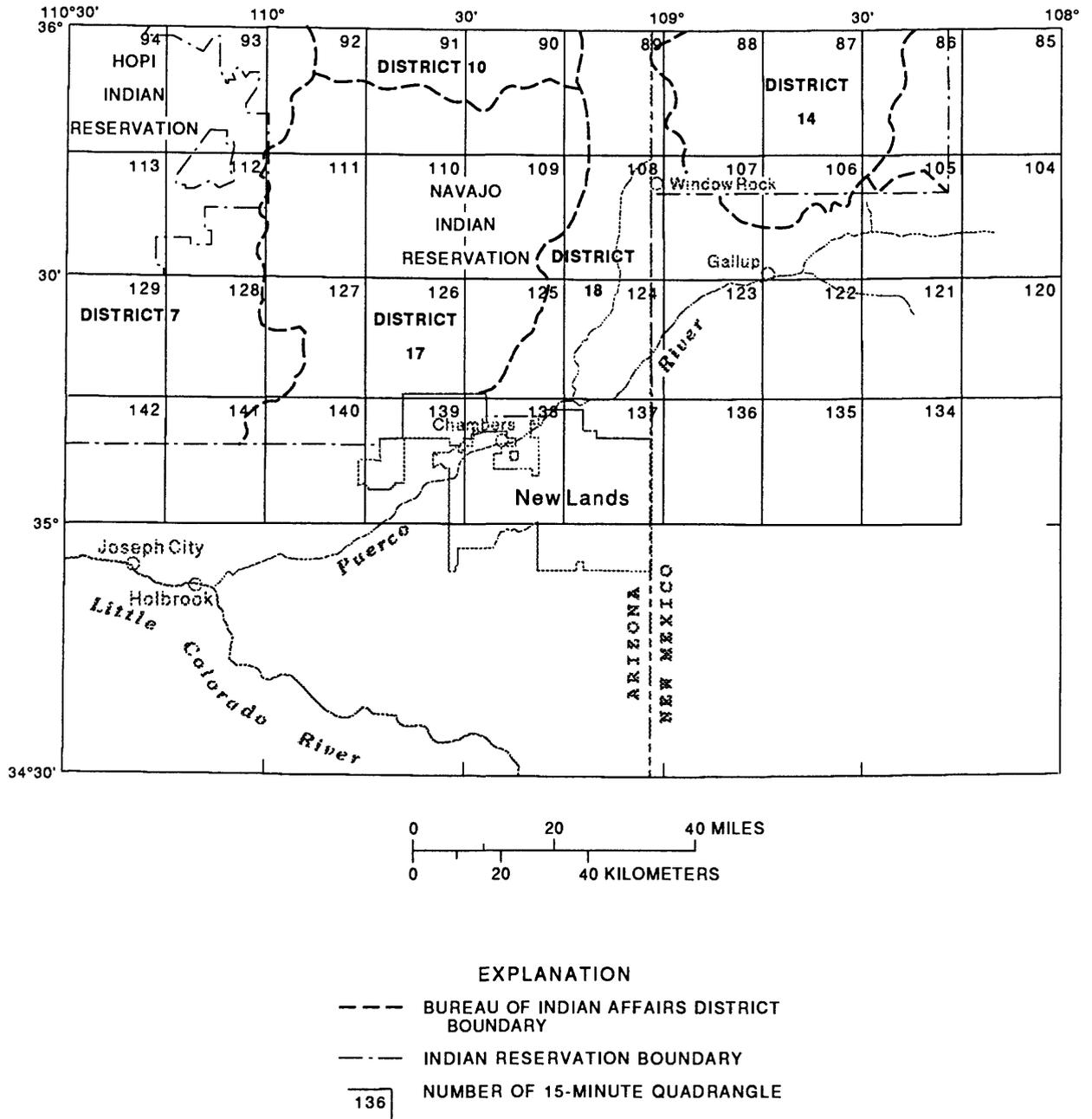


Figure 4.--Navajo and Hopi Indian Reservations, U.S. Bureau of Indian Affairs district boundaries, and 15-minute quadrangles, Arizona and New Mexico (modified from Davis and others, 1963).

WELL 18 108-05.10x16.70

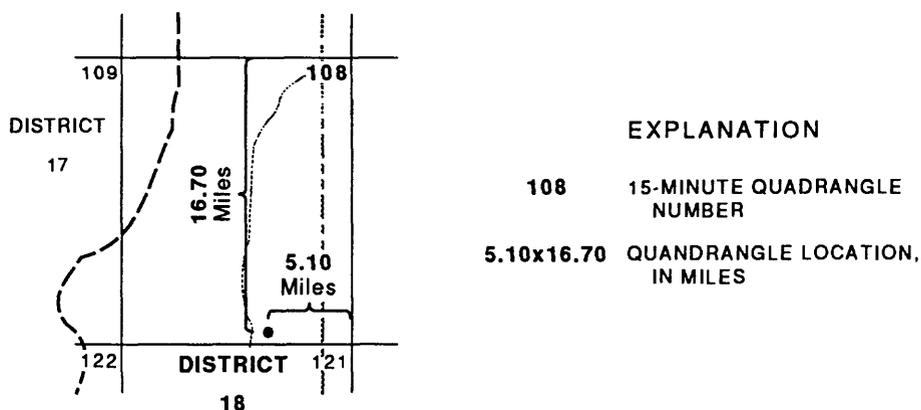


Figure 5.--Well-numbering system used in the Navajo and Hopi Indian Reservations.

Hydrogeologic Setting

The alluvial aquifer beneath the streambed of the Puerco River consists of interbedded gravel, sand, silt, and clay (Mann and Nemecek, 1983). The lateral extent of the alluvial aquifer varies from only a few feet at bedrock exposures to several miles wide in parts of the lower part of the Puerco River basin. The thickness of the aquifer is not well known, but monitor wells drilled at three sites in a 14-mile reach of the Puerco River near Sanders encountered bedrock at 75, 102, and 140 ft. A monitor well drilled to a depth of 193 ft at a nearby fourth site did not encounter bedrock.

Prior to the late 1950's, streamflow in the Puerco River was the result of runoff from thunderstorms, snowmelt, and small quantities of flow from local springs. Since uranium mining began in the Puerco River headwaters, water has been pumped from deep mine shafts and discharged directly to Pipeline Arroyo, which is a headwater tributary of the Puerco River. Water was pumped from the Church Rock Mine at a rate of less than 1 ft³/s from 1960 until the mine was abandoned in 1963 (Hearne, 1977; Perkins and Goad, 1980). Mining resumed in 1967 and, from 1967 to 1986, dewatering discharges ranged from about 5 to 13 ft³/s (Gallaher and Cary, 1986; New Mexico Water Quality Control Commission, 1988; Perkins and Goad, 1980). Effluent discharge from the sewage-treatment plant in Gallup and mine dewatering from the mines near Church Rock resulted in perennial flow in the Puerco River as far downstream as 15 mi west of the New Mexico-Arizona State line (Arizona Department of Health Services, 1983).

Although mine dewatering ceased in 1986, discharges from the sewage-treatment facility in Gallup maintained perennial flow from Gallup to beyond the State line of Arizona and New Mexico. In 1958, the City of Gallup began operation of the sewage-treatment facility and has gradually increased effluent discharges. As of 1989, the facility discharges an average of 4.0 ft³/s to the Puerco River (Albert Jackson, Wastewater System Superintendent, Water Maintenance and Repair, City of Gallup, New Mexico, oral commun., 1989).

The Puerco River contains unusually large concentrations of suspended sediment. In the study period for this report, concentrations of suspended sediment ranged from 474 to 111,000 mg/L. The largest concentration measured to date by the USGS, however, was about 300,000 mg/L on August 1, 1989, at the streamflow-gaging station at Chambers. Because much of the radionuclide activity in the Puerco River is associated with the suspended phase, large variations in total activity generally are associated with fluctuations in suspended-sediment concentrations (Gallaher and Cary, 1986). Except for samples collected during the tailings-pond spill in 1979, measured gross alpha plus gross beta activities in unfiltered samples range from near zero to about 6,700 pCi/L.

In most places, the alluvial aquifer of the Puerco River is underlain by the nearly impermeable siltstone of the Chinle Formation, which impedes downward movement of water into underlying strata. In some areas, such as in tributary channels to the Puerco River and near Navajo, Arizona, the alluvium overlies the permeable strata of the Bidahochi Formation or the sandstone beds of the Chinle Formation, and the alluvium is hydraulically connected to the underlying unit. Most wells that penetrate these formations provide water for livestock and domestic supplies; chemical quality is suitable for most uses (Mann and Nemecek, 1983).

Sources of Data

Data for this report were compiled by the U.S. Geological Survey from information from Federal, State, and local agencies (table 1) and include data from the Storage and Retrieval (STORET) System of the U.S. Environmental Protection Agency (EPA). The STORET system contains water-quality data for surface water and ground water that have been submitted by participating Federal and State agencies. Analyses are identified by source with a code in the agency column of each table, and those codes are explained in table 1. Some data have been published in other articles and reports. Data that have been deliberately omitted include (1) data from the EPA Superfund investigation of the Church Rock Mine, (2) data from the City of Gallup water-supply well records and sewage-treatment records, and (3) data from the National Uranium Resource Evaluation. Data from those sources were considered too voluminous to publish here but can be obtained readily from the appropriate agency.

Table 1.--Contributing agencies

Agency	Agency code	STORET data	Other data
U.S. Geological Survey.....	1028	Yes	Yes
U.S. Bureau of Indian Affairs.....	1008	Yes	Yes
U.S. Forest Service.....	596	Yes	No
U.S. Environmental Protection Agency.....	2000	Yes	No
Arizona Department of Water Resources.....	9704	Yes	Yes
Arizona Department of Health Services.....	80415	No	Yes
Arizona Department of Environmental Quality	9704	Yes	No
New Mexico Department of Water Resources...	702	Yes	No
New Mexico Environmental Improvement Division ¹	704 9735	Yes No	No Yes
Navajo Nation.....	910	No	Yes
United Nuclear Mining Company.....	701	No	Yes
Southwest Research and Information Center..	703	No	Yes
Private laboratory, unspecified.....	9801	--	---

¹Data for New Mexico Environmental Improvement Division that were not in STORET are flagged as agency code 9735.

FEDERAL AND STATE CRITERIA FOR MAXIMUM CONTAMINANT LEVELS

Radionuclides of natural origin and those released by mining operations include uranium, thorium, and their daughter products. Spontaneous transformations in the nuclei cause the emission of alpha and beta particles and, to a lesser extent, gamma rays (Faure, 1977). Although the amount of a radionuclide in a given volume of water can be reported as mass concentration, it usually is presented as an activity in units of picocuries per liter (pCi/L). Radionuclides with short half-lives produce greater amounts of radioactivity than do radionuclides with long half-lives for the same concentration.

Radionuclides in the uranium-238 decay series are harmful to human health in large quantities because of a combination of radiotoxicity and chemical toxicity. Different radionuclides exhibit varying degrees of both radiotoxicity and chemical toxicity. Radiotoxicity is the damaging effect of ionizing radiation on tissues. For example, radium, which is one of the most toxic elements, is highly radioactive and tends to accumulate in the bone (Davis and DeWiest, 1966). In contrast, no studies have found the radiotoxic effects of uranium to be significant. Although uranium is a radioactive element, its radiotoxic effects are insignificant because of the long half-lives of its isotopes and subsequent low activity. Uranium toxicity is due primarily to the chemical effects of its aqueous hexavalent ions on the kidneys (Wrenn and others, 1987).

The maximum contaminant levels applicable to the Puerco River basin in Arizona are based on regulations of the State of Arizona and EPA (table 2). The amount of radium-226 in water supplies forms a basis for monitoring natural radionuclides in drinking-water supplies in the United States (fig. 6). On the basis of radiotoxicity, the EPA primary maximum contaminant level is 5.0 pCi/L for total radium-226 plus radium-228. The maximum contaminant level for gross alpha minus the sum of uranium and radon activity is 15 pCi/L, and the maximum contaminant level for total gross beta activity is 50 pCi/L (table 2 and fig. 6). A maximum contaminant level has not been established for uranium in drinking water. On the basis of chemical toxicity, the recommended limit for uranium is 0.035 mg/L (milligrams per liter; Lappenbusch and Cothorn, 1985). State of Arizona (1977) regulations also require that if the identity or concentration of any radionuclide in a mixture of radionuclides in water is unknown, the limiting value for the regulation is 30 pCi/L of gross alpha plus gross beta activity (table 2).

Uranium-mine discharges in New Mexico are subject to several Federal and State laws and regulations. No single statute addresses all significant water-quality effects resulting from uranium mining (Gallaher and Cary, 1986). Ground-water regulations for domestic water supply (New Mexico Water Quality Control Commission, 1985) specify a maximum level of 30 pCi/L for total radium-226 plus radium-228. The limit for natural uranium in ground water for domestic water supply is 5.0 mg/L. Regulations for New Mexico (New Mexico Environmental Improvement Board, 1985), which apply to water-supply systems regardless of source, specify a maximum total radium activity of 5 pCi/L and a maximum gross alpha minus the sum of uranium and radon activity of 15 pCi/L.

Uranium minewater discharges are exempt from EPA and State regulations. Uranium minewater discharges, however, are subject to Section 402 of the Clean Water Act, which establishes the National Pollutant Discharge Elimination System (NPDES) that regulates discharges of pollutants into *navigable waters* by permit (Gallaher and Cary, 1986). The courts have broadly construed navigable waters to include tributaries of perennial rivers, including intermittent streams flowing through normally dry arroyos. NPDES permit conditions for mines in the Church Rock District are shown in table 3.

Table 2.--Maximum contaminant levels for selected constituents in water, Puerco River basin, Arizona

Maximum contaminant levels, in milligrams per liter, total recoverable concentration unless noted. Dashes, no established maximum contaminant level; D, dissolved concentration or activity; I, insoluble activity. From Webb and others, (1987b)]

Constituent	Maximum contaminant level						
	U.S. Environmental Protection Agency ¹	State of Arizona					All water ⁴
		Drinking water ²		Surface water ^{3 4}			
		Community water system	Noncommunity water system	Domestic water source	Aquatic and wildlife	Agri-cultural and livestock	
Arsenic.....	0.05	0.05	0.10	0.05D	0.05D	0.20	-----
Barium.....	1	1.	2.	1.00D	-----	-----	-----
Boron.....	-----	-----	-----	-----	-----	-----	-----
Cadmium.....	0.010	0.01	0.02	0.01	0.01D	0.05	-----
Chloride.....	⁵ 250	(⁶)	(⁶)	-----	-----	-----	-----
Chromium, total.....	0.05	0.05	0.05	0.05D	0.05D	1.00	-----
Copper.....	⁵ 1	(⁶)	(⁶)	1.00D	0.05D	0.50	-----
Dissolved solids.....	⁵ 500	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	-----
Fluoride ⁷	4.0	⁷ 1.4-2.4	6.0	-----	-----	-----	-----
Gross alpha (picocuries per liter)....	⁸ 15	⁸ 15	⁸ 15	-----	-----	-----	-----
Gross alpha plus gross beta (picocuries per liter).....	-----	-----	-----	⁹ 30	⁹ 30	⁹ 30	⁹ 30
Gross beta (picocuries per liter).....	50	-----	-----	-----	-----	-----	-----
Iron.....	⁵ 0.3	(⁶)	(⁶)	-----	-----	-----	-----
Lead.....	0.05	0.05	0.1	0.05D	0.05D	0.10	-----
Lead-210 (picocuries per liter)....	-----	-----	-----	100D 200,000I	100D 200,000I	100D 200,000I	100D 200,000I
Manganese.....	⁵ 0.05	(⁶)	(⁶)	-----	-----	-----	-----
Mercury.....	0.002	0.002	0.004	0.002D	0.0002	0.0100	-----
pH (units).....	⁵ 6.5-8.5	(⁶)	(⁶)	-----	6.5-9.0	6.5-9.0	-----
Polonium-210 (picocuries per liter)....	-----	-----	-----	700D 30,000I	700D 30,000I	700D 30,000I	700D 30,000I
Radium-226 (picocuries per liter)....	¹⁰ 3	¹⁰ 3	¹⁰ 3	30D 30,000I	30D 30,000I	30D 30,000I	30D 30,000I
Radium-228 (picocuries per liter)....	-----	-----	-----	30D 30,000I	30D 30,000I	30D 30,000I	30D 30,000I
Radium-226 plus radium-228 (picocuries per liter).....	5	5	5	5	5	5	-----

See footnotes at end of table.

Table 2.--Maximum contaminant levels for selected constituents in water, Puerco River basin, Arizona--Continued

Constituent	Maximum contaminant level						All water ⁴
	U.S. Environmental Protection Agency ¹	State of Arizona					
		Drinking water ²		Surface water ^{3 4}			
		Community water system	Noncommunity water system	Domestic water source	Aquatic and wildlife	Agri-cultural and livestock	
Selenium.....	0.01	0.01	0.02	0.0100	0.050	0.050	-----
Silver.....	0.05	0.05	0.10	0.0500	0.0500	-----	-----
Sulfate.....	⁵ 250	(⁶)	(⁶)	-----	-----	-----	-----
Thorium-230 (picocuries per liter)....	-----	-----	-----	2,000 30,0001	2,000 30,0001	2,000 30,0001	2,000 30,000
Uranium, total.	¹¹ 0.035	¹² 0.035	¹² 0.035	45	45	45	45
Zinc.....	⁵ 5.0	(⁶)	(⁶)	5.0000	0.5000	25.00	-----

¹U.S. Environment Protection Agency, 1986a, Maximum contaminant levels (subpart B of part 141, National Interim Primary Drinking Water Regulations: U.S. Code of Federal Regulations, Title 40, Parts 100 to 149, revised as of July 1, 1986, p. 524-528. Unless noted, all values in this column are primary drinking water maximum contaminant levels.

²McClennan, J.J., 1984, Official compilation of administrative rules and regulations: Phoenix, Arizona, State of Arizona report, Supplement 84-3, p. 68-84.

³McClennan, J.J., 1986, Official compilation of administrative rules and regulations: Phoenix, Arizona, State of Arizona report, Advance Supplement 86-4, p. 1-49.

⁴State of Arizona Atomic Energy Commission, 1977, Rules and regulations, title 12: Phoenix, Arizona, State of Arizona report, Supplement 77-3, p. 1-113. These standards apply to all waters.

⁵U.S. Environmental Protection Agency, 1986b, Secondary maximum contaminant levels (Section 143.3 of part 143, National Secondary Drinking Water Regulations): U.S. Code of Federal Regulations, Title 40, Parts 100 to 149, revised as of July 1, 1986, p. 587-590.

⁶To be monitored. No maximum contaminant level.

⁷Fluoride maximum contaminant levels are a function of mean annual maximum daily air temperature.

⁸Includes radium-226 but excludes radon and uranium. See figure 6 for the flow-chart regulations on interpretation of gross alpha results.

⁹If either the identity or the concentration of any radionuclide in the mixture is not known, see footnote 4.

¹⁰If radium-226 exceeds 3 picocuries per liter, radium-228 must be measured (fig. 6).

¹¹Lappenbusch, W.L., and Cothorn, C.R., 1985, Regulatory development of the interim and revised regulations for radioactivity in drinking water--past and present issues and problems: Health Physics, v. 48, p. 535-551.

¹²Glyn G. Caldwell (M.D., Arizona Department of Health Services, written commun., 1985). These values apply to chemical toxicity.

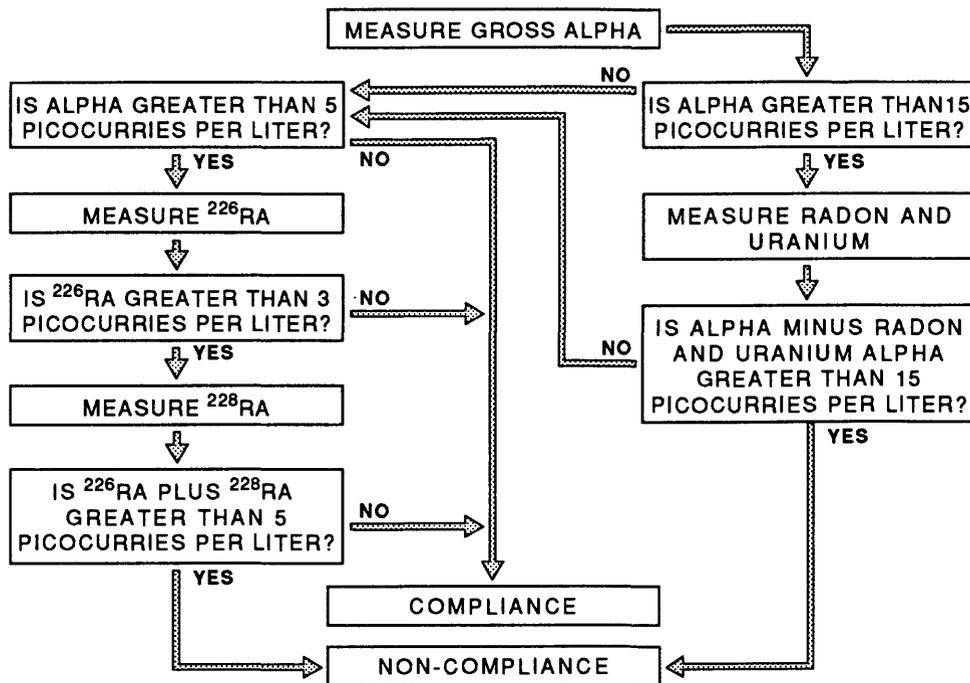


Figure 6.--Flow chart of gross-alpha activity used in monitoring public drinking-water supplies (from Webb and others, 1987b; Lappenbusch and Cothern, 1985).

EXPLANATION OF ILLUSTRATIONS AND TABLES

Sampling sites for surface water and ground water are shown on plates 1 and 2, respectively. Each site is identified with a unique integer. That integer is listed in tables 4 and 5 along with location and identification information. Information on surface-water sites includes map-identification number from plate 1, unique site-identification number, site name, site type, and remarks (table 4). Information on ground-water sites includes map-identification number from plate 2, unique site-identification number, local well number, site type, and remarks (table 5).

Chemical analyses are grouped into three categories—surface-water data, ground-water data, and data that specifically concern mine discharges. The water-quality data for mine discharges are in tables 6-11, and the surface-water and ground-water data are in the section entitled "Historical Water-Quality Data" at the end of this report. All data of the USGS in this report were collected using standard methods of the USGS described by Kister and Garrett (1984). Data from other agencies may have been collected using other methods of collecting, different analytical techniques, and (or) other methods of reporting. Many of the methods used by the USGS and other agencies may have changed or have been refined with time. Caution is recommended when making comparisons between quality-of-water data over a long period of time even if those data are from the same agency.

Table 3.--Permit conditions for the National Pollutant Discharge Elimination System for uranium minewater discharges, Church Rock Mining District

[* indicates that although the permit does not specify a numeric limitation, monitoring and reporting are required (table from Gallaher and Cary, 1986). Units of measure are reported as published in Gallaher and Gary, 1986. Values are in the following units: °F, degrees Fahrenheit; MGD, million gallons per day; mg/L, milligrams per liter; lb/d, pounds per day; pCi/L, picocuries per liter]

Site (NPDES permit)		Tem- pera- ture (°F)	Streamflow (MGD)	Oxygen demand, chemical (COD)	pH (Stand- ard units)	Total suspended sediment, (mg/L)	Total dissolved solids (lb/d)	Bio- moni- tor- ing	Barium, total (mg/L)	Mange- nese, total (mg/L)
Kerr-McGee (Quivira)/ Church Rock (NM002524).....	Daily average	*	*	100	6.0-	20	*	Yes	*	*
	Daily maximum	*	*	200	9.0-	30	*	Yes	*	*
United Nuclear Corporation/ Northeast Church Rock Mine (NM0020401).....	Daily average	*	*	100	6.0-	20	2,000	Yes	*	*
	Daily maximum	*	*	200	9.0-	30	2,000	No	*	*
United Nuclear Corporation/ Old Church Rock Mine (NM0028550)..	Daily average	*	*	100	6.0-	20	*	No		
	Daily maximum	*	*	200	8.6-	30				

Site (NPDES permit)		Molyb- denum, total (mg/L)	Sele- nium, total (mg/L)	Lead-210, total (pCi/L)	Polonium- 210, total (pCi/L)	Uranium, total (mg/L)	Vana- dium, total (mg/L)	Zinc, total (mg/L)	Radium-226, dissolved (pCi/L)	Radium-226, total (pCi/L)
Kerr-McGee (Quivira)/ Church Rock (NM002524).....	Daily average	*	*	*	*	2.0	*	0.5	3	10
	Daily maximum	*	*	*	*	4.0	*	1.0	10	30
United Nuclear Corporation/ Northeast Church Rock Mine (NM0020401).....	Daily average	*	*	*	*	4.0	*	1.0	*	10
	Daily maximum	*	*	*	*	4.0	*	1.0	10	30
United Nuclear Corporation/ Old Church Rock Mine (NM0028550)..	Daily average	*	*	*	*	2.0	*	0.5	3	10
	Daily maximum	*	*	*	*	4.0	*	1.0	10	30

Table 4.--Surface-water sites

Map integer (See plate 1)	Unique site identification	Location	Type of site	Remarks
1	352705108213501	South Fork Puerco River at Foster City	Stream	
2	352818108251401	GFMC10	Stream	Four Mile Canyon, 3.5 mile from Coolidge, along I-40
3	353736108281701	GRPWA008	Stream	Pipeline Arroyo at bridge near United Nuclear Company mill
4	353740108293601	GRPW02	Stream	Puerco River, north fork at U.S. Bureau of Land Management cluster
5	353738108294201	1.5 mile above waterfall	Stream	
6	353924108294601	PLWFUPUNC	Stream	Pipeline Wash Ford, 0.5 mile upstream from United Nuclear Company mill
7	353923108294710	Puerco River, Tributary B	Stream	
8	353930108294810	East Fork, United Nuclear Kerr-McGee	Stream	
9	353850108301510	Pipeline Canyon at trestle	Stream	
10	353940108302601	GRPWA002	Stream	Pipeline Arroyo below United Nuclear Company spoils pile
11	353932108303101	United Nuclear Company Spoils Pile 1	Stream	United Nuclear Company mine water below spoils pile
12	353727108303501	0.5 mile above waterfall	Stream	
13	352242108304401	LCR000.000010	Lake or reservoir	McGaffey Lake, shallow
14	352237108305001	LCR000.000005	Lake or reservoir	McGaffey Lake, deep
15	353821108305201	PLWDNUNC	Stream	Pipeline Wash, 1 mile downstream from United Nuclear Company mill
16	352300108310001	030006	Lake or reservoir	McGaffey Lake
17	353804108311201	GRPWA016	Stream	Pipeline Arroyo, 1 mile below United Nuclear Company tailings dam
18	353814108320101	Pipeline Arroyo south of United Nuclear Corporation, Puerco River	Stream	
19	353731108320701	Puerco River at U.S. Bureau Indian Affairs Rt 11 bridge	Stream	
20	353642108330401	GRPW095P	Stream	Stranded pool in Puerco River above Pinedale Bridge
21	353644108330901	GRPW009	Stream	Puerco River at Pinedale Bridge
22	353646108330910	Puerco River near spring	Stream	
23	09395350	Puerco River near Church Rock	Stream	
24	09395400	Milk Ranch Canyon near FT.	Stream	
25	353641108333501	GRPW10	Stream	North Fork Rio Puerco at U.S. Geological Survey gaging station 09395350
26	353156108362301	South Fork Puerco River	Stream	South Fork at 566 Bridge near town of Church Rock
27	353457108363701	GRPW013	Stream	Puerco River at White Rock Mesa (double) Bridge
28	353223108380901	Puerco River near Refinery	Stream	
29	353421108381010	Puerco River above White Cliff	Stream	Near well 16K-336 EID PREP1
30	353351108384201	Puerco River at White Cliff Wash	Stream	
31	353231108384801	GRPWS10	Stream	South Fork Rio Puerco near gas plant NMEID PREP-2
32	353210108400010	Confluence of North and South Puerco River	Stream	
33	353217108400501	GRPW015SP	Stream	Stranded pool in Puerco tributary above Gallup cluster
34	353150108404401	Puerco River at Indian Hill	Stream	
35	353150108411410	Puerco River at the Hogback	Stream	

Table 4.--Surface-water sites--Continued

Map integer (See plate 1)	Unique site identification	Location	Type of site	Remarks
36	353149108424201	Puerco River near filter plant	Stream	
37	353148108442110	Puerco River at Gallup	Stream	
38	353146108444001	GRPW20	Stream	Rio Puerco at U.S. Geological Survey gaging station 09395500
39	09395500	Puerco River at Gallup	Stream	
40	353128108452901	GRPW025	Stream	Puerco River at West Gallup Bridge
41	353056108504402	A-15-19 22BCC02	Stream	Bridge 83 southwest
42	353057108483101	Puerco River near sewage plant	Stream	
43	352926108541501	Puerco River near Defiance	Stream	
44	09395630	Puerco River Manuelito	Stream	
45	352743108563201	A-14-20 10ABD1	Stream	Puerco River, Manuelito elevation topographic
46	352649108570401	Puerco River near port of entry	Stream	
47	352336108580010	Manuelito Creek	Stream	NMEID PREP-9
48	352240109022010	21N.13W.11.144 Puerco River	Stream	
49	352129109023010	Puerco River at Lupton, Ariz.	Stream	
50	352118109024301	306300000000150	Stream	Puerco River near Arizona-New Mexico State line at Lupton
51	09395650	Puerco River near Lupton, Ariz.	Stream	
52	09395900	Black Creek near Lupton, Ariz.	Stream	
53	351655109085201	3063000000000210	Stream	Puerco River near Houck. T. 22 N., R. 30 E., section 27
54	351654109125201	Black Creek at I-40	Stream	Miscellaneous quality of water sample
55	09395990	Black Creek below West Fork Black Creek	Stream	Black Creek near Houck
56	351655109125601	3063000000000211	Stream	Black Creek below I-40 near Houck
57	351611109145410	Puerco River downstream from Houck	Stream	NMEID PREP-12
58	351245109194501	A-21-28 13CBD	Stream	Dixon sample ISO-01; isotope only
59	345502109252901	Crescent Lake 1	Lake or reservoir	Crescent Lake
60	351041109271501	3063000000000135	Stream	Puerco River near Chambers. T. 21 N., R. 27 E., section 35
61	09396100	Puerco River near Chambers, Ariz.	Stream	
62	350928109292801	A-20-27 05DDC	Lake or reservoir	Dixon samples ISO-02; pipe near pond
63	345844109473901	3063000000000038	Stream	Puerco River above Petrified Forest north of bridge
64	09394500	Little Colorado River at Woodruff	Stream	
65	344931110035000	Little Colorado River below Woodruff	Stream	
66	345313110035000	Little Colorado River below Puerco River	Stream	
67	345313110035001	Little Colorado River at Puerco River	Stream	
68	345258110062801	3000000000033560	Stream	Little Colorado River near Holbrook
69	345348110070601	3063000000000015	Stream	Puerco River near Holbrook. T. 17 N., R. 21 E., section 4
70	09397000	Little Colorado River	Stream	
71	09397100	LeRoux Wash near Holbrook, Ariz.	Stream	
72	09397300	Little Colorado River at Joseph City	Stream	

Table 5.--Ground-water sites

Map integer (See plate 2)	Unique site identification	Local well number	Type of site	Remarks
1	353736108293502	W031029	Well	0.75 mile southeast of Mesa Ram, east bank of Puerco River
2	353738108293501	W031027	Well	0.75 mile southeast of Mesa Ram, east bank of Puerco River
3	353742108293601	(A-16-16)12ccb01	Well	U.S. Bureau of Land Management-1V elevation from 1:250,000 topographic map
4	353736108294301	Annie Gray well	Well	Annie Gray well near Pinedale, New Mexico
5	353038108300201	15N.16W.23.3132	Well	
6	352233108304201	13N.16W.10.210	Well	
7	353649108305801	16N.16W.15.4322A	Well	See 353649108305802 for data after October 17, 1981
8	353016108310501	15N.16W.27.2312	Well	
9	353706108312801	W031025	Well	1.65 mile east of State Route 566, east bank of Puerco River
10	353710108312803	(A-16-16)15bcd03	Well	CON-3 elevation from 1:74,000 topographic map
11	353707108312901	W031023	Well	1.65 mile east of State Route 566, east bank of Puerco River
12	353707108312902	W031024	Well	1.65 mile east of State Route 566, east bank of Puerco River
13	352745108320201	NAVAJO RESERVATION	Spring	
14	352754108321501	FORT WINGATE SPRING	Spring	
15	352825108323201	14N.16W.04.430	Well	
16	352744108324001	FORT WINGATE BEAR SP	Spring	
17	353032108324401	15N.16W.21.330	Well	
18	353722108331201	16N.16W.17.2114	Well	
19	352735108340001	FORT WINGATE SHEEP LAB S	Spring	
20	353345108340701	15N.16W.06.2	Well	
21	352710108341501	FORT WINGATE MILK RANCH	Spring	
22	352942108342301	15N.16W.30.3443	Well	
23	352708108342501	FORT WINGATE	Spring	
24	352800108342801	FORT WINGATE SANTA FE SP	Spring	
25	353456108343801	16N.16W.30.3431	Well	
26	353521108343801	16N.16W.19.1	Well	
27	353625108343801	W031020	Well	0.8 mile west of State Route 556, east bank of Puerco River
28	353627108343901	W031019	Well	0.8 mile west of State Route 556, east bank of Puerco River
29	353624108344001	W031021	Well	0.8 mile west of State Route 556, east bank of Puerco River
30	353624108344002	W031022	Well	0.8 mile west of State Route 556, east bank of Puerco River
31	353214108345601	15N.17W.13.222	Well	
32	353116108345901	15N.17W.24.4121	Well	
33	353351108350101	15N.17W.01.2232	Spring	
34	353137108353001	15N.17W.13.3243	Well	
35	353222108353201	15N.17W.12.34	Well	
36	353131108353401	15N.17W.13.3414	Well	
37	353218108353401	15N.17W.12.340	Well	
38	353218108353402	15N.17W.12.34	Well	
39	353209108354101	15N.17W.13.1142	Well	
40	353212108354101	15N.17W.13.1124	Well	
41	353141108354601	15N.17W.13.3141	Well	
42	353224108354601	15N.17W.12.340	Well	
43	353534108354701	W031016	Well	1.3 mile west of State Route 556, east bank of Puerco River
44	353536108354901	W031015	Well	1.3 mile west of State Route 556, east bank of Puerco River

Table 5.--Ground-water sites--Continued

Map integer (See plate 2)	Unique site identification	Local well number	Type of site	Remarks
45	353534108355001	16N.17W.25.1132	Well	
46	353535108355003	(A-16-17)25bba03	Well	WIN-3U elevation from 1:24,000 topographic map
47	353535108355004	(A-16-17)25bba04	Well	WIN 3L elevation from 1:24,000 topographic map
48	353535108355005	16N.17W 25 223C	Well	Navajo Reservation identification 16K-340
49	353536108355001	WINDMILL16-K340	Well	16-K340 windmill near cluster from holding tank
50	353534108355201	16N.17W.25.1132	Well	
51	353535108355201	W031017	Well	1.3 mile west of State Route 556, east bank of Puerco River
52	353535108355202	W031018	Well	1.3 mile west of State Route 556, east bank of Puerco River
53	353143108355801	15N.17W.14.4224	Well	
54	353157108361501	15N.17W.14.2324A	Well	
55	353204108361501	15N.17W.14.214	Well	
56	353158108361601	15N.17W.14.2322B	Well	
57	353159108362301	15N17W 14.23	Well	Church Rock North Pump No. 1
58	353159108362302	15N17W 14.23	Well	Church Rock South Pump No. 2
59	353203108364401	15N.17W.14.1A	Well	
60	353203108364402	15N.17W.14.1	Well	
61	353158108370901	15N.17W.15.24142	Well	
62	353710108371801	NR106.0695X0900	Well	
63	353159108375401	15N.17W.15.1321	Well	
64	353214108380701	15N.17W.16.2222A	Well	
65	353420108380901	16N.17W.33.4223	Well	
66	353421108381001	16N 17W 33 411	Well	Navajo Nation 16K-336
67	353208108382801	15N.17W.16.21	Well	
68	353548108383801	NR106.0820X1070 16T-534	Well	
69	353140108390601	15N.17W.16.3131	Well	
70	353140108390602	15N.17W.16.3131A	Well	
71	353327108391001	W031012	Well	1.75 mile north of Interstate 40, north bank of Puerco River
72	353326108391301	W031014	Well	1.75 mile north of Interstate 40, north bank of Puerco River
73	353328108391401	W031013	Well	1.75 mile north of Interstate 40, north bank of Puerco River
74	353345108392601	15N.17W.05.200	Well	
75	352300108393701	GLLPCTY TSTWELL	Well	City of Gallup test well
76	353333108394201	15N.17W.05.000	Well	
77	353220108400001	W031001	Well	East of Gallup, New Mexico, on west bank of Rio Puerco
78	353220108400002	W031002	Well	East of Gallup, New Mexico, on west bank of Rio Puerco
79	353220108400003	W031003	Well	East of Gallup, New Mexico, on west bank of Rio Puerco
80	353220108400004	W031004	Well	East of Gallup, New Mexioc, on west bank of Rio Puerco
81	353220108400005	15N 17W 08.334E	Well	
82	353216108400401	W031030	Well	0.62 mile north of Interstate 40, west bank of Puerco River
83	353102108404201	15N.18W.24.23	Well	
84	353514108405501	16N.17W.30.000	Well	
85	353101108414201	15N.18W.24.23	Well	
86	353157108414501	15N.18W.13.131	Well	
87	353139108415201	15N.18W.13.324	Well	
88	353144108415401	15N.18W.13.322	Well	
89	353157108420801	15N.18W.13.132	Well	
90	353204108421501	15N.18W.13.1134A	Well	
91	352952108421901	15N.18W.25.330	Well	

Table 5.--Ground-water sites--Continued

Map integer (See plate 2)	Unique site identification	Local well number	Type of site	Remarks
92	353203108422401	15N.18W.14.2244	Well	
93	353204108422401	15N.18W.14.242	Well	
94	353144108422701	15N.18W.14.422	Well	
95	353217108422701	15N.18W.14.2223	Well	
96	353205108424301	15N.18W.14.232	Well	
97	353215108425701	15N.18W.14.2223	Well	
98	353151108425801	15N.18W.14.144	Well	
99	353440108430401	16N.18W.35.14	Well	
100	353153108430501	15N.18W.14.143	Well	
101	353153108430502	15N.18W.14.143	Well	
102	353153108432201	15N.18W.14.133	Well	
103	353631108433301	16N.18W.15.4433	Well	
104	353145108434701	15N.18W.15.412	Well	
105	352657108444001	14N.18W.16.220	Well	
106	353144108444301	15N.18W.16.421	Well	
107	352702109000001	14N 20W 07 34	Well	Navajo Nation 16T-549
108	352456109001201	18 124-00.20X05.85	Well	
109	352344109011001	18 124-01.10X07.23	Well	
110	352306109015001	18 124-01.76X08.00	Well	
111	352306109015801	18 124-01.86X08.00	Well	
112	352242109023001	18 124-02.40X08.45	Well	
113	354747109025001	18 089-02.65X14.02	Well	
114	355417109025301	18 089-02.72X06.58	Well	
115	352059109025901	18 124-02.83X10.42	Well	
116	351858109031601	18 124-03.09X12.73	Well	
117	351858109031701	(A-22-31)09ddb1	Well	
118	352123109031801	(A-23-31)33aab	Well	Arizona Department of Transportation, Painted Cliffs rest area well no. 1
119	352154109031801	18 124-03.10X09.35	Well	
120	355955109031901	18 089-03.10X00.10	Well	
121	352152109032301	18 124-03.20X09.40	Well	
122	352049109033201	18 124-03.33X10.64	Well	
123	354132109033401	18 108-03.35X04.00	Well	
124	353933109034101	18 108-03.45X06.25	Well	
125	354132109034701	18 108-03.55X04.00	Well	
126	352107109035201	18 124-03.65X10.30	Well	
127	354416109035401	18 108-03.65X00.85	Well	
128	353859109040901	18 108-03.90X06.90	Well	
129	352002109041301	18 124-03.98X11.54	Well	
130	352111109041401	18 124-04.00X10.20	Well	
131	350623109041501	(A-20-31)29adc2	Well	
132	351902109041701	(D-22-31)08aad	Well	Begay well T. 22 N., R. 31 E., section 8 NE¼NE¼NE¼SE¼
133	351933109041701	(A-22-31)08aad1	Well	
134	352029109042001	(A-22-31)05AAB	Well	Dixon sample NL-21, livestock windmill
135	352027109042101	18 124-04.12X11.07	Well	
136	354438109042301	18 108-04.10X00.40	Well	
137	353941109042401	18 108-04.13X06.12	Well	
138	354024109042401	18 108-04.12X05.28	Well	
139	353944109043001	18 108-04.23X06.05	Well	
140	353928109044501	18 108-04.47X06.34	Well	
141	353900109044701	18 108-04.50X06.90	Well	
142	355330109044901	18 089-04.51X07.45	Well	
143	355358109045001	18 089-04.50X06.95	Well	
144	355332109045301	18 089-04.55X07.45	Well	
145	353032109052501	18 108-05.10X16.70	Well	
146	351110109053901	18 137-05.35X04.41	Well	
147	354047109054201	18 108-05.35X04.85	Well	
148	353848109054301	18 108-05.35X07.11	Well	
149	354530109054302	18 089-05.35X16.61	Well	

Table 5.--Ground-water sites--Continued

Map integer (See plate 2)	Unique site identification	Local well number	Type of site	Remarks
150	353919109054701	18 108-05.43X06.53	Well	
151	354520109054701	18 089-05.40X16.85	Well	
152	353436109055201	18 108-05.52X12.03	Well	
153	353923109055201	18 108-05.51X06.46	Well	
154	351810109055301	18 124-05.56X13.70	Well	
155	354522109055501	18 089-05.55X16.80	Well	
156	351906109055801	18 124-05.65X12.60	Well	
157	353522109055901	18 108-05.65X11.15	Well	
158	351906109060201	18 124-05.70X12.60	Well	
159	353904109062001	18 108-05.95X06.80	Well	
160	350858109063201	(A-20-30)12abd	Well	
161	353517109063801	18 108-06.25X11.25	Well	
162	351924109063901	18 124-06.30X12.25	Well	
163	351557109070901	Keetseel Spring	Spring	Keetseel Spring near Houck, Arizona
164	351726109073001	(A-22-30)23ad	Well	Navajo Nation 18A-111
165	352000109075001	18-124-07.20X11.50	Well	Indian City
166	350608109084201	(A-20-30)27dbd	Well	
167	354800109084601	18 089-08.20X13.80	Well	
168	355152109085401	18 089-08.32X09.35	Well	
169	355152109085601	18 089-08.36X09.35	Well	
170	351439109090401	18 137-08.60X00.39	Well	
171	351646109091801	18 124-08.80X15.30	Well	
172	350959109091901	(A-20-30)03bbb	Well	
173	351722109092601	(A-22-30)22cbb	Well	Dixon sample NL-25; well faucet
174	351728109092901	(A-22-30)21daa	Well	Dixon sample ISO-09; near NL-41
175	360034109102701	18 069-09.73X16.52	Well	
176	351128109114601	18 137-11.07X04.04	Well	
177	350240109121001	(A-19-30)18cab	Well	
178	351138109121501	18 137-11.54X03.87	Well	
179	351730109122601	(A-22-30)19bcd	Well	Fort Courage--Top Well-Well No. 1
180	351727109125001	18 124-12.10X14.50	Well	
181	351639109125801	18 124-12.25X15.43	Well	
182	351154109130001	(A-21-29)04dcc	Well	
183	351751109130701	18 124-12.38X14.06	Well	
184	351624109130901	(A-22-29)25cad	Well	Dixon sample NL-40; faucet by well
185	351750109132401	18 124-12.65X14.05	Well	
186	351807109132601	18 124-12.70X13.75	Well	
187	351834109134301	(A-22-29)14aad	Spring	Dixon sample NL-24; hand pump cistern
188	352852109134301	18 124-12.95X01.30	Well	
189	350506109134601	(A-20-29)35dcd	Well	
190	351607109140601	18 124-13.34X16.06	Well	
191	355640109144001	10 089-13.70X03.85	Well	
192	353128109145801	18 108-14.05X15.57	Well	
193	351804109152001	(A-22-29)15cdb	Spring	Dixon sample NL-28; hand pump cistern
194	351155109152501	(A-21-29)22cca	Well	
195	351729109152601	18 125-00.41X14.41	Well	
196	350353109155301	(A-19-29)09aac	Well	
197	351707109161001	18 125-01.10X14.80	Well	
198	353442109162601	18 109-01.35X11.86	Well	
199	352422109164801	17 125-01.69X06.47	Well	
200	352419109165801	17 125-01.85X06.55	Well	
201	352450109170001	17 125-01.87X05.93	Well	
202	350641109170401	(A-20-29)20c unsurv	Well	
203	352432109170801	17 125-02.00X06.30	Well	
204	352433109172401	17 125-02.26X06.25	Well	
205	351503109175101	18 125-02.70X17.20	Well	
206	351638109180801	(A-22-29)30acd	Well	Dixon sample NL-27; livestock windmill
207	351420109181401	(A-21-29)07abb	Well	
208	351843109182401	18 125-03.22X12.99	Well	
209	350544109184301	(A-20-28)36aaa1	Well	

Table 5.--Ground-water sites--Continued

Map integer (See plate 2)	Unique site identification	Local well number	Type of site	Remarks
210	351638109190901	(A-22-30)27bdd	Well	Dixon sample NL-29; livestock windmill
211	351425109192001	18 138-04.10X00.65	Well	
212	351259109192601	(A-21-28)13caa	Well	Puerco Unified School District No. 18, Well No. 1
213	351241109193101	(A-21-28)13cdc	Well	
214	351254109194501	(A-21-28)13cbc	Well	Sanders School well
215	351147109194901	(A-21-28)24ccc	Well	
216	351230109194901	(A-21-28)24bbc	Well	Dixon sample NL-31; well faucet
217	351229109195101	(A-21-28)24bbc	Well	
218	351302109195901	(A-21-28)14daa1	Well	
219	350824109200001	(A-20-28)14aab	Well	
220	351258109200101	(A-21-28)14dad	Well	
221	351228109200501	(A-21-28)24bbc	Well	Dixon sample NL-39; well
222	350129109200801	(A-19-28)23dcd	Well	
223	351253109201401	(A-21-28 14DCA	Well	
224	351224109202401	(A-21-28)23aac	Well	
225	351228109202401	(A-21-28)23aac	Well	Dixon sample NL-32; well faucet
226	352252109210401	17 125-05.72X08.22	Well	
227	351935109211101	17 125-05.83X11.97	Well	
228	351230109211801	(A-21-28)22acb	Well	Dixon sample ISO-08
229	345650109212001	(A-18-28)22abc	Well	
230	351536109214801	18 125-06.45X16.59	Well	
231	351400109220001	18-138-06.60X01.20	Well	Indian Ruins well
232	350412109220801	(A-19-28)04dda	Well	Dixon sample NL-10; livestock windmill
233	351153109223501	(A-21-28)28abc	Well	Dixon sample NL-36; livestock windmill
234	351212109224201	(A-21-28)21cad	Well	
235	350527109224501	(A-20-28)33ada	Well	Dixon sample NL-12; livestock windmill
236	352124109231901	(A-23-31)33aab	Well	Dixon sample NL-24; well faucet
237	351204109232503	(A-21-28)20dca	Well	
238	350516109234201	(A-20-28)32cba	Spring	Dixon sample NL-09; wooden well
239	351152109241601	(A-21-28)30aaa2	Well	
240	351157109241701	(A-21-28)30aaa1	Well	
241	351827109243101	17 125-08.96X13.28	Well	
242	350657109244101	(A-20-28)19cac	Well	
243	351200109251201	(A-21-28)19ccc	Well	
244	344950109253001	(A-17-28)31bbc	Well	
245	350717109253301	(A-20-27)24bda1	Well	
246	351119109255301	(A-21-27)25cad	Well	
247	350547109260101	(A-20-27)36bbb	Well	
248	351149109260801	(A-21-27)25bbd1	Well	
249	351149109260802	(A-21-27)25bbd2	Well	
250	351118109261001	(A-21-27)25cca	Well	
251	351119109263901	(A-21-27)26dbd	Well	
252	351047109265001	(A-21-27)35acb1	Well	
253	351044109270501	(A-21-27)35bcd01	Well	Drive point CDP01
254	351044109270502	(A-21-27)35bcd02	Well	Drive point CDP02
255	350625109270601	(A-20-27)26bcb	Spring	
256	351045109270601	(A-21-27)35dcb1	Well	
257	350622109270901	(A-20-27)26bcb	Spring	Dixon sample NL-08; seeps to pond
258	350740109274501	(A-20-27)15cdd	Spring	Dixon sample NL-13; old pump on site
259	345130109283001	(A-17-27)21cba	Well	
260	350842109284301	(A-20-27)09cad	Well	
261	350959109290501	(A-20-27)04bca	Well	
262	351000109291501	(A-20-27)04bca	Well	Dixon sample NL-18
263	350925109292501	(A-20-27)05ddc	Well	Dixon sample NL-19; old windmill
264	350605109293801	(A-20-27)29dbd	Spring	
265	350600109294501	(A-20-27)28cac	Spring	Dixon sample NL-07; wood-steel well
266	345610109301001	(A-18-28)30bbc	Well	
267	345700109302001	(A-18-27)18cbb	Well	
268	345450109312001	(A-18-26)36aad	Well	

Table 5.--Ground-water sites--Continued

Map integer (See plate 2)	Unique site identification	Local well number	Type of site	Remarks
269	345930109312001	(A-18-27)06bca	Well	
270	350747109313101	(A-20-26)13dac	Well	
271	350638109320501	(A-20-26)25bab	Well	Dixon sample NL-06; domestic windmill
272	345300109333001	(A-17-26)13ccd	Well	
273	350500109341901	(A-20-26)34cdc	Well	
274	350425109344101	(A-19-26)04dba	Well	
275	350649109350301	(A-20-26)21dcb	Well	
276	350527109361401	(A-20-26)32bdd	Well	Dixon sample NL-04; livestock windmill
277	350527109361501	(A-20-26)32bdd	Well	
278	350456109375101	(A-19-25)01aab	Well	
279	350451109383401	(A-19-25)01bba1	Well	
280	350338109384801	(A-19-25)11daa1	Well	
281	351313109385401	17 139-08.38X02.07	Well	
282	350804109404001	(A-20-25)15bcd	Well	
283	344739109412501	(A-16-25)15bac	Well	
284	350638109413101	(A-20-25)28baa	Well	
285	350233109415001	(A-19-25)16cca	Well	
286	350444109423101	(A-19-25)05abb	Well	
287	350501109423201	(A-20-25)32dcc3	Well	
288	350040109430701	(A-19-26)32bbb	Well	Dixon sample NL-03; livestock windmill
289	350652109433201	(A-20-26)28bab	Well	Dixon sample NL-05; well faucet
290	344643109433801	(A-16-25)20bbc	Well	
291	350111109434401	(A-19-25)30bdd	Well	
292	344827109441001	(A-16-24)33cdd	Well	
293	345831109474701	(A-18-24)09dbb	Well	Petrified Forest National Park-Puerco Well No. 1
294	345850109475001	(A-18-24)09abb	Well	
295	345839109475801	(A-18-24)09bda	Well	Petrified Forest National Park-Puerco Well No. 2
296	345841109481701	(A-18-24)08bcb	Well	
297	345757109482001	(A-18-24)16bbb1	Well	
298	345855109482701	(A-18-24)08aaa	Well	
299	350434109492101	(A-19-24)05cbb	Well	
300	350205109492701	(A-19-24)20bcc	Well	
300	345823109513501	(A-18-23)12cbc1	Well	
302	345817109525001	(A-18-23)10dda	Well	
303	344723109533901	(A-16-23)15bad	Well	
304	350009109540901	(A-19-23)33dba	Well	
305	350143109561901	(A-19-23)19dcb	Well	
306	344720109585001	(A-16-22)14adb	Well	
307	345801110002501	(A-18-22)16aab2	Well	
308	345758110002701	(A-18-22)16aab1	Well	
309	345807110003401	(A-18-22)09dcd	Well	Sun Valley Utilities Inc., Well No. 1
310	345212110012901	(A-17-22)17dbd	Well	
311	344644110023301	(A-16-22)17cdc	Well	
312	344644110024201	(A-16-22)17ccd	Well	
313	344643110024301	(A-16-22)17ccd	Well	Woodruff Domestic Water Improvement District Well No. 1
314	345236110064901	(A-17-21)16adb	Well	
315	345411110080801	(A-17-21)05acc	Well	City of Holbrook, Well No. 4
316	345302110110501	(A-17-20)11dac	Well	
317	345303110120501	(A-17-20)10dac	Well	
318	345447110124901	(A-17-20)03bbc	Well	
319	345424110125101	(A-17-20)03bbc	Well	
320	345308110125201	(A-17-20)10caa1	Well	
321	345308110125301	(A-17-20)10caa3	Well	
322	345447110132801	(A-18-20)33dbc	Well	
323	345314110133901	(A-17-20)09bdc	Well	

Table 6.--Water-quality data for mine discharges, Kerr-McGee Church Rock I Mine, 1979-85

[Values are in the following units: $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25° Celsius; mg/L, milligrams per liter; $\mu\text{g}/\text{L}$, micrograms per liter; pCi/L, picocuries per liter; dashes indicate no data]

Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (Standard units)	Calcium, total (mg/L as Ca)	Magnesium, total (mg/L as Mg)	Sodium, total (mg/L as Na)	Potassium, total (mg/L as K)	Sulfate, total (mg/L as SO_4)	Chloride, total (mg/L as Cl)	Bicarbonate, total (mg/L as HCO_3)
Untreated water									
11-01-79 ¹	---	----	----	----	-----	-----	-----	-----	-----
11-13-80	---	----	----	----	-----	-----	-----	-----	-----
11-17-80 ²	---	----	----	----	-----	-----	-----	-----	-----
10-06-81 ³	---	----	----	----	-----	-----	-----	-----	-----
11-02-82 ²	---	----	----	----	-----	-----	-----	-----	-----
Treated water									
03-04-75 ^{2 4}	---	----	----	----	-----	-----	-----	-----	-----
03-05-75 ^{2 4}	---	----	----	----	-----	-----	-----	-----	-----
03-06-75 ^{2 4}	---	----	----	----	-----	-----	-----	-----	-----
10-24-77 ¹	589	8.59	----	----	121.9	-----	60.6	9.3	-----
11-13-78 ¹	776	----	15.2	----	133.4	9.75	126.8	26.3	220.1
11-01-79 ¹	681	8.58	16.8	7.7	121.9	1.17	120.5	12.0	240.7
11-17-80 ²	---	----	----	----	-----	-----	-----	-----	-----
07-14, 15-81 ^{2 4}	---	8.7	----	----	-----	-----	-----	-----	-----
10-06-81 ³	---	----	----	----	-----	-----	-----	-----	-----
11-02-82 ²	---	----	----	----	-----	-----	-----	-----	-----
11-30, 12-1-82 ^{5 1}	---	8.76	----	----	-----	-----	-----	-----	-----
10-07-85 ⁶	---	----	----	----	-----	-----	183	-----	-----
Date	Total solids dissolved (mg/L)	Nitrate+nitrite, total (mg/L as NO_2+NO_3)	Ammonia, total (mg/L as NH_3)	Nitrogen ammonia, total (mg/L as NH_3)	Nitrogen nitrate, total (mg/L as NO_3)	Aluminum, total ($\mu\text{g}/\text{L}$ as AL)	Arsenic, total ($\mu\text{g}/\text{L}$ as As)	Barium, total ($\mu\text{g}/\text{L}$ as Ba)	
Untreated water									
11-01-79	---	----	-----	----	----	-----	-----	-----	
11-13-80	---	----	-----	47.6	1.9	-----	-----	-----	
11-17-80	---	----	-----	----	----	-----	-----	-----	
10-06-81	---	----	-----	----	----	-----	-----	-----	
11-02-82	---	----	-----	----	----	-----	-----	-----	
Treated water									
03-04-75 ⁴	---	----	-----	----	----	-----	-----	-----	
03-05-75 ⁴	---	----	-----	----	----	-----	-----	-----	
03-06-75 ⁴	---	----	-----	----	----	-----	-----	-----	
10-24-77	363	----	0.024	----	----	-----	<5	2,130	
11-13-78	412	0.34	.07	----	----	-----	79	7280	
11-01-79	391	.17	.05	----	----	250	22	435	
11-17-80	---	----	-----	----	----	-----	-----	-----	
07-14, 15-81 ⁴	---	----	-----	----	----	-----	-----	-----	
10-06-81	---	----	-----	----	----	-----	-----	-----	
11-02-82	---	----	-----	----	----	-----	-----	-----	
11-30, 12-1-82 ⁴	---	----	-----	----	----	-----	-----	-----	
10-07-85	510	----	-----	----	----	-----	2.80	140	

See footnotes at end of table.

Table 6.--Water-quality data for mine discharges, Kerr-McGee Church Rock I Mine, 1979-85--Continued

Date	Cadmium, total (µg/L as Cd)	Chromium, total (µg/L as Cr)	Lead, total (µg/L as Pb)	Mercury, total (µg/L as Hg)	Molybdenum, total (µg/L as Mo)	Nickel, total (µg/L as Ni)	Selenium, total (µg/L as Se)	Silver, total (µg/L as Ag)	Uranium, total (µg/L as U)
Untreated water									
11-01-79	-----	---	-----	-----	---	---	-----	---	-----
11-13-80	-----	---	-----	-----	---	320	-----	---	-----
11-17-80	-----	---	-----	-----	---	---	-----	---	-----
10-06-81	-----	---	-----	-----	---	---	-----	---	-----
11-02-82	-----	---	-----	-----	---	---	-----	---	-----
Treated water									
03-04-75 ⁴	-----	---	-----	-----	200	---	10	---	970
03-05-75 ⁴	-----	---	-----	-----	200	---	10	---	740
03-06-75 ⁴	-----	---	-----	-----	200	---	10	---	720
10-24-77	-----	---	-----	-----	<10	---	30	---	1,000
11-13-78	⁷ 1.5	---	⁷ 5	-----	463	---	21	---	165
11-01-79	1	---	5	-----	612	---	40	---	1,140
11-17-80	-----	---	-----	-----	---	---	-----	---	-----
07-14, 15-81 ⁴	-----	---	-----	-----	495	---	45	---	1,180
10-06-81	-----	---	-----	-----	---	---	-----	---	-----
11-02-82	-----	---	-----	-----	---	---	-----	---	-----
11-30, 12-1-82 ⁴	-----	---	-----	-----	470	---	27.0	---	1,400
10-07-85	.10	1.0	<1.0	<0.20	---	---	37.6	<20	-----
Date	Vanadium, total (µg/L as V)	Zinc, total (µg/L as Zn)	Gross alpha, total (pCi/L)	Gross beta, total (pCi/L)	Lead-210, total (pCi/L as Pb-210)	Polonium-210, total (pCi/L as Po-210)	Radium-226, dissolved (pCi/L as Ra-226)		
Untreated water									
11-01-79	---	---	1,100±100	-----	-----	-----	-----		
11-13-80	---	---	660±60	-----	-----	-----	-----		
11-17-80	---	---	-----	1,770±200	-----	-----	-----		
10-06-81	---	---	460±30	-----	44±4	45±1	-----		
11-02-82	---	---	-----	716±116	-----	-----	-----		
Treated water									
03-04-75 ⁴	700	---	-----	-----	-----	-----	8.1		
03-05-75 ⁴	800	---	-----	-----	-----	-----	6.8		
03-06-75 ⁴	900	---	-----	-----	-----	-----	8.7		
10-24-77	---	---	-----	-----	-----	-----	-----		
11-13-78	⁷ 10	⁷ 5	400±40	-----	-----	-----	-----		
11-01-79	10	250	1,200±100	-----	-----	-----	-----		
11-17-80	---	---	-----	663±125	-----	-----	-----		
07-14, 15-81 ⁴	10	---	-----	-----	-----	-----	.55±.03		
10-06-81	---	---	400±30	578±74	4.5±2.3	3.4±.4	-----		
11-02-82	---	---	-----	-----	-----	-----	-----		
11-30, 12-1-82 ⁴	12	---	-----	-----	-----	-----	.32±.04		
10-07-85	---	---	847	318	-----	-----	-----		

See footnotes at end of table.

Table 6.--Water-quality data for mine discharges, Kerr-McGee Church Rock I Mine, 1979-85--Continued

Date	Radium-226, total (pCi/L as Ra-226)	Radium-228, total (pCi/L as Ra-228)	Thorium- 228, total (pCi/L as Th-228)	Thorium- 230, total (pCi/L as Th-230)	Thorium- 232, total (pCi/L as Th-232)	Total suspended sediment, (mg/L)
Untreated water						
11-01-79	250±80	-----	-----	-----	-----	----
11-13-80	9.8±.6	-----	-----	-----	-----	----
11-17-80	-----	-----	-----	-----	-----	----
10-06-81	41±12	-----	0.0±.1	0.2±0.1	0.0±0.1	----
11-02-82	-----	-----	-----	-----	-----	----
Treated water						
03-04-75 ⁴	-----	-----	-----	-----	-----	38
03-05-75 ⁴	-----	-----	-----	-----	-----	45
03-06-75 ⁴	-----	-----	-----	-----	-----	58
10-24-77	89±5	0±2	-----	-----	-----	25.4
11-13-78	2±.2	-----	-----	-----	-----	<1.0
11-01-79	1.3±.4	-----	-----	-----	-----	2.0
11-17-80	-----	-----	-----	-----	-----	----
07-14, 15-81 ⁴	-----	-----	-----	-----	-----	2.0
10-06-81	.67±.2	-----	.1±.1	3.9±.5	.1±.1	----
11-02-82	-----	-----	-----	-----	-----	----
11-30, 12-1-82 ⁴	-----	-----	-----	-----	-----	3
10-07-85	.67±.22	<.50	-----	-----	-----	----

¹Data from New Mexico Health and Environment Department, Environmental Improvement Division, Water Pollution Control Board.

²Data from United Nuclear Corporation.

³Data from Bruce Gallaher (New Mexico Health and Environment Department, written commun., 1982).

⁴24-hour composite sample.

⁵Data from U.S. Environmental Protection Agency.

⁶Data from U.S. Bureau of Indian Affairs Resources and Engineering Laboratory.

⁷Sample was not acidified.

Table 7.--Monthly average, minimum, and maximum values for treated mine discharge,
Kerr-McGee Church Rock I Mine, 1980-84

[Values are in the following units: °F, degrees Fahrenheit; MGD, million gallons per day; mg/L, milligrams per liter; µg/L, micrograms per liter; pCi/L, picocuries per liter; dashes indicate no data]

Month		Temperature (°F)	Discharge (MGD)	pH (Standard units)	Total suspended sediment, (mg/L)	Molybdenum, total (µg/L as Mo)	Selenium, total (µg/L as Se)	Uranium, total (µg/L as U)	Vanadium, total (µg/L as V)	Radium-226, dissolved (pCi/L as Ra-226)
1980										
January	Average	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	-----	-----
February	Average	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	-----	-----
March	Average	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	-----	-----
April	Average	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	-----	-----
May	Average	-----	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.5	-----	-----	-----	-----	-----	-----
	Maximum	-----	5.5	8.8	<2	-----	-----	1,400	-----	1.5
June	Average	-----	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.7	-----	-----	-----	-----	-----	-----
	Maximum	-----	5.5	8.8	<2	-----	-----	1,300	-----	1.2
July	Average	-----	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.6	-----	-----	-----	-----	-----	-----
	Maximum	-----	5.5	9.0	<2	460	38	1,300	12	2.4
August	Average	-----	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.5	-----	-----	-----	-----	-----	-----
	Maximum	-----	5.5	8.7	<2	420	38	1,200	17	1.4
September	Average	-----	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.5	-----	-----	-----	-----	-----	-----
	Maximum	-----	5.5	8.7	<2	450	25	1,200	13	1.8
October	Average	-----	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.6	-----	-----	-----	-----	-----	-----
	Maximum	-----	5.5	8.8	<2	440	25	1,000	20	1.7
November	Average	60	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.6	-----	-----	-----	-----	-----	-----
	Maximum	62	5.5	8.7	<2	430	35	1,600	31	1.6
December	Average	58.9	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.6	-----	-----	-----	-----	-----	-----
	Maximum	61	5.5	8.7	<2	440	34	1,100	28	1.3
Standard deviation (σ)	Average	.778	0	-----	0	-----	-----	-----	-----	-----
	Minimum	-----	-----	.071	-----	-----	-----	-----	-----	-----
	Maximum	.707	0	.104	0	14	6	185	8	.376
Mean	Average	59.5	5.5	-----	<2	-----	-----	-----	-----	-----
	Minimum	-----	-----	8.58	-----	-----	-----	-----	-----	-----
	Maximum	61.5	5.5	8.78	<2	440	33	1,260	20	1.61

Table 7.--Monthly average, minimum, and maximum values for treated mine discharge,
Kerr-McGee Church Rock I Mine, 1980-84--Continued

Month		Temperature (°F)	Discharge (MGD)	pH (Standard units)	Total suspended sediment, (mg/L)	Molybdenum, total (µg/L as Mo)	Selenium, total (µg/L as Se)	Uranium, total (µg/L as U)	Vanadium, total (µg/L as V)	Radium-226, dissolved (pCi/L as Ra-226)
1981										
January	Average	36.0	5.5	-----	<2.0	-----	----	-----	---	-----
	Minimum	-----	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	59.0	5.5	8.7	<2.0	450	38	1,300	26	0.94
February	Average	56.0	5.5	-----	<2.0	-----	----	-----	---	-----
	Minimum	-----	-----	8.6	-----	-----	----	-----	---	-----
	Maximum	60.0	5.5	8.8	<2.0	460	56	1,350	16	3.2
March	Average	57.6	5.5	-----	<2.0	-----	----	-----	---	-----
	Minimum	-----	-----	8.6	-----	-----	----	-----	---	-----
	Maximum	60.0	5.5	8.8	<2.0	440	33	1,600	9	.6
April	Average	61.0	3.5	-----	<2.0	-----	----	-----	---	-----
	Minimum	-----	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	68.0	3.5	8.8	<2.0	480	49	1,400	6	1.0
May	Average	63.25	3.5	-----	<2.0	-----	----	-----	---	-----
	Minimum	-----	-----	8.6	-----	-----	----	-----	---	-----
	Maximum	66.0	3.5	8.9	3.1	490	61	1,400	12	2.85
June	Average	61.25	3.4	-----	<2.0	-----	----	-----	---	-----
	Minimum	-----	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	68.0	3.4	8.9	3.1	490	61	1,300	9	.93
July	Average	74.0	3.72	-----	<2.0	450	40	-----	8	-----
	Minimum	-----	-----	8.7	-----	-----	----	-----	---	-----
	Maximum	78.0	3.95	8.8	<2.0	470	48	1,400	9	1.48
August	Average	72.0	3.78	-----	<2.0	560	47	-----	9	.44
	Minimum	-----	-----	8.4	-----	-----	----	-----	---	-----
	Maximum	75.0	4.54	8.8	<2.0	850	54	1,400	19	.86
September	Average	69.0	3.67	-----	<2.0	910	25	-----	16	-----
	Minimum	-----	-----	8.7	-----	-----	----	-----	---	-----
	Maximum	72.0	4.42	8.9	<2.0	1,000	28	1,200	20	.51
October	Average	63.0	3.20	-----	<2.0	480	68	1,180	50	1.04
	Minimum	58.0	-----	8.25	-----	-----	----	-----	---	-----
	Maximum	67.0	3.56	8.82	<2.0	480	91	1,300	55	2.2
November	Average	57.9	3.48	-----	2.2	480	52	1,100	15	.42
	Minimum	52.0	-----	8.7	-----	-----	----	-----	---	-----
	Maximum	62.0	3.77	8.8	3.0	490	91	1,300	50	.51
December	Average	54.0	3.38	-----	<2.0	450	48	1,100	6	.62
	Minimum	49.0	-----	8.6	-----	-----	----	-----	---	-----
	Maximum	59.0	3.90	8.8	<2.0	480	59	1,300	12	1.08
Standard deviation (σ)	Average	-----	0.911	-----	0.058	179	14	46	16	0.288
	Minimum	-----	-----	0.134	-----	-----	----	-----	---	-----
	Maximum	-----	.829	.052	0.410	180	20	99	16	.913
Mean	Average	-----	4.01	-----	2.02	560	47	1,130	17	.63
	Minimum	-----	-----	8.55	-----	-----	----	-----	---	-----
	Maximum	-----	4.25	8.81	2.18	550	56	1,350	20	1.35

Table 7.--Monthly average, minimum, and maximum values for treated mine discharge,
Kerr-McGee Church Rock I Mine, 1980-84--Continued

Month		Temperature (°F)	Discharge (MGD)	pH (Standard units)	Total suspended sediment, (mg/L)	Molybdenum, total (µg/L as Mo)	Selenium, total (µg/L as Se)	Uranium, total (µg/L as U)	Vanadium, total (µg/L as V)	Radium-226, dissolved (pCi/L as Ra-226)
1982										
January	Average	50.9	3.46	-----	<2.0	460	45	1,500	17	0.39
	Minimum	46.0	-----	8.3	-----	-----	-----	-----	---	-----
	Maximum	54.0	3.81	8.6	<2.0	480	51	1,700	41	.64
February	Average	54.8	3.56	-----	<2.0	470	46	1,400	12	.24
	Minimum	50.0	-----	8.6	-----	-----	-----	-----	---	-----
	Maximum	60.0	3.85	8.8	<2.0	480	53	1,600	23	.35
March	Average	56.1	3.59	-----	<2.0	460	42	1,400	14	.29
	Minimum	51.0	-----	8.6	-----	-----	-----	-----	---	-----
	Maximum	62.0	3.86	8.9	<2.0	480	51	1,500	46	.32
April	Average	59.3	3.71	-----	<2.0	440	29	1,400	30	.30
	Minimum	54.0	-----	8.8	-----	-----	-----	-----	---	-----
	Maximum	66.0	4.06	9.03	<2.0	450	39	1,500	33	.51
May	Average	63.8	3.71	-----	<2.0	470	61	1,400	48	.52
	Minimum	59.0	-----	8.7	-----	-----	-----	-----	---	-----
	Maximum	68.0	3.96	8.9	<2.0	470	65	1,500	94	.77
June	Average	67.8	3.59	-----	<2.0	450	37	1,500	27	2.25
	Minimum	64.0	-----	8.7	-----	-----	-----	-----	---	-----
	Maximum	72.0	3.82	8.9	<2.0	460	38	2,000	28	8.0
July	Average	72.3	3.45	-----	<2.0	500	40	2,000	30	.69
	Minimum	67.0	-----	8.5	-----	-----	-----	-----	---	-----
	Maximum	75.0	3.69	8.9	<2.0	510	48	2,700	80	.90
August	Average	74.0	3.43	-----	<2.0	440	30	1,750	20	1.23
	Minimum	72.0	-----	8.3	-----	-----	-----	-----	---	-----
	Maximum	76.0	3.80	8.8	<2.0	500	37	2,100	45	1.89
September	Average	68.0	3.46	-----	<2.0	400	26	1,980	9	.46
	Minimum	61.0	-----	8.1	-----	-----	-----	-----	---	-----
	Maximum	73.0	3.72	8.9	<2.0	560	33	2,100	17	.57
October	Average	62.0	3.36	-----	<2.0	-----	-----	-----	---	.00
	Minimum	59.0	-----	8.2	-----	-----	-----	-----	---	-----
	Maximum	64.0	3.80	8.9	<2.0	600	42	2,600	29	.45
November	Average	58.0	3.42	-----	<2.0	-----	-----	-----	---	.00
	Minimum	55.0	-----	8.5	-----	-----	-----	-----	---	-----
	Maximum	59.0	3.79	8.8	<2.0	470	68	2,100	17	.59
December	Average	57.0	3.27	-----	<2.0	490	-----	-----	---	.00
	Minimum	50.0	-----	8.6	-----	-----	-----	-----	---	-----
	Maximum	59.0	3.50	9.0	<2.0	510	70	1,500	29	.40
Standard deviation (σ)	Average	7.27	0.134	-----	0	28	11	250	12	.66
	Minimum	7.77	-----	0.219	-----	-----	-----	-----	---	-----
	Maximum	17.37	0.138	.111	0	44	18	430	24	2.16
Mean	Average	62.0	3.50	-----	<2.0	460	40	1,590	23	.70
	Minimum	57.3	-----	8.5	-----	-----	-----	-----	---	-----
	Maximum	61.67	3.81	8.9	<2.0	500	46	1,910	40	1.28

Table 7.--Monthly average, minimum, and maximum values for treated mine discharge,
Kerr-McGee Church Rock I Mine, 1980-84--Continued

Month		Tem- pera- ture (°F)	Discharge (MGD)	pH (Stand- ard units)	Total suspended sediment, (mg/L)	Molyb- denum, total (µg/L as Mo)	Sele- nium, total (µg/L as Se)	Uranium, total (µg/L as U)	Vana- dium, total (µg/L as V)	Radium-226, dissolved (pCi/L as Ra-226)
1983										
January	Average	58.0	3.33	-----	<2.0	-----	----	-----	---	-----
	Minimum	55.0	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	60.0	3.69	8.9	<2.0	510	82	1,600	<4	.05
February	Average	59.0	3.45	-----	<1.0	-----	----	-----	---	-----
	Minimum	57.0	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	63.0	3.70	8.9	<1.0	510	27	1,300	14	.00
March	Average	60.0	3.40	-----	<1.0	-----	----	-----	---	-----
	Minimum	56.0	-----	8.6	-----	-----	----	-----	---	-----
	Maximum	64.0	3.60	8.8	<1.0	480	29	1,100	14	.03
April	Average	61.0	3.42	-----	<2.0	-----	----	-----	---	-----
	Minimum	55.0	-----	8.7	-----	-----	----	-----	---	-----
	Maximum	66.0	4.97	8.8	<2.0	460	28	1,000	<40	.08
May	Average	66.0	3.34	-----	<2.0	-----	----	-----	---	-----
	Minimum	60.0	-----	8.7	-----	-----	----	-----	---	-----
	Maximum	72.0	3.52	8.8	<2.0	550	32	1,200	<40	.06
June	Average	71.0	3.23	-----	<2.0	-----	----	-----	---	-----
	Minimum	66.0	-----	8.6	-----	-----	----	-----	---	-----
	Maximum	74.0	3.45	8.8	<2.0	560	43	1,500	<40	.22
July	Average	76.0	3.35	-----	<2.0	-----	----	-----	---	-----
	Minimum	75.0	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	77.0	3.80	8.8	<2.0	650	97	1,200	40	.35
August	Average	77.0	3.44	-----	<2.0	-----	----	-----	---	-----
	Minimum	75.0	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	78.0	3.67	8.8	<2.0	560	12	1,300	22	.80
September	Average	73.0	3.80	-----	<2.0	-----	----	-----	---	-----
	Minimum	65.0	-----	8.3	-----	-----	----	-----	---	-----
	Maximum	76.0	4.00	8.7	<2.0	510	10	1,400	5	.53
October	Average	67.0	3.51	-----	<2.0	-----	----	-----	---	-----
	Minimum	66.0	-----	8.4	-----	-----	----	-----	---	-----
	Maximum	70.0	3.74	8.8	<2.0	540	75	1,500	8	.035
November	Average	61.0	3.52	-----	<2.0	-----	----	1,450	---	.132
	Minimum	52.0	-----	8.4	-----	-----	----	-----	---	-----
	Maximum	68.0	3.88	8.7	<2.0	580	63	1,600	30	.27
December	Average	57.0	3.46	-----	<2.0	-----	----	1,670	---	.08
	Minimum	52.0	-----	8.4	-----	-----	----	-----	---	-----
	Maximum	60.0	3.62	8.7	<2.0	600	76	1,820	36	.11
Standard deviation (σ)	Average	7.217	0.141	-----	-----	-----	----	156	---	0.037
	Minimum	8.167	-----	0.124	-----	-----	----	-----	---	-----
	Maximum	6.481	0.397	0.067	-----	55	32	237	15	.410
Mean	Average	65.5	3.44	-----	<2.0	-----	----	1,560	---	0.106
	Minimum	61.2	-----	8.5	-----	-----	----	-----	---	-----
	Maximum	69.0	3.80	8.8	<2.0	540	64	1,380	24	.295

Table 7.--Monthly average, minimum, and maximum values for treated mine discharge,
Kerr-McGee Church Rock I Mine, 1980-84--Continued

Month		Tem- pera- ture (°F)	Discharge (MGD)	pH (Stand- ard units)	Total suspended sediment, (mg/L)	Molyb- denum, total (µg/L as Mo)	Sele- nium, total (µg/L as Se)	Uranium, total (µg/L as U)	Vana- dium, total (µg/L as V)	Radium-226, dissolved (pCi/L as Ra-226)
1984										
January	Average	59.0	3.44	-----	-----	-----	-----	1,030	---	0.12
	Minimum	56.0	-----	8.4	-----	-----	-----	-----	---	-----
	Maximum	62.0	3.73	8.6	-----	570	73	1,320	320	.14
February	Average	60.0	3.34	-----	-----	-----	-----	1,690	---	.13
	Minimum	56.0	-----	8.4	-----	-----	-----	-----	---	-----
	Maximum	63.0	3.67	8.7	-----	480	74	1,940	410	.18
March	Average	62.0	3.49	-----	-----	-----	-----	1,770	---	.17
	Minimum	59.0	-----	8.3	-----	-----	-----	-----	---	-----
	Maximum	64.0	3.91	8.6	-----	<587	<101	1,930	<27	.28
April	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
May	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
June	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
July	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
August	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
September	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
October	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
November	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
December	Average	-----	-----	-----	-----	-----	-----	-----	---	-----
	Minimum	-----	-----	-----	-----	-----	-----	-----	---	-----
	Maximum	-----	-----	-----	-----	-----	-----	-----	---	-----
Standard deviation (σ)	Average	1.528	0.076	-----	-----	-----	-----	406	---	0.026
	Minimum	1.732	-----	.058	-----	-----	-----	-----	---	-----
	Maximum	1.000	.125	.058	-----	58	16	355	200	.072
Mean	Average	60.0	3.42	-----	-----	-----	-----	1,500	---	.14
	Minimum	57.0	-----	8.4	-----	-----	-----	-----	---	-----
	Maximum	63.0	3.77	8.6	-----	550	83	1,730	252	.20

Table 8.--Water-quality data for mine discharges, United Nuclear Corporation Old Church Rock Mine, 1980-82

[Values are in the following units: $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25° Celsius; mg/L, milligrams per liter; $\mu\text{g}/\text{L}$, micrograms per liter; pCi/L, picocuries per liter; dashes indicate no data]

Date	pH (Standard units)	Molyb- denum, total ($\mu\text{g}/\text{L}$ as Mo)	Sele- nium, total ($\mu\text{g}/\text{L}$ as Se)	Uranium, total ($\mu\text{g}/\text{L}$ as U)	Vana- dium, total ($\mu\text{g}/\text{L}$ as V)
Untreated water					
11-17-80 ¹	----	---	--	-----	--
11-02-82 ¹	----	---	--	-----	--
Treated water					
11-17-80 ¹	----	---	--	-----	--
07-20, 21-82 ^{2 3}	9.03	110	15	1,160	28
11-02-82 ¹	----	---	--	-----	--
Date	Zinc, total ($\mu\text{g}/\text{L}$ as Zn)	Gross beta, total (pCi/L)	Radium-226, dissolved (pCi/L as Ra-226)	Radium-226, total (pCi/L as Ra-226)	Total sus- pended sediment (mg/L)
Untreated water					
11-17-80	---	4,008±879	-----	-----	---
11-02-82	---	530±100	-----	-----	---
Treated water					
11-17-80	---	646±64	-----	-----	---
07-20, 21-82 ²	<50	-----	5.37±.12	5.49±.11	4.8
11-02-82	---	322±30	-----	-----	---

¹Data from United Nuclear Corporation

²24-hour composite sample.

³Data from U.S. Environmental Protection Agency.

Table 9.--Water-quality data for mine discharges, United Nuclear Corporation
Northeast Church Rock Mine, 1975-82

[Values are in the following units: $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25° Celsius; mg/L, milligrams per liter; $\mu\text{g}/\text{L}$, micrograms per liter; pCi/L, picocuries per liter; dashes indicate no data]

Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (Standard units)	Calcium, total (mg/L as Ca)	Sodium, total (mg/L as Na)	Potassium, total (mg/L as K)	Sulfate, total (mg/L as SO_4)	Chloride, total (mg/L as Cl)	Bicarbonate, total (mg/L as HCO_3)	Total solids dissolved (mg/L)	
Untreated water										
11-13-80	---	----	----	-----	-----	-----	-----	-----	---	
11-17-80 ¹	---	----	----	-----	-----	-----	-----	-----	---	
10-06-81 ²	---	----	----	-----	-----	-----	-----	-----	---	
11-02-82 ¹	---	----	----	-----	-----	-----	-----	-----	---	
Treated water										
03-04-75 ^{1 3}	---	----	----	-----	-----	-----	-----	-----	---	
03-05-75 ^{1 3}	---	----	----	-----	-----	-----	-----	-----	---	
03-06-75 ^{1 3}	---	----	----	-----	-----	-----	-----	-----	---	
10-24-77 ⁴	681	8.82	----	144.9	-----	67.2	24.2	-----	383	
11-13-78 ⁴	623	----	8.0	149.5	1.56	107.6	25.4	229.6	419	
08-29-79 ¹	---	----	----	-----	-----	-----	-----	-----	---	
11-01-79 ⁴	923	7.66	27.6	144.9	1.56	361.5	20.4	32.6	587	
03-05-80 ⁴	725	----	13.4	147.2	1.56	126.1	26.2	256	453	
11-17-80 ¹	---	----	----	-----	-----	-----	-----	-----	---	
10-06-81 ³	---	----	----	-----	-----	-----	-----	-----	---	
11-02-82 ¹	---	----	----	-----	-----	-----	-----	-----	---	
07-20,21-82 ^{3 5}	---	8.16	----	-----	-----	-----	-----	-----	---	
Date	Nitrate+ nitrite, total (mg/L as NO_2+NO_3)	Ammonia, total (mg/L as NH_3)	Aluminum, total ($\mu\text{g}/\text{L}$ as Al)	Antimony, total ($\mu\text{g}/\text{L}$ as Sb)	Arsenic, total ($\mu\text{g}/\text{L}$ as As)	Barium, total ($\mu\text{g}/\text{L}$ as Ba)	Beryllium, total ($\mu\text{g}/\text{L}$ as Be)	Cadmium, total ($\mu\text{g}/\text{L}$ as Cd)	Chromium, total ($\mu\text{g}/\text{L}$ as Cr)	Copper, total ($\mu\text{g}/\text{L}$ as Cu)
Untreated water										
11-13-80	----	-----	----	---	---	-----	---	---	---	---
11-17-80	----	-----	----	---	---	-----	---	---	---	---
10-06-81	----	-----	----	---	---	-----	---	---	---	---
11-02-82	----	-----	----	---	---	-----	---	---	---	---
Treated water										
03-04-75 ³	----	-----	----	---	---	-----	---	---	---	---
03-05-75 ³	----	-----	----	---	---	-----	---	---	---	---
03-06-75 ³	----	-----	----	---	---	-----	---	---	---	---
10-24-77	----	0.036	----	---	<5	880	---	---	---	---
11-13-78	0.46	.19	----	---	<5	381	---	<1	---	---
08-29-79	----	-----	----	<20	<20	-----	<20	<20	<20	<20
11-01-79	0.34	1.25	<250	---	<5	707	---	<1	---	---
03-05-80	----	-----	----	---	<5	311	---	<1	---	---
11-17-80	----	-----	----	---	---	-----	---	---	---	---
10-06-81	----	-----	----	---	---	-----	---	---	---	---
11-02-82	----	-----	----	---	---	-----	---	---	---	---
07-20,21-82 ³	----	-----	----	---	---	-----	---	---	---	---

See footnotes at end of table.

Table 9.--Water-quality data for mine discharges, United Nuclear Corporation
Northeast Church Rock Mine, 1975-82--Continued

Date	Lead, total ($\mu\text{g/L}$ as Pb)	Mercury, total ($\mu\text{g/L}$ as Hg)	Molyb- denum, total ($\mu\text{g/L}$ as Mo)	Nickel, total ($\mu\text{g/L}$ as Ni)	Sele- nium, total ($\mu\text{g/L}$ as Se)	Silver, total ($\mu\text{g/L}$ as Ag)	Uranium, total ($\mu\text{g/L}$ as U)	Vana- dium, total ($\mu\text{g/L}$ as V)	Zinc, total ($\mu\text{g/L}$ as Zn)
Untreated water									
11-13-80	---	-----	----	----	--	-----	-----	-----	-----
11-17-80	---	-----	----	----	--	-----	-----	-----	-----
10-06-81	---	-----	----	----	--	-----	-----	-----	-----
11-02-82	---	-----	----	----	--	-----	-----	-----	-----
Treated water									
03-04-75 ³	---	-----	200	----	60	-----	7,600	500	-----
03-05-75 ³	---	-----	200	----	60	-----	6,500	400	-----
03-06-75 ³	---	-----	100	----	10	-----	7,600	400	-----
10-24-77	---	-----	<10	----	94	-----	1,200	-----	-----
11-13-78	<5	-----	65	----	74	-----	1,320	30	<1
08-29-79	<20	<0.20	<20	<20	22	<20	-----	50	<20
11-01-79	<5	-----	<10	----	53	-----	1,260	<10	<250
03-05-80	<5	-----	10	----	82	-----	516	24	<250
11-17-80	---	-----	-----	-----	---	-----	-----	-----	-----
10-06-81	---	-----	-----	-----	---	-----	-----	-----	-----
11-02-82	---	-----	-----	-----	---	-----	-----	-----	-----
07-20,21-82 ³	---	-----	14	----	43	-----	870	10	<50
Untreated water									
11-13-80	-----	-----	-----	-----	-----	-----	-----	24.1 \pm 0.8	-----
11-17-80	-----	6,442 \pm 551	-----	-----	-----	-----	-----	-----	-----
10-06-81	3,100 \pm 100	-----	1,200 \pm 100	-----	900 \pm 200	-----	-----	550 \pm 170	-----
11-02-82	-----	876 \pm 150	-----	-----	-----	-----	-----	-----	-----
Treated water									
03-04-75 ³	-----	-----	-----	-----	-----	19.8	-----	-----	-----
03-05-75 ³	-----	-----	-----	-----	-----	22.9	-----	-----	-----
03-06-75 ³	-----	-----	-----	-----	-----	27.3	-----	-----	-----
10-24-77	-----	-----	-----	-----	9.7 \pm 5.6	-----	-----	1.9 \pm .8	-----
11-13-78	900 \pm 60	-----	-----	-----	-----	-----	-----	2.0 \pm .1	-----
08-29-79	-----	-----	-----	-----	-----	-----	-----	-----	-----
11-01-79	650 \pm 80	-----	-----	-----	-----	-----	-----	.81 \pm .24	-----
03-05-80	282 \pm 18	-----	-----	-----	-----	-----	-----	3.89 \pm .15	-----
11-17-80	-----	326 \pm 32	-----	-----	-----	-----	-----	-----	-----
10-06-81	280 \pm 30	-----	10 \pm 2	10 \pm 1	-----	-----	-----	2.5 \pm .8	-----
11-02-82	-----	342 \pm 32	-----	-----	-----	-----	-----	-----	-----
07-20,21-82 ³	-----	-----	-----	-----	-----	1.35 \pm .07	-----	1.14 \pm .10	-----

See footnotes at end of table.

Table 9.--Water-quality data for mine discharges, United Nuclear Corporation
Northeast Church Rock Mine, 1975-82--Continued

Date	Radium-228, total (pCi/L as Ra-228)	Thorium- 228, total (pCi/L as Th-228)	Thorium- 230, total (pCi/L as Th-230)	Thorium- 232, total (pCi/L as Th-232)	Total suspended sediment, (mg/L)
Untreated water					
11-13-80	---	-----	-----	-----	----
11-17-80	---	-----	-----	-----	----
10-06-81	---	0.0±.1	210±10	0.1±0.1	----
11-02-82	---	-----	-----	-----	----
Treated water					
03-04-75 ³	---	-----	-----	-----	33
03-05-75 ³	---	-----	-----	-----	47
03-06-75 ³	---	-----	-----	-----	71
10-24-77	---	-----	-----	-----	----
11-13-78	0±2	-----	-----	-----	4.2
08-29-79	---	-----	-----	-----	----
11-01-79	---	-----	-----	-----	0
03-05-80	---	-----	-----	-----	4.5
11-17-80	---	-----	-----	-----	----
10-06-81	---	-0.2±.2	0.1±.1	0.0±.1	----
11-02-82	---	-----	-----	-----	----
07-20,21-82 ³	---	-----	-----	-----	2.6

¹Data from United Nuclear Corporation

²Data from Bruce Gallaher (New Mexico Health and Engineering Department, written commun., 1982).

³24-hour composite sample.

⁴Data from New Mexico Health and Engineering Department, Environmental Improvement Division, Water Pollution Control Board.

⁵Data from U.S. Environmental Protection Agency.

Table 10.--Water-quality data for tailings-pond solution, 1979-80

[Values are in the following units: $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25° Celsius; mg/L, milligrams per liter; $\mu\text{g}/\text{L}$, micrograms per liter; pCi/L, picocuries per liter; dashes indicate no data]

Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (Standard units)	Calcium, total (mg/L as Ca)	Magnesium, total (mg/L as Mg)	Sodium, total (mg/L as Na)	Potassium, total (mg/L as K)	Sulfate, total (mg/L as SO_4)	Chloride, total (mg/L as Cl)	Fluoride, total (mg/L as F)
02-05-79 ¹ 2	-----	1.92	----	50.8	519	----	4,802	50.0	2.47
11-01-79 ¹ 2	1,589	8.66	20.0	4.5	315.1	1.95	434.7	19.4	----
03-05-80 ³ 4	702	----	10.0	----	-----	1.56	108.6	12.2	----

Date	Bicarbonate, (mg/L as HCO_3)	Total solids dissolved (mg/L)	Nitrate+nitrite, total (mg/L as NO_2+NO_3)	Ammonia, total (mg/L as NH_3)	Aluminum, total ($\mu\text{g}/\text{L}$ as AL)	Arsenic, total ($\mu\text{g}/\text{L}$ as As)	Barium, total ($\mu\text{g}/\text{L}$ as Ba)	Cadmium, total ($\mu\text{g}/\text{L}$ as Cd)	Chromium, total ($\mu\text{g}/\text{L}$ as Cr)
02-05-79 ¹	-----	---	----	----	-----	70	<100	--	150
11-01-79 ¹	372.1	899	0.02	0.07	5,170	<5	940	<1	---
03-05-80 ³	258.2	441	----	----	-----	<5	201	<1	---

Date	Cobalt, total ($\mu\text{g}/\text{L}$ as Co)	Iron, total ($\mu\text{g}/\text{L}$ as Fe)	Lead, total ($\mu\text{g}/\text{L}$ as Pb)	Manganese, total ($\mu\text{g}/\text{L}$ as Mn)	Molybdenum, total ($\mu\text{g}/\text{L}$ as Mo)	Selenium, total ($\mu\text{g}/\text{L}$ as Se)	Uranium, total ($\mu\text{g}/\text{L}$ as U)	Vanadium, total ($\mu\text{g}/\text{L}$ as V)	Zinc, total ($\mu\text{g}/\text{L}$ as Zn)
02-05-79 ¹	950	157,500	200	14,000	40	--	4,090	---	----
11-01-79 ¹	----	-----	<5	-----	<10	29	1,140	95	<250
03-05-80 ³	----	-----	<5	-----	9	82	3,260	<10	<250

Date	Gross alpha, total (pCi/L)	Radium-226, total (pCi/L as Ra-226)	Thorium-230, total (pCi/L as Th-230)	Total suspended sediment, (mg/L)
02-05-79 ¹	-----	209.5	10,225	-----
11-01-79 ¹	5,300±300	4.2±1.3	-----	175
03-05-80 ³	1,890±100	38.9±1.3	-----	11.1

¹Sample from United Nuclear Corporation Old Church Rock, last settling pond.

²Data from United Nuclear Corporation

³Sample from United Nuclear Corporation, Northeast Church Rock.

⁴Data from New Mexico Health and Engineering Department, Environmental Improvement Division, Water Pollution Control Board.

Table 11.--Monthly values for uranium and radium in treated mine discharge,
Church Rock District Mines, 1979-82

[Data from U.S. Environmental Protection Agency. Dashes indicate no data]

Year and month	Uranium total, in micrograms per liter			Radium-226 total, in picocuries per liter			Radium-226 dissolved, in picocuries per liter		
	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum
Kerr-McGee Church Rock I Mine									
1980									
January.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
February.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
March.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
April.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
May.....	-----	-----	1,360	-----	-----	-----	-----	-----	1.54
June.....	-----	-----	1,340	-----	-----	-----	-----	-----	1.23
July.....	-----	-----	1,300	-----	-----	-----	-----	-----	2.4
August.....	-----	-----	1,200	-----	-----	-----	-----	-----	1.4
September.....	-----	-----	1,200	-----	-----	-----	-----	-----	1.8
October.....	-----	-----	1,000	-----	-----	-----	-----	-----	1.7
November.....	-----	-----	1,600	-----	-----	-----	-----	-----	1.6
December.....	-----	-----	1,100	-----	-----	-----	-----	-----	1.3
1981									
January.....	-----	-----	1,300	-----	-----	-----	-----	-----	.94
February.....	-----	-----	1,350	-----	-----	-----	-----	-----	3.2
March.....	-----	-----	1,600	-----	-----	-----	-----	-----	.6
April.....	-----	-----	1,400	-----	-----	-----	-----	-----	1.0
May.....	-----	-----	1,400	-----	-----	-----	-----	-----	2.85
June.....	-----	-----	1,300	-----	-----	-----	-----	-----	.93
July.....	-----	-----	1,400	-----	-----	-----	-----	-----	1.48
August.....	-----	-----	1,400	-----	-----	-----	0.44	-----	.86
September.....	-----	-----	1,200	-----	-----	-----	-----	-----	.51
October.....	-----	1,180	1,300	-----	-----	-----	-----	1.04	2.2
November.....	-----	1,100	1,300	-----	-----	-----	-----	.42	.51
December.....	-----	1,100	1,300	-----	-----	-----	-----	.62	1.08
1982									
January.....	-----	1,500	1,700	-----	-----	-----	-----	.39	.64
February.....	-----	1,400	1,600	-----	-----	-----	-----	.24	.35
March.....	-----	1,400	1,500	-----	-----	-----	-----	.29	.32
April.....	-----	1,400	1,500	-----	-----	-----	-----	.30	.51
May.....	-----	1,400	1,500	-----	-----	-----	-----	.52	.77
June.....	-----	1,500	2,000	-----	-----	-----	-----	2.25	8.0
July.....	-----	2,000	2,700	-----	-----	-----	-----	.69	.90
August.....	-----	1,750	2,100	-----	-----	-----	-----	1.23	1.89
September.....	-----	1,980	2,100	-----	-----	-----	-----	.40	.57
October.....	-----	-----	2,600	-----	-----	-----	-----	-----	.45
November.....	-----	-----	2,100	-----	-----	-----	-----	-----	.59
December.....	-----	-----	1,500	-----	-----	-----	-----	-----	.40

Table 11.--Monthly values for uranium and radium in treated mine discharge, Church Rock District Mines, 1979-82--Continued

Year and month	Uranium total, in micrograms per liter			Radium-226 total, in picocuries per liter			Radium-226 dissolved, in picocuries per liter		
	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum
United Nuclear Corporation Northeast Church Rock Mine									
1979									
January.....	300	950	1,870	-----	-----	-----	<0.6	0.8	1.2
February.....	300	750	1,630	-----	-----	-----	<.6	.8	.8
March.....	440	740	1,380	-----	-----	-----	<.6	.9	1.3
April.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
May.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
June.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
July.....	560	740	1,040	-----	-----	-----	0.6	1.58	2.4
August.....	490	690	940	-----	-----	-----	<.6	.88	1.4
September.....	380	570	930	-----	-----	-----	<.6	1.2	1.9
October.....	630	1,006	1,600	-----	-----	-----	<.6	.84	1.3
November.....	630	708	850	-----	-----	-----	<.6	.92	1.5
December.....	610	755	950	-----	-----	-----	<.6	.82	1.3
1980									
January.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
February.....	670	898	1,290	-----	-----	-----	<.6	.98	1.6
March.....	240	450	590	-----	-----	-----	<.6	.8	.9
April.....	190	426	780	2.0	15.04	34.6	<.6	.93	2.1
May.....	380	810	1,140	1.2	2.86	8.4	<.6	.71	1.5
June.....	570	814	1,220	1.5	3.88	6.9	<.6	.90	1.5
July.....	950	1,070	1,440	.60	2.39	6.2	.04	.59	1.8
August.....	620	1,035	1,450	.59	1.59	3.57	.04	.14	.23
September.....	950	1,150	1,450	.62	2.35	5.16	.04	.27	.61
October.....	740	1,020	1,560	.76	2.66	4.49	0	.33	.79
November.....	820	1,280	1,810	.60	2.70	8.49	0	.30	.82
December.....	1,030	1,770	2,840	.51	2.76	4.24	0	.26	.52
1981									
January.....	1,230	2,080	2,700	1.63	5.41	13.61	0	.19	.41
February.....	830	1,570	2,160	2.41	5.12	7.2	0	.26	1.12
March.....	980	1,470	2,180	.04	6.96	14.82	0	.31	.42
April.....	1,400	2,070	2,360	2.04	6.49	9.57	.14	.93	1.85
May.....	1,570	2,190	2,860	5.90	12.5	19.4	1.02	2.53	8.37
June.....	1,070	2,080	2,150	1.13	6.28	9.88	0	1.20	2.17
July.....	-----	1,800	2,400	-----	5.50	8.57	-----	1.93	3.16
August.....	-----	1,120	1,990	-----	8.80	12.79	-----	3.60	5.63
September.....	-----	1,680	1,820	-----	2.23	4.25	-----	1.29	3.37
October.....	-----	900	1,830	-----	1.62	3.69	-----	.84	2.59
November.....	-----	1,090	1,760	-----	4.08	7.69	-----	.76	1.39
December.....	-----	1,030	1,430	-----	3.11	10.17	-----	.66	1.55
1982									
January.....	-----	740	1,300	-----	1.48	2.82	-----	.36	.61
February.....	-----	1,010	1,270	-----	5.97	14.36	-----	.44	.67
March.....	-----	810	1,310	-----	9.40	16.23	-----	.76	2.03
April.....	-----	1,080	2,020	-----	2.12	5.19	-----	.38	.7
May.....	-----	1,630	2,840	-----	3.52	6.33	-----	.47	.72
June.....	-----	940	1,490	-----	2.38	3.54	-----	.49	1.01
July.....	-----	1,000	1,800	-----	2.5	6.4	-----	.5	.7
August.....	-----	800	1,100	-----	2.1	4.2	-----	.4	.9
September.....	-----	900	1,200	-----	2.1	3.0	-----	.5	1.1
October.....	-----	580	780	-----	1.6	3.44	-----	.31	.49
November.....	-----	800	1,740	-----	2.27	3.05	-----	.44	.65
December.....	-----	710	1,230	-----	2.81	5.54	-----	.49	1.02

Table 11.--Monthly values for uranium and radium in treated mine discharge,
Church Rock District Mines, 1979-82--Continued

Year and month	Uranium total, in micrograms per liter			Radium-226 total, in picocuries per liter			Radium-226 dissolved, in picocuries per liter		
	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum
United Nuclear Corporation Old Church Rock Mine									
1980									
January.....	-----	-----	-----	----	-----	-----	----	----	----
February.....	130	220	163	2.2	4.0	7.1	0.7	1.4	2.4
March.....	180	202	250	1.4	2.12	3.8	.8	1.65	2.8
April.....	310	423	480	2.0	3.4	4.9	1.0	2.1	3.2
May.....	500	717	1,160	.9	2.4	4.7	.6	1.6	3.5
June.....	670	938	1,750	2.0	2.9	3.9	2.0	3.0	4.5
July.....	640	874	1,260	3.78	4.08	6.6	3.89	4.88	6.0
August.....	320	450	860	.76	3.57	8.98	3.36	4.51	7.99
September.....	370	640	1,200	1.80	3.03	4.48	1.97	3.20	4.01
October.....	860	1,090	1,360	3.27	9.61	18.96	3.24	5.14	7.41
November.....	990	1,330	1,650	8.24	13.82	24.40	1.85	6.0	8.07
December.....	1,000	1,090	1,200	3.85	12.39	27.46	.14	1.7	4.64
1981									
January.....	350	800	1,570	3.75	10.7	18.60	1.08	3.79	6.54
February.....	790	990	1,210	4.08	6.59	14.65	.53	1.73	3.56
March.....	640	950	1,440	4.21	8.19	13.78	0	.98	2.49
April.....	720	1,130	1,510	4.17	9.27	14.36	.65	2.84	7.48
May.....	900	1,500	2,390	5.75	8.36	10.48	.91	2.09	3.25
June.....	550	1,130	2,000	5.38	9.20	11.85	.7	2.94	5.51
July.....	-----	860	1,410	----	4.69	7.26	-----	1.49	1.76
August.....	-----	820	1,240	----	12.93	22.6	-----	3.94	7.65
September.....	-----	1,110	1,720	----	8.95	17.47	-----	2.73	6.32
October.....	-----	870	1,390	----	3.01	6.06	-----	1.66	3.46
November.....	-----	1,420	1,840	----	4.07	5.33	-----	2.05	4.95
December.....	-----	1,040	1,680	----	7.71	10.79	-----	2.05	3.24
1982									
January.....	-----	950	1,060	----	10.83	13.80	-----	2.27	3.58
February.....	-----	780	1,210	----	12.87	22.90	-----	1.28	1.62
March.....	-----	980	1,520	----	10.41	14.41	-----	5.47	8.60
April.....	-----	1,100	1,480	----	8.46	9.94	-----	5.45	7.97
May.....	-----	820	1,170	----	8.28	10.4	-----	6.42	8.50
June.....	-----	770	1,010	----	7.46	8.51	-----	5.2	6.45
July.....	-----	900	1,100	----	7.8	9.8	-----	3.9	6.5
August.....	-----	800	1,000	----	7.1	12.8	-----	5.0	6.2
September.....	-----	700	1,000	----	3.5	4.5	-----	2.5	3.6
October.....	-----	1,100	1,600	----	4.04	4.99	-----	3.3	3.8
November.....	-----	900	1,100	----	5.16	7.82	-----	3.2	4.0
December.....	-----	900	1,300	----	6.6	8.1	-----	4.7	7.2

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page 65 follows

63

HISTORICAL WATER-QUALITY DATA

SURFACE WATER

[ND, not detected; K, based on nonideal colony count; E, estimated; <, less than; >, greater than.
See table 1 for explanation of agency collection and analysis codes]

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE NUMBER (CODE 00027)	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 00028)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CAC03 (00410)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)
1	352705108213501	03-19-86	--	--	1008	1008	--	--	--	--	--	--
2	352818108251401	03-26-82	1030	5.5	9735	--	--	--	--	--	--	--
3	353736108281701	11-13-80	1250	16.5	9735	--	--	--	8.6	--	--	--
4	353740108293601	08-04-82	1630	--	9735	--	--	952	--	--	480	--
		08-24-82	1100	--	9735	--	--	560	--	--	130	--
		10-05-82	1830	--	9735	--	--	1010	--	--	--	--
5	353738108294201	07-16-79	--	--	701	701	--	650	8.9	--	--	--
		07-19-79	--	--	701	701	--	600	8.7	--	--	--
		07-27-79	--	--	701	701	--	550	8.7	--	--	--
		08-04-79	--	--	701	701	--	580	8.9	--	--	--
		08-09-79	--	--	701	701	--	650	8.8	--	--	--
6	353924108294601	11-13-80	1250	16.5	9735	--	--	808	8.6	--	220	--
7	353923108294710	10-04-85	--	--	1008	1008	--	--	--	--	--	--
8	353930108294810	10-04-85	--	--	1008	1008	--	--	--	--	--	--
9	353850108301510	10-04-85	--	--	1008	1008	--	--	--	--	--	--
10	353940108302601	11-13-80	1015	22.0	9735	--	--	--	7.9	--	--	--
11	353932108303101	11-13-80	1015	--	9735	--	--	1080	7.9	--	190	--
12	353727108303501	07-16-79	--	--	701	701	--	620	8.9	--	--	--
		07-19-79	--	--	701	701	--	680	8.7	--	--	--
		07-27-79	--	--	701	701	--	670	8.8	--	--	--
		08-04-79	--	--	701	701	--	590	8.9	--	--	--
		08-09-79	--	--	701	701	--	580	8.9	--	--	--
13	352242108304401	09-08-87	1245	15.0	9735	--	--	273	8.8	140	160	--
14	352237108305001	09-08-87	1410	15.0	9735	--	--	289	8.8	139	170	--
15	353821108305201	11-13-80	1330	13.5	9735	--	--	784	8.2	--	220	--
16	352300108310001	06-26-70	1100	--	596	--	22	--	8.5	183	--	--
17	353804108311201	11-13-80	1330	13.5	9735	--	--	784	8.2	--	220	2
18	353814108320101	10-04-85	--	--	1008	1008	--	--	--	--	--	--
19	353731108320701	10-04-85	--	--	1008	1008	--	--	--	--	--	--
20	353642108330401	07-17-79	1430	32.0	9735	--	--	33200	1.9	--	--	--
21	353644108330901	07-16-79	--	--	701	701	--	35000	1.4	--	--	--
		07-17-79	1340	30.0	9735	--	--	3640	3.4	--	--	--
		07-19-79	--	--	701	701	--	1800	5.1	--	--	--
		07-27-79	--	--	701	701	--	1130	7.5	--	--	--
		08-04-79	--	--	701	701	--	940	7.6	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CYANIDE DIS- SOLVED (MG/L AS CN) (00723)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)
1	352705108213501	03-19-86	--	--	--	--	--	--	--	--	--
2	352818108251401	03-26-82	--	--	--	--	--	--	--	--	--
3	353736108281701	11-13-80	--	--	--	--	--	--	--	--	--
4	353740108293601	08-04-82	--	--	--	--	--	--	--	--	--
		08-24-82	--	--	--	--	--	--	--	--	--
		10-05-82	--	--	--	--	--	--	--	--	--
5	353738108294201	07-16-79	--	--	--	--	--	--	--	<0.01	110
		07-19-79	--	--	--	--	--	--	--	<0.01	72
		07-27-79	--	--	--	--	--	--	--	--	11
		08-04-79	--	--	--	--	--	--	--	<0.01	21
		08-09-79	--	--	--	--	--	--	--	0.10	44
6	353924108294601	11-13-80	4.06	9.81	0.590	0.580	--	--	--	--	96
7	353923108294710	10-04-85	--	--	--	--	--	--	--	--	--
8	353930108294810	10-04-85	--	--	--	--	--	--	--	--	--
9	353850108301510	10-04-85	--	--	--	--	--	--	--	--	--
10	353940108302601	11-13-80	--	--	--	--	--	--	--	--	--
11	353932108303101	11-13-80	8.95	14.5	1.43	1.44	--	--	--	--	150
12	353727108303501	07-16-79	--	--	--	--	--	--	--	0.02	100
		07-19-79	--	--	--	--	--	--	--	<0.01	86
		07-27-79	--	--	--	--	--	--	--	--	11
		08-04-79	--	--	--	--	--	--	--	<0.01	19
		08-09-79	--	--	--	--	--	--	--	0.59	39
13	352242108304401	09-08-87	0.130	0.180	<0.040	0.060	0.060	0.020	<0.010	--	140
14	352237108305001	09-08-87	0.130	<0.100	<0.040	<0.040	0.090	0.020	<0.010	--	140
15	353821108305201	11-13-80	2.83	2.68	1.51	1.64	--	--	--	--	110
16	352300108310001	06-26-70	--	--	--	--	--	--	--	--	170
17	353804108311201	11-13-80	2.83	2.68	1.51	1.64	--	--	--	--	110
18	353814108320101	10-04-85	--	--	--	--	--	--	--	--	--
19	353731108320701	10-04-85	--	--	--	--	--	--	--	--	--
20	353642108330401	07-17-79	275	--	--	7.90	--	--	--	--	5400
21	353644108330901	07-16-79	--	--	--	--	--	--	--	0.13	4700
		07-17-79	16.8	--	--	8.90	--	--	--	--	12000
		07-19-79	--	--	--	--	--	--	--	<0.01	470
		07-27-79	--	--	--	--	--	--	--	--	40
		08-04-79	--	--	--	--	--	--	--	<0.01	46

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
1	352705108213501	03-19-86	--	--	--	--	--	--	--	--	--
2	352818108251401	03-26-82	--	--	--	--	--	--	--	--	--
3	353736108281701	11-13-80	--	--	--	--	--	--	--	--	--
4	353740108293601	08-04-82	--	--	--	--	--	--	7.3	330	--
		08-24-82	--	--	--	--	--	--	4.9	200	--
		10-05-82	--	--	--	--	--	--	--	--	--
5	353738108294201	07-16-79	27	9.1	7400	310	99	4.6	19	130	0.30
		07-19-79	10	11	4000	210	99	4.4	22	120	0.27
		07-27-79	2.0	1.2	--	--	--	1.5	36	130	0.30
		08-04-79	3.2	3.1	3700	350	100	3.5	25	130	0.39
		08-09-79	7.6	6.1	3000	200	99	0.60	12	130	0.36
6	353924108294601	11-13-80	23	9.0	130	6	75	0.39	17	170	--
7	353923108294710	10-04-85	--	--	--	--	--	--	--	140	--
8	353930108294810	10-04-85	--	--	--	--	--	--	--	150	--
9	353850108301510	10-04-85	--	--	--	--	--	--	--	150	--
10	353940108302601	11-13-80	--	--	--	--	--	--	--	--	--
11	353932108303101	11-13-80	50	7.0	170	6	70	--	30	320	--
12	353727108303501	07-16-79	24	10	2400	100	98	2.8	13	130	0.26
		07-19-79	6.0	17	2500	120	98	2.8	11	170	0.32
		07-27-79	2.2	1.0	--	--	--	1.6	30	140	0.32
		08-04-79	2.3	3.0	4000	410	100	2.3	30	140	0.35
		08-09-79	6.7	5.3	3200	220	99	1.1	14	150	0.39
13	352242108304401	09-08-87	28	17	18	0.7	22	1.6	<5.0	--	--
14	352237108305001	09-08-87	28	16	21	0.8	25	2.0	<5.0	--	--
15	353821108305201	11-13-80	28	10	130	5	72	1.7	17	170	--
16	352300108310001	06-26-70	--	--	--	--	--	--	6.0	--	--
17	353804108311201	11-13-80	29	9.8	130	5	71	2.0	17	170	--
18	353814108320101	10-04-85	--	--	--	--	--	--	--	170	--
19	353731108320701	10-04-85	--	--	--	--	--	--	--	170	--
20	353642108330401	07-17-79	160	1200	600	4	19	130	290	--	--
21	353644108330901	07-16-79	150	1000	7700	49	78	96	5500	27000	27
		07-17-79	540	2600	160	0.6	3	9.8	31	2300	--
		07-19-79	130	34	3100	62	93	9.7	27	1100	0.22
		07-27-79	12	2.3	--	--	--	3.2	18	460	0.58
		08-04-79	14	2.4	2700	180	99	3.4	20	400	0.80

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	ARSENIC		BARIUM,		TOTAL,		CADMIUM	CHRO-	CHRO-	COBALT,
			DIS- SOLVED (UG/L AS AS) (01000)	TOTAL (UG/L AS AS) (01002)	DIS- SOLVED (UG/L AS BA) (01005)	RECOV- ERABLE (UG/L AS BA) (01007)	DIS- SOLVED (UG/L AS CD) (01025)	TOTAL RECOV- ERABLE (UG/L AS CD) (01027)				
1	352705108213501	03-19-86	--	--	--	--	--	--	--	--	--	--
2	352818108251401	03-26-82	34	--	1200	--	<1	--	--	--	--	--
3	353736108281701	11-13-80	11	--	330	--	<1	--	--	--	--	<5
4	353740108293601	08-04-82 08-24-82 10-05-82	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
5	353738108294201	07-16-79 07-19-79 07-27-79 08-04-79 08-09-79	8 8 22 5 5	-- -- -- -- --	1700 1700 1400 760 57	-- -- -- -- --	4 <4 <10 1 1	-- -- -- -- --	<20 <20 <20 20 7	-- -- -- -- --	-- -- -- -- --	90 5 <10 40 20
6	353924108294601	11-13-80	11	11	330	1100	<1	<1	--	--	--	<5
7	353923108294710	10-04-85	--	3	--	400	--	--	--	--	<1	--
8	353930108294810	10-04-85	--	3	--	400	--	--	--	--	<1	--
9	353850108301510	10-04-85	--	3	--	200	--	2	--	--	<1	--
10	353940108302601	11-13-80	<5	--	<100	--	<1	--	--	--	--	<5
11	353932108303101	11-13-80	<5	<5	<100	2000	<1	1	--	--	--	<5
12	353727108303501	07-16-79 07-19-79 07-27-79 08-04-79 08-09-79	9 7 24 <1 7	-- -- -- -- --	1500 1200 1600 870 670	-- -- -- -- --	4 <4 <10 1 --	-- -- -- -- --	<20 <20 <20 10 9	-- -- -- -- --	-- -- -- -- --	80 5 <10 3 20
13	352242108304401	09-08-87	--	<5	--	<100	--	<1	--	--	--	--
14	352237108305001	09-08-87	--	<5	--	<100	--	<1	--	--	--	--
15	353821108305201	11-13-80	8	8	340	600	<1	<1	--	--	--	<5
16	352300108310001	06-26-70	--	--	--	--	--	--	--	--	--	--
17	353804108311201	11-13-80	8	--	340	--	<1	--	--	--	--	<5
18	353814108320101	10-04-85	--	3	--	200	--	--	--	--	<1	--
19	353731108320701	10-04-85	--	3	--	200	--	1	--	--	1	--
20	353642108330401	07-17-79	1300	--	140	200	--	310	--	--	--	--
21	353644108330901	07-16-79 07-17-79 07-19-79 07-27-79 08-04-79	8 7 5 13 4	-- -- -- -- --	880 190 1400 <100 460	-- -- -- -- --	82 -- <4 <10 1	-- 8 -- -- --	1600 -- <20 <20 20	-- -- -- -- --	-- -- -- -- --	790 -- 70 <10 80

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, DIS- SOLVED (UG/L AS CU) (D1040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
1	352705108213501	03-19-86	--	--	--	--	--	--	--	--
2	352818108251401	03-26-82	--	--	--	17000	13	--	--	--
3	353736108281701	11-13-80	--	--	--	<300	<5	--	--	130
4	353740108293601	08-04-82	--	--	--	--	--	--	--	--
		08-24-82	--	--	--	--	--	--	--	--
		10-05-82	--	--	--	--	--	--	--	--
5	353738108294201	07-16-79	--	40	--	<40	<50	--	--	<10
		07-19-79	--	<10	--	2800	50	--	--	1100
		07-27-79	--	<10	--	<40	<10	--	--	<10
		08-04-79	--	7	--	150	23	--	--	1
		08-09-79	--	8	--	110	24	--	--	2
6	353924108294601	11-13-80	<5	--	830	<300	<5	<5	<100	130
7	353923108294710	10-04-85	--	--	--	--	--	3	--	--
8	353930108294810	10-04-85	--	--	--	--	--	<1	--	--
9	353850108301510	10-04-85	--	--	--	--	--	<1	--	--
10	353940108302601	11-13-80	--	--	--	<500	<5	--	--	380
11	353932108303101	11-13-80	<5	--	3100	<500	<5	<5	550	380
12	353727108303501	07-16-79	--	<10	--	<40	<50	--	--	<10
		07-19-79	--	<10	--	2800	100	--	--	530
		07-27-79	--	<10	--	<40	<10	--	--	<10
		08-04-79	--	--	--	120	26	--	--	1
		08-09-79	--	10	--	11	25	--	--	1
13	352242108304401	09-08-87	--	--	--	--	--	<10	--	--
14	352237108305001	09-08-87	--	--	--	--	--	<10	--	--
15	353821108305201	11-13-80	<5	--	1200	<300	<5	7	<100	<100
16	352300108310001	06-26-70	--	--	--	--	--	--	--	--
17	353804108311201	11-13-80	--	--	--	<300	<5	--	--	<100
18	353814108320101	10-04-85	--	--	--	--	--	<1	--	--
19	353731108320701	10-04-85	--	--	--	--	--	<1	--	--
20	353642108330401	07-17-79	--	--	--	3020000	120	--	--	--
21	353644108330901	07-16-79	--	4200	--	2210000	550	--	--	73000
		07-17-79	--	--	--	2600	<5	--	--	--
		07-19-79	--	<10	--	240000	90	--	--	3200
		07-27-79	--	<10	--	<40	<10	--	--	360
		08-04-79	--	29	--	350	26	--	--	12

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	MOLYB-	MOLYB-	NICKEL,	SILVER,	SILVER,	VANA-	ZINC,	ALUM-	ALUM-
			DENUM, DIS- SOLVED (UG/L AS MO) (01060)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	DIS- SOLVED (UG/L AS NI) (01065)	DIS- SOLVED (UG/L AS AG) (01075)	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	DENUM, DIS- SOLVED (UG/L AS V) (01085)	DIS- SOLVED (UG/L AS ZN) (01090)	TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	DENUM, DIS- SOLVED (UG/L AS AL) (01106)
1	352705108213501	03-19-86	--	--	--	--	--	--	--	--	--
2	352818108251401	03-26-82	<10	--	--	--	--	--	--	--	40000
3	353736108281701	11-13-80	430	--	--	--	--	--	--	--	<500
4	353740108293601	08-04-82	--	--	--	--	--	--	--	--	--
		08-24-82	--	--	--	--	--	--	--	--	--
		10-05-82	--	--	--	--	--	--	--	--	--
5	353738108294201	07-16-79	170	--	<40	<10	--	<100	6	--	<200
		07-19-79	190	--	<40	<10	--	<100	35	--	300
		07-27-79	<40	--	<10	<10	--	<100	<10	--	<200
		08-04-79	360	--	7	3.0	--	4	7	--	740
		08-09-79	270	--	6	4.5	--	22	4	--	330
6	353924108294601	11-13-80	430	720	--	--	--	--	--	370	<500
7	353923108294710	10-04-85	--	--	--	--	--	--	--	--	--
8	353930108294810	10-04-85	--	--	--	--	--	--	--	--	--
9	353850108301510	10-04-85	--	--	--	--	--	--	--	--	--
10	353940108302601	11-13-80	6	--	--	--	--	--	--	--	<500
11	353932108303101	11-13-80	6	13	--	--	--	--	--	1400	<500
12	353727108303501	07-16-79	170	--	<40	<10	--	<100	9	--	<200
		07-19-79	<40	--	80	10	--	<100	47	--	<200
		07-27-79	<40	--	<10	<10	--	<100	<10	--	<200
		08-04-79	360	--	12	5.1	--	12	4	--	590
		08-09-79	250	--	9	5.5	--	64	3	--	80
13	352242108304401	09-08-87	--	--	--	--	<1	--	--	--	--
14	352237108305001	09-08-87	--	--	--	--	<1	--	--	--	--
15	353821108305201	11-13-80	610	620	--	--	--	--	--	970	<500
16	352300108310001	06-26-70	--	--	--	--	--	--	--	--	--
17	353804108311201	11-13-80	610	--	--	--	--	--	--	--	<500
18	353814108320101	10-04-85	--	--	--	--	--	--	--	--	--
19	353731108320701	10-04-85	--	--	--	--	--	--	--	--	--
20	353642108330401	07-17-79	690	--	--	--	--	--	--	--	1340000
21	353644108330901	07-16-79	560	--	3000	150	--	59000	10000	--	1070000
		07-17-79	<10	--	--	--	--	--	--	--	49000
		07-19-79	<40	--	<40	<10	--	<100	35	--	400
		07-27-79	<40	--	<10	<10	--	<100	<10	--	<200
		08-04-79	420	--	14	3.2	--	7	3	--	380

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	GROSS ALPHA, TOTAL (PCI/L) (01501)	GROSS BETA TOTAL (PCI/L AS CS-137) (03519)	RADIUM 226, TOTAL (PCI/L) (09501)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)	RADIUM 228, TOTAL (PCI/L) (11501)	THORIUM 230 DIS- SOLVED (PCI/L) (26503)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)
1	352705108213501	03-19-86	--	--	54	64	2.1	--	--	--	10
2	352818108251401	03-26-82	14	--	--	--	--	--	--	--	--
3	353736108281701	11-13-80	31	--	--	--	--	--	--	--	--
4	353740108293601	08-04-82	--	--	--	--	--	--	--	--	--
		08-24-82	--	--	--	--	--	--	--	--	--
		10-05-82	--	--	--	--	--	--	--	--	--
5	353738108294201	07-16-79	16	--	--	--	--	2.5	--	37.8	710
		07-19-79	17	--	--	--	--	12	--	9.3	810
		07-27-79	130	--	--	--	--	2.5	--	21.5	900
		08-04-79	41	--	--	--	--	2.1	--	54.6	850
		08-09-79	58	--	--	--	--	2.6	--	20.6	850
6	353924108294601	11-13-80	31	26	--	--	--	--	--	--	--
7	353923108294710	10-04-85	--	50	970	280	2.8	--	<0.5	--	--
8	353930108294810	10-04-85	--	53	910	290	2.8	--	0.7	--	--
9	353850108301510	10-04-85	--	48	1400	530	2.0	--	3.6	--	--
10	353940108302601	11-13-80	55	--	--	--	--	--	--	--	--
11	353932108303101	11-13-80	55	42	--	--	--	--	--	--	--
12	353727108303501	07-16-79	15	--	--	--	--	5.5	--	19.3	790
		07-19-79	12	--	--	--	--	18	--	10.9	80
		07-27-79	120	--	--	--	--	3.0	--	21.5	860
		08-04-79	12	--	--	--	--	2.4	--	15.5	860
		08-09-79	67	--	--	--	--	4.1	--	25.4	890
13	352242108304401	09-08-87	--	<5	--	--	--	--	--	--	--
14	352237108305001	09-08-87	--	<5	--	--	--	--	--	--	--
15	353821108305201	11-13-80	23	25	--	--	--	--	--	--	--
16	352300108310001	06-26-70	--	--	--	--	--	--	--	--	--
17	353804108311201	11-13-80	23	--	--	--	--	--	--	--	--
18	353814108320101	10-04-85	--	49	1220	430	1.0	--	0.6	--	--
19	353731108320701	10-04-85	--	45	1060	490	1.2	--	0.5	--	--
20	353642108330401	07-17-79	74	--	--	--	--	--	--	--	--
21	353644108330901	07-16-79	81	--	--	--	--	100	--	8100	6500
		07-17-79	52	--	--	--	--	--	--	--	--
		07-19-79	11	--	--	--	--	9.4	--	0.6	20
		07-27-79	130	--	--	--	--	2.8	--	11.0	580
		08-04-79	12	--	--	--	--	1.0	--	30.3	680

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS NH4) (71846)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG) (71900)	MERCURY TOTAL RECOVER- ABLE (UG/L) (71901)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)
1	352705108213501	03-19-86	--	--	--	--	--	--	--	7000	--
2	352818108251401	03-26-82	--	--	--	--	--	--	--	--	--
3	353736108281701	11-13-80	--	--	--	--	--	--	--	--	--
4	353740108293601	08-04-82 08-24-82 10-05-82	746 413 --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
5	353738108294201	07-16-79 07-19-79 07-27-79 08-04-79 08-09-79	438 443 466 1290 530	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	<1.0 <1.0 -- <1.0 <1.0	-- -- -- -- --	6860 6860 6860 6860 6860	380 300 9.7 210 290
6	353924108294601	11-13-80	498	472	0.68	13	5.2	--	--	--	--
7	353923108294710	10-04-85	423	--	--	--	--	--	<0.20	--	--
8	353930108294810	10-04-85	433	--	--	--	--	--	<0.20	--	--
9	353850108301510	10-04-85	448	--	--	--	--	--	<0.20	--	--
10	353940108302601	11-13-80	--	--	--	--	--	--	--	--	--
11	353932108303101	11-13-80	697	687	0.95	19	12	--	--	--	--
12	353727108303501	07-16-79 07-19-79 07-27-79 08-04-79 08-09-79	434 441 486 1320 604	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	<1.0 <1.0 -- <1.0 <1.0	-- -- -- -- --	6840 6840 6840 6840 6840	210 370 9.5 390 360
13	352242108304401	09-08-87	190	--	--	0.23	0.17	<0.50	--	--	--
14	352237108305001	09-08-87	182	--	--	--	0.17	<0.50	--	--	--
15	353821108305201	11-13-80	512	479	0.70	3.5	3.6	--	--	--	--
16	352300108310001	06-26-70	--	--	--	--	--	--	--	--	--
17	353804108311201	11-13-80	--	483	0.66	3.5	3.6	--	--	--	--
18	353814108320101	10-04-85	476	--	--	--	--	--	<0.20	6880	--
19	353731108320701	10-04-85	502	--	--	--	--	--	<0.20	6860	--
20	353642108330401	07-17-79	35700	--	--	--	350	--	--	--	--
21	353644108330901	07-16-79 07-17-79 07-19-79 07-27-79 08-04-79	41100 3110 1750 902 1700	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- 22 -- -- --	<1.0 -- <1.0 -- <1.0	-- -- -- -- --	-- -- -- -- --	120 -- 25 22 100

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LITY WAT WH TOT FET FIELD (MG/L AS CACO3) (00410)	BICAR- BONATE WATER WH FET FIELD (MG/L AS HCO3) (00440)
21	353644108330901	08-09-79	--	--	701	701	--	1110	8.0	--	--	--
22	353646108330910	10-16-75	1300	15.0	--	--	7.3	750	7.5	14	226	280
		10-06-76	1310	19.0	--	--	7.4	680	8.4	1.7	220	250
		05-18-78	1345	24.0	--	--	6.4	600	8.8	--	--	--
		07-12-78	0950	20.0	--	1028	--	800	8.6	--	--	--
		07-19-79	--	--	701	701	--	1950	<4.5	--	--	--
		07-27-79	--	--	701	701	--	1200	7.4	--	--	--
		08-04-79	--	--	701	701	--	1010	7.7	--	--	--
		08-09-79	--	--	701	701	--	1190	7.9	--	--	--
23	09395350	07-17-79	1500	28.0	--	1028	7.1	3450	3.6	--	<1	--
		07-19-79	1800	25.5	--	1028	8.0	2300	5.2	--	--	--
		09-29-88	1958	--	1028	1028	--	--	--	--	--	--
24	09395400	06-29-82	1646	--	1028	1028	--	--	--	--	--	--
		06-29-82	1651	--	1028	1028	--	--	--	--	--	--
		06-29-82	1655	--	1028	1028	--	--	--	--	--	--
25	353641108333501	03-09-78	1615	11.5	9735	--	--	700	8.2	--	--	220
		10-04-78	1420	21.5	9735	--	--	935	8.1	--	--	240
		01-23-79	1000	--	9735	--	--	1120	--	--	--	290
		05-22-79	0930	16.0	9735	--	--	951	8.4	--	--	240
		07-16-79	0930	--	9735	--	--	37600	1.4	--	--	--
		08-07-79	1855	22.0	9735	--	--	--	6.8	--	--	--
		08-20-79	1515	24.5	9735	--	--	840	7.4	--	--	210
		09-26-79	1640	22.0	9735	--	--	865	8.8	--	--	260
		10-02-79	1640	--	9735	--	--	1150	--	--	--	--
		10-23-79	1845	--	9735	--	--	879	--	--	--	230

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA DIS- OLVED (MG/L AS N) (00608)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CYANIDE DIS- SOLVED (MG/L AS CN) (00723)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
21	353644108330901	08-09-79	--	--	--	--	--	--	--	--	0.07	240
22	353646108330910	10-16-75	--	480	1600	--	0.380	0.12	0.040	--	--	100
		10-06-76	9	500	79	--	0.490	0.06	0.020	--	--	53
		05-18-78	--	--	--	--	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--	--	--	--	--
		07-19-79	--	--	--	--	--	--	--	--	<0.01	550
		07-27-79	--	--	--	--	--	--	--	--	--	59
		08-04-79	--	--	--	--	--	--	--	--	<0.01	71
		08-09-79	--	--	--	--	--	--	--	--	0.28	1200
23	09395350	07-17-79	--	3710	--	27.0	3.50	--	--	89	--	1700
		07-19-79	--	--	--	--	--	--	--	--	--	--
		09-29-88	--	--	--	--	--	--	--	--	--	--
24	09395400	06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	--	--	0.043	1.23	--	--	--	--	--
		10-04-78	--	--	--	0.061	4.73	--	--	--	--	--
		01-23-79	--	--	--	0.260	10.2	--	--	--	--	240
		05-22-79	--	--	--	--	--	--	--	--	--	200
		07-16-79	--	--	--	--	--	--	--	--	--	--
		08-07-79	--	--	--	--	--	--	--	--	--	--
		08-20-79	--	--	--	0.230	1.35	--	--	--	--	180
		09-26-79	--	--	--	0.140	1.60	--	--	--	--	130
		10-02-79	--	--	--	--	--	--	--	--	--	--
		10-23-79	--	--	--	0.160	2.33	--	--	--	--	160

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	HARD- NESS NONCARB	CALCIUM	MAGNE- SIUM,	SODIUM,	SODIUM	SODIUM PERCENT	SODIUM+	POTAS- SIUM,	CHLO- RIDE,	SULFATE
			WH WAT TOT FLD MG/L AS (CACO3) (00902)	DIS- SOLVED (MG/L AS CA) (00915)	DIS- SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)	AD- SORP- TION RATIO (00931)		DIS- SOLVED (MG/L AS NA) (00933)	DIS- SOLVED (MG/L AS K) (00935)	DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)
21	353644108330901	08-09-79	--	71	15	2500	71	96	--	8.3	17	460
22	353646108330910	10-16-75	--	26	8.6	130	6	73	--	2.4	5.7	160
		10-06-76	--	16	3.2	130	8	83	--	2.6	12	88
		05-18-78	--	--	--	--	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--	--	--	--	--
		07-19-79	--	150	41	3400	63	93	--	11	49	1300
		07-27-79	--	18	3.3	--	--	--	--	2.8	36	510
		08-04-79	--	17	6.4	2400	130	99	--	4.1	20	470
		08-09-79	--	450	15	2100	27	80	--	1.7	19	520
23	09395350	07-17-79	1700	560	75	260	3	25	270	13	38	2300
		07-19-79	--	--	--	--	--	--	--	5.7	--	--
		09-29-88	--	--	--	--	--	--	--	--	--	--
24	09395400	06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	22	--	130	--	--	--	3.1	17	100
		10-04-78	--	32	--	140	--	--	--	6.2	18	190
		01-23-79	--	64	21	150	4	57	--	5.5	21	220
		05-22-79	--	54	15	130	4	58	--	3.9	17	190
		07-16-79	--	--	--	--	--	--	--	--	270	14000
		08-07-79	--	--	--	--	--	--	--	--	--	--
		08-20-79	--	55	11	100	3	55	--	5.1	16	230
		09-26-79	--	41	7.4	110	4	63	--	2.0	18	200
		10-02-79	--	--	--	--	--	--	--	--	--	--
		10-23-79	--	42	13	110	4	60	--	2.7	17	230

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	FLUO-	SILICA,	ARSENIC	ARSENIC		BARIUM,	BARIUM,	BORON,	CADMIUM	CADMIUM
			RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SiO2) (00955)	DIS- SOLVED (UG/L AS AS) (01000)	SUS- PENDED TOTAL (UG/L AS AS) (01001)	ARSENIC TOTAL (UG/L AS AS) (01002)	DIS- SOLVED (UG/L AS BA) (01005)	TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	DIS- SOLVED (UG/L AS B) (01020)	DIS- SOLVED (UG/L AS CD) (01025)	TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
21	353644108330901	08-09-79	0.72	--	32	--	--	230	--	--	1	--
22	353646108330910	10-16-75	0.40	13	--	--	--	--	--	100	--	--
		10-06-76	0.50	16	--	--	1	--	--	90	--	--
		05-18-78	--	--	--	--	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--	--	--	--	--
		07-19-79	0.33	--	9	--	--	700	--	--	<4	--
		07-27-79	0.61	--	18	--	--	<100	--	--	<10	--
		08-04-79	0.55	--	3	--	--	1200	--	--	1	--
		08-09-79	0.70	--	23	--	--	1000	--	--	1	--
23	09395350	07-17-79	0.80	41	<1	1	1	--	--	160	--	--
		07-19-79	--	--	<1	--	--	<100	--	--	ND	--
		09-29-88	--	--	--	--	--	--	--	--	--	--
24	09395400	06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	--	<5	--	--	--	--	--	--	--
		10-04-78	--	--	9	--	--	--	--	--	--	--
		01-23-79	--	--	<5	--	--	180	--	--	--	--
		05-22-79	--	--	5	--	--	230	--	--	--	--
		07-16-79	--	--	--	--	970	--	300	--	--	100
		08-07-79	--	--	<5	--	--	330	--	--	<1	--
		08-20-79	--	--	<5	--	--	170	--	--	--	--
		09-26-79	--	--	7	--	19	190	2400	--	<1	1
10-02-79	--	--	<5	--	--	110	--	--	<5	--		
10-23-79	--	--	<5	--	--	--	--	--	<1	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	CHRO-	CHRO-	COBALT,	COPPER,	IRON,	LEAD,	SUS-	LEAD,
			M-IUM, DIS- SOLVED (UG/L AS CR) (01030)	M-IUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	DIS- SOLVED (UG/L AS CO) (01035)	DIS- SOLVED (UG/L AS CU) (01040)	DIS- SOLVED (UG/L AS FE) (01046)	DIS- SOLVED (UG/L AS PB) (01049)	PENDE D RECOV- ERABLE (UG/L AS PB) (01050)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
21	353644108330901	08-09-79	3	--	30	17	4	37	--	--
22	353646108330910	10-16-75	--	--	--	--	30	--	--	--
		10-06-76	--	--	--	--	20	--	--	--
		05-18-78	--	--	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--	--	--
		07-19-79	<20	--	120	20	450000	90	--	--
		07-27-79	<20	--	<10	<10	<40	<10	--	--
		08-04-79	20	--	2	8	210	40	--	--
		08-09-79	7	--	20	19	24	42	--	--
23	09395350	07-17-79	--	--	--	--	51000	ND	1000	1000
		07-19-79	<20	--	--	--	--	ND	--	--
		09-29-88	--	--	--	--	--	--	--	--
24	09395400	06-29-82	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	--	--	--	--	--	--	--
		10-04-78	--	--	--	--	--	--	--	--
		01-23-79	--	--	--	--	--	--	--	--
		05-22-79	--	--	--	--	--	--	--	--
		07-16-79	--	--	--	--	--	--	--	170
		08-07-79	--	--	--	--	--	<5	--	--
		08-20-79	--	--	--	--	--	--	--	--
		09-26-79	--	--	--	--	--	<5	--	85
		10-02-79	--	--	--	--	--	<5	--	--
		10-23-79	--	--	--	--	--	<5	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, SUS- PENDE RECOV. (UG/L AS MO) (01061)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
21	353644108330901	08-09-79	10	280	--	--	4	1.5	59	8
22	353646108330910	10-16-75	5	--	--	--	--	--	13	--
		10-06-76	--	--	--	--	--	--	--	--
		05-18-78	--	12	--	--	--	--	16	--
		07-12-78	--	240	--	--	--	--	9	--
		07-19-79	4200	<40	--	--	<40	<10	<100	35
		07-27-79	440	<40	--	--	<10	<10	<100	30
		08-04-79	4	420	--	--	8	2.3	9	3
		08-09-79	2	260	--	--	8	3.8	45	7
23	09395350	07-17-79	--	<1	28	28	--	--	--	--
		07-19-79	--	--	--	--	--	--	--	--
		09-29-88	--	--	--	--	--	--	--	--
24	09395400	06-29-82	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	<10	--	--	--	--	--	--
		10-04-78	--	280	--	--	--	--	--	--
		01-23-79	--	120	--	--	--	--	--	--
		05-22-79	--	210	--	--	--	--	--	--
		07-16-79	--	--	--	860	--	--	--	--
		08-07-79	--	140	--	--	--	--	--	--
		08-20-79	--	120	--	--	--	--	--	--
		09-26-79	--	200	--	110	--	--	--	--
		10-02-79	--	270	--	--	--	--	--	--
		10-23-79	--	86	--	--	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE) (01146)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	GROSS ALPHA, TOTAL (PCI/L) (01501)	GROSS ALPHA, DIS- SOLVED AS U-NAT) (01515)	GROSS ALPHA, SUSP. TOTAL AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED AS CS-137) (03515)
21	353644108330901	08-09-79	--	190	35	--	--	--	--	--	--
22	353646108330910	10-16-75	--	--	--	--	25	--	--	--	130
		10-06-76	--	--	31	--	31	--	--	--	240
		05-18-78	--	--	<1	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--	--	--	--
		07-19-79	--	1700	14	--	--	--	--	--	--
		07-27-79	--	<200	120	--	--	--	--	--	--
		08-04-79	--	240	10	--	--	--	--	--	--
		08-09-79	--	220	30	--	--	--	--	--	--
23	09395350	07-17-79	160000	--	<1	52	52	--	560	5400	150
		07-19-79	--	--	25	--	--	--	<18	2800	<9.9
		09-29-88	--	--	--	--	--	--	--	--	--
24	09395400	06-29-82	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	--	20	--	--	--	--	--	--
		10-04-78	--	--	22	--	--	--	--	--	--
		01-23-79	--	--	22	--	--	--	--	--	--
		05-22-79	--	--	37	--	--	--	--	--	--
		07-16-79	--	--	--	--	240	--	--	--	--
		08-07-79	--	670	26	--	--	--	--	--	--
		08-20-79	--	<50	27	--	--	--	--	--	--
		09-26-79	--	--	36	--	13	--	--	--	--
		10-02-79	--	--	29	--	--	--	--	--	--
		10-23-79	--	--	30	--	--	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	THORIUM 230 DIS- SOLVED (PCI/L) (26503)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)
21	353644108330901	08-09-79	11.8	650	--	1010	--	--	--	--	--
22	353646108330910	10-16-75	--	--	--	--	483	9.53	0.66	--	--
		10-06-76	--	--	--	--	412	8.24	0.56	--	--
		05-18-78	--	--	--	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--	--	--	--
		07-19-79	20.7	30	--	2010	--	--	--	--	--
		07-27-79	7.0	560	--	976	--	--	--	--	--
		08-04-79	8.4	670	--	1790	--	--	--	--	--
		08-09-79	14.7	540	--	1010	--	--	--	--	--
23	09395350	07-17-79	--	--	--	--	3350	64.2	4.56	84	--
		07-19-79	--	--	--	--	--	--	--	91	--
		09-29-88	--	--	--	--	--	--	--	--	70
24	09395400	06-29-82	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
25	353641108333501	03-09-78	--	--	--	429	--	--	--	--	--
		10-04-78	--	--	--	560	--	--	--	--	--
		01-23-79	--	--	--	676	679	--	0.92	--	--
		05-22-79	--	--	--	621	529	--	0.84	--	--
		07-16-79	--	--	--	35400	--	--	--	--	--
		08-07-79	--	--	--	--	--	--	--	--	--
		08-20-79	--	--	--	547	523	--	0.74	--	--
		09-26-79	--	--	--	563	513	--	0.77	--	--
		10-02-79	--	--	--	--	--	--	--	--	--
		10-23-79	--	--	--	592	535	--	0.81	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	BED	BED	BED	BED	BED	DRAIN- AGE AREA (SQ. MI.)
			MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)	
21	353644108330901	08-09-79	--	--	--	--	--	--
22	353646108330910	10-16-75	--	--	--	--	--	--
		10-06-76	--	--	--	--	--	--
		05-18-78	--	--	--	--	--	--
		07-12-78	--	--	--	--	--	--
		07-19-79	--	--	--	--	--	--
		07-27-79	--	--	--	--	--	--
		08-04-79	--	--	--	--	--	--
		08-09-79	--	--	--	--	--	--
23	09395350	07-17-79	--	--	--	--	--	193
		07-19-79	--	--	--	--	--	193
		09-29-88	--	--	--	--	--	193
24	09395400	06-29-82	--	--	--	--	--	14.0
		06-29-82	79	87	93	100	--	14.0
		06-29-82	31	42	60	89	100	14.0
25	353641108333501	03-09-78	--	--	--	--	--	--
		10-04-78	--	--	--	--	--	--
		01-23-79	--	--	--	--	--	--
		05-22-79	--	--	--	--	--	--
		07-16-79	--	--	--	--	--	--
		08-07-79	--	--	--	--	--	--
		08-20-79	--	--	--	--	--	--
		09-26-79	--	--	--	--	--	--
10-02-79	--	--	--	--	--	--		
		10-23-79	--	--	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE NUMBER (00027)	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
25	353641108333501	11-08-79	1100	--	9735	--	--	--	829	7.9	--	--
		11-30-79	1100	--	9735	--	--	--	737	8.2	--	--
		12-03-79	1630	1.0	9735	--	--	--	623	7.8	--	--
		01-08-80	1455	1.0	9735	--	--	--	694	8.2	--	--
		02-12-80	1200	4.0	9735	--	--	--	732	8.0	--	--
		03-03-80	1600	6.5	9735	--	--	--	704	8.2	--	--
		04-07-80	1450	16.0	9735	--	--	--	815	--	--	--
		05-14-80	1240	16.0	9735	--	--	--	824	8.7	--	--
		06-09-80	1615	25.5	9735	--	--	--	870	8.4	--	--
		07-09-80	1230	30.0	9735	--	--	--	798	8.4	--	--
		09-02-80	1510	34.0	9735	--	--	--	863	8.5	--	--
		10-01-80	1200	21.5	9735	--	--	--	798	8.3	--	--
		10-06-80	1630	20.0	9735	--	--	--	824	--	--	--
		11-13-80	1400	13.0	9735	--	--	--	715	8.3	--	--
		02-17-81	1730	12.0	9735	--	--	--	777	8.5	--	--
		03-31-81	1640	19.0	9735	--	--	--	852	8.3	--	--
		06-23-81	1636	28.0	9735	--	--	--	494	8.7	--	--
10-06-81	1630	20.0	9735	--	--	--	824	--	--	--		
03-23-82	1500	15.5	9735	--	--	--	--	--	--	--		
03-25-82	1500	--	9735	--	--	--	--	793	--	--	--	
26	353156108362301	06-29-88	1200	--	1028	1028	--	--	--	--	--	--
27	353457108363701	09-26-79	1550	24.5	9735	--	--	--	--	8.2	--	--
28	353223108380901	07-16-79	--	--	701	701	--	--	13500	2.5	--	--
		07-19-79	--	--	701	701	--	--	3200	5.6	--	--
		07-27-79	--	--	701	701	--	--	2800	6.8	--	--
		08-04-79	--	--	701	701	--	--	1830	7.4	--	--
		08-09-79	--	--	701	701	--	--	2150	7.7	--	--
29	353421108381010	07-16-86	--	--	1008	1008	--	--	--	--	--	--
		07-31-87	--	--	1008	1008	--	--	--	--	--	--
30	353351108384201	10-04-85	--	--	1008	1008	--	--	--	--	--	
31	353231108384801	03-23-82	1715	10.5	9735	--	--	--	315	--	--	--
32	353210108400010	07-16-86	0000	--	1008	1008	--	--	--	--	--	--
		07-31-87	0000	--	1008	1008	--	--	--	--	--	--
33	353217108400501	08-02-79	1530	29.5	9735	--	--	--	23000	3.2	--	--
		08-08-79	1425	--	9735	--	--	--	1500	--	--	--
34	353150108404401	10-04-85	--	--	1008	1008	--	--	--	--	--	--
35	353150108411410	10-06-76	1125	13.5	--	--	4.1	--	780	8.2	2.8	231
		06-07-77	1130	23.5	--	--	3.8	--	--	--	--	--
		07-06-77	1130	23.5	--	--	3.8	--	960	8.3	--	--
		07-16-79	--	--	701	701	--	--	12800	2.7	--	--
		07-19-79	--	--	701	701	--	--	3500	6.3	--	--
		07-27-79	--	--	701	701	--	--	2690	5.9	--	--
		08-04-79	--	--	701	701	--	--	2000	7.5	--	--
		08-09-79	--	--	701	701	--	--	2720	7.4	--	--
03-05-86	--	--	1008	1008	--	1800	--	8.1	--	--		
36	353149108424201	10-04-85	--	--	1008	1008	--	--	--	--	--	
37	353148108442110	02-25-78	1530	13.0	--	--	10	--	880	8.5	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	PHOS-	PHOS-	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CYANIDE	HARD- NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM	CALCIUM	MAGNE-	MAGNE-
			PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)		DIS- SOLVED (MG/L AS CN) (00723)		TOTAL (MG/L AS CA) (00910)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIMUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)
25	353641108333501	11-08-79	--	--	--	--	--	--	--	--	--
		11-30-79	--	--	--	--	--	--	--	--	--
		12-03-79	--	--	--	--	89	--	25	6.6	--
		01-08-80	--	--	--	--	110	--	28	9.3	--
		02-12-80	--	--	--	--	110	--	28	8.4	--
		03-03-80	--	--	--	--	110	--	32	7.8	--
		04-07-80	--	--	--	--	100	--	28	8.3	--
		05-14-80	--	--	--	--	110	--	28	8.9	--
		06-09-80	--	--	--	--	98	--	26	8.1	--
		07-09-80	--	--	--	--	--	--	--	--	--
		09-02-80	--	--	--	--	100	--	29	7.2	--
		10-01-80	--	--	--	--	96	--	27	6.8	--
		10-06-80	--	--	--	--	120	--	30	11	--
		11-13-80	--	--	--	--	120	--	32	9.6	--
		02-17-81	--	--	--	--	120	--	34	8.6	--
		03-31-81	--	--	--	--	140	--	33	15	--
		06-23-81	--	--	--	--	120	--	31	9.5	--
10-06-81	--	--	--	--	120	--	30	11	--		
03-23-82	--	--	--	--	110	--	28	10	--		
03-25-82	--	--	--	--	--	--	--	--	--		
26	353156108362301	06-29-88	--	--	--	--	--	--	--	--	
27	353457108363701	09-26-79	--	--	--	--	--	--	--	--	
28	353223108380901	07-16-79	--	--	--	0.12	4100	--	180	880	--
		07-19-79	--	--	--	<0.01	1100	--	280	98	--
		07-27-79	--	--	--	--	210	--	47	22	--
		08-04-79	--	--	--	<0.01	220	--	44	27	--
		08-09-79	--	--	--	0.13	810	--	260	37	--
29	353421108381010	07-16-86	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--	--	--
30	353351108384201	10-04-85	--	--	--	--	--	--	--	--	
31	353231108384801	03-23-82	--	--	--	--	--	--	--	--	
32	353210108400010	07-16-86	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--	--	--
33	353217108400501	08-02-79	--	--	--	--	11000	--	240	2400	--
		08-08-79	--	--	--	--	520	--	130	50	--
34	353150108404401	10-04-85	--	--	--	--	--	--	--	--	
35	353150108411410	10-06-76	0.18	0.060	--	--	92	--	29	4.8	--
		06-07-77	--	--	--	--	--	--	--	--	--
		07-06-77	--	--	150	--	--	--	--	--	--
		07-16-79	--	--	--	0.35	4300	--	200	930	--
		07-19-79	--	--	--	<0.01	1000	--	210	120	--
		07-27-79	--	--	--	--	210	--	45	24	--
		08-04-79	--	--	--	<0.01	220	--	41	29	--
		08-09-79	--	--	--	0.04	650	--	190	42	--
03-05-86	--	--	--	--	--	200	--	--	120		
36	353149108424201	10-04-85	--	--	--	--	--	--	--	--	
37	353148108442110	02-25-78	--	--	--	--	120	--	36	6.8	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	
25	353641108333501	11-08-79	--	--	--	--	--	24	200	--	--	--	
		11-30-79	--	--	--	--	--	16	160	--	--	--	
		12-03-79	100	5	71	1.6	--	12	120	--	--	--	--
		01-08-80	110	5	69	1.6	--	13	150	--	--	--	--
		02-12-80	120	5	70	2.0	--	15	150	--	--	--	--
		03-03-80	120	5	69	2.3	--	15	160	--	--	--	--
		04-07-80	140	6	74	2.7	--	18	160	--	--	--	--
		05-14-80	130	5	72	1.6	--	16	170	--	--	--	--
		06-09-80	140	6	76	2.3	--	18	170	--	--	--	--
		07-09-80	--	--	--	--	--	15	170	--	--	--	--
		09-02-80	150	6	75	4.7	--	28	180	--	--	--	--
		10-01-80	140	6	75	3.1	--	14	170	--	--	--	--
		10-06-80	140	5	70	3.5	--	17	190	--	--	--	--
		11-13-80	4.6	0.2	8	--	--	19	180	--	--	--	--
		02-17-81	140	5	71	2.0	--	16	190	--	--	--	--
		03-31-81	140	5	68	2.7	--	17	210	--	--	--	--
		06-23-81	150	6	74	1.2	--	22	200	--	--	--	--
		10-06-81	140	5	70	3.5	--	17	190	--	--	--	--
		03-23-82	130	5	72	1.2	--	15	200	--	--	--	--
		03-25-82	--	--	--	--	--	14	210	--	--	--	--
26	353156108362301	06-29-88	--	--	--	--	--	--	--	--	--	--	
27	353457108363701	09-26-79	--	--	--	--	--	--	--	--	--	--	
28	353223108380901	07-16-79	6400	44	77	88	--	3500	16000	14	--	--	
		07-19-79	3500	46	87	20	--	44	2400	0.17	--	--	
		07-27-79	--	--	--	6.9	--	48	1900	0.17	--	--	
		08-04-79	2600	75	96	7.9	--	25	1200	0.43	--	--	
		08-09-79	2200	34	85	9.1	--	21	1400	0.51	--	--	
29	353421108381010	07-16-86	--	--	--	--	--	--	--	--	--	--	
		07-31-87	--	--	--	--	--	7.0	550	--	--	--	
30	353351108384201	10-04-85	--	--	--	--	--	220	--	--	--		
31	353231108384801	03-23-82	--	--	--	--	--	--	--	--	--		
32	353210108400010	07-16-86	--	--	--	--	--	--	--	--	--	--	
		07-31-87	--	--	--	--	--	18	38	--	--	--	
33	353217108400501	08-02-79	1400	6	23	20	--	670	12000	--	--	--	
		08-08-79	87	2	26	9.0	--	36	630	--	--	--	
34	353150108404401	10-04-85	--	--	--	--	--	200	--	--	--		
35	353150108411410	10-06-76	140	6	76	3.5	--	18	130	0.60	--	11	
		06-07-77	--	--	--	--	--	--	--	--	--	--	
		07-06-77	--	--	--	37	--	--	--	0.50	--	--	
		07-16-79	11000	70	84	88	--	280	15000	12	--	--	
		07-19-79	3600	49	88	32	--	93	2600	0.17	--	--	
		07-27-79	--	--	--	9.2	--	48	2000	0.14	--	--	
		08-04-79	1300	38	92	10	--	30	1400	0.57	--	--	
		08-09-79	1700	29	85	3.4	--	29	1800	0.44	--	--	
03-05-86	320	--	--	--	2.4	210	500	--	0.7	--			
36	353149108424201	10-04-85	--	--	--	--	--	230	--	--	--		
37	353148108442110	02-25-78	170	7	75	3.4	--	53	190	0.70	--	12	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01D55)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01D56)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (D1062)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
25	3536411083335D1	11-08-79	--	--	--	--	--	--	--	--
		11-30-79	--	--	--	--	--	--	--	--
		12-03-79	--	--	--	16	--	--	--	--
		01-08-80	--	--	--	160	--	--	--	--
		02-12-80	--	--	--	240	--	--	--	--
		03-03-80	9	--	--	300	210	--	--	--
		04-07-80	24	--	--	--	81	--	--	--
		05-14-80	12	--	--	340	290	--	--	--
		06-09-80	--	--	--	430	--	--	--	--
		07-09-80	5	--	--	--	210	--	--	--
		09-02-80	--	--	--	490	--	--	--	--
		10-01-80	--	--	--	400	--	--	--	--
		10-06-80	--	--	--	290	--	--	--	--
		11-13-80	6	--	--	320	650	--	--	--
		02-17-81	21	1300	--	550	240	--	--	--
		03-31-81	--	--	--	370	--	--	--	--
		06-23-81	--	--	--	230	--	--	--	--
10-06-81	--	--	--	--	--	--	--	--		
03-23-82	13	--	--	270	400	--	--	--		
03-25-82	--	--	--	--	--	--	--	--		
26	353156108362301	06-29-88	--	--	--	--	--	--	--	
27	353457108363701	09-26-79	--	--	--	--	--	--	--	
28	353223108380901	07-16-79	--	--	92000	140	--	3000	90	--
		07-19-79	--	--	16000	<40	--	150	<10	--
		07-27-79	--	--	950	<40	--	130	<10	--
		08-04-79	--	--	560	370	--	7	4.1	--
		08-09-79	--	--	320	230	--	5	2.6	--
29	353421108381010	07-16-86	2	2	--	--	--	--	--	--
		07-31-87	--	--	1	--	--	--	--	--
30	353351108384201	10-04-85	2	--	--	--	--	--	--	
31	353231108384801	03-23-82	22	--	--	<10	<10	--	--	
32	353210108400010	07-16-86	1	5	--	--	--	--	--	--
		07-31-87	--	--	2	--	--	--	--	--
33	353217108400501	08-02-79	--	--	--	<10	--	--	--	--
		08-08-79	--	--	--	<10	--	--	--	--
34	353150108404401	10-04-85	16	--	--	--	--	--	--	
35	353150108411410	10-06-76	<200	--	--	--	--	--	--	--
		06-07-77	--	--	--	--	--	--	--	--
		07-06-77	600	9600	8	--	--	--	--	590
		07-16-79	--	--	96000	80	--	2900	90	--
		07-19-79	--	--	31000	<40	--	100	<10	--
		07-27-79	--	--	470	<40	--	80	<10	--
		08-04-79	--	--	130	400	--	6	7.6	--
		08-09-79	--	--	13	210	--	6	4.6	--
		03-05-86	--	<1	--	--	--	--	--	--
36	353149108424201	10-04-85	<1	--	--	--	--	--	--	
37	353148108442110	02-25-78	--	--	--	17	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	STRON-	VANA-	ZINC,	ZINC,	ALUM-	ALUM-	SELE-	SELE-	SELE-	
			TIIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	DIUM, DIS- SOLVED (UG/L AS V) (01085)	DIS- SOLVED (UG/L AS ZN) (D1090)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	INUM, DIS- SOLVED (UG/L AS AL) (01106)	NIUM, DIS- SOLVED (UG/L AS SE) (01145)	NIUM, SUS- PENDED TOTAL (UG/L AS SE) (01146)	NIUM, TOTAL (UG/L AS SE) (01147)	
25	35364110833501	11-08-79	--	--	--	--	--	--	--	--	--	
		11-30-79	--	--	--	--	--	--	--	--	--	
		12-03-79	--	--	--	--	--	--	28	--	--	
		01-08-80	--	--	--	--	--	--	36	--	--	
		02-12-80	--	--	--	--	--	--	36	--	--	
		03-03-80	--	--	--	--	--	--	36	--	13	
		04-07-80	--	--	--	--	--	--	--	--	25	
		05-14-80	--	--	--	--	--	--	37	--	14	
		06-09-80	--	--	--	--	--	--	48	--	--	
		07-09-80	--	--	--	--	--	--	--	--	19	
		09-02-80	--	--	--	--	--	--	42	--	--	
		10-01-80	--	--	--	--	--	--	30	--	--	
		10-06-80	--	--	--	--	--	--	46	--	--	
		11-13-80	--	--	--	--	--	12000	--	31	--	16
		02-17-81	--	--	--	--	--	52000	--	29	--	<5
		03-31-81	--	--	--	--	--	--	--	30	--	--
		06-23-81	--	--	--	--	--	--	--	48	--	--
10-06-81	--	--	--	--	--	--	--	--	--	--		
03-23-82	--	--	--	--	--	19000	400	40	--	22		
03-25-82	--	--	--	--	--	--	--	--	--	--		
26	353156108362301	06-29-88	--	--	--	--	--	--	--	--	--	
27	353457108363701	09-26-79	--	--	--	--	--	--	--	--	--	
28	353223108380901	07-16-79	--	27000	8500	--	--	780000	13	--	--	
		07-19-79	--	<100	130	--	--	200	11	--	--	
		07-27-79	--	<100	40	--	--	<200	110	--	--	
		08-04-79	--	5	3	--	--	270	7	--	--	
		08-09-79	--	48	4	--	--	160	34	--	--	
29	353421108381010	07-16-86	--	--	--	--	--	--	--	--	--	
		07-31-87	--	--	--	--	--	--	--	--	--	
30	353351108384201	10-04-85	--	--	--	--	--	--	--	40		
31	353231108384801	03-23-82	--	--	--	--	290000	250	<5	--	14	
32	353210108400010	07-16-86	--	--	--	--	--	--	--	--	--	
		07-31-87	--	--	--	--	--	--	--	--	--	
33	353217108400501	08-02-79	--	--	--	--	--	1890000	140	--	--	
		08-08-79	--	--	--	--	--	930	10	--	--	
34	353150108404401	10-04-85	--	--	--	--	--	--	--	--	38	
35	353150108411410	10-06-76	--	6	--	20	--	--	30	--	30	
		06-07-77	--	--	--	--	--	--	--	--	--	
		07-06-77	3400	2	50	2300	--	--	20	8	28	
		07-16-79	--	7300	8800	--	--	790000	11	--	--	
		07-19-79	--	<100	31	--	--	<200	10	--	--	
		07-27-79	--	<100	40	--	--	<200	90	--	--	
		08-04-79	--	8	2	--	--	330	8	--	--	
		08-09-79	--	94	2	--	--	1100	41	--	--	
03-05-86	--	--	--	--	--	--	--	--	--			
36	353149108424201	10-04-85	--	--	--	--	--	--	--	37		
37	353148108442110	02-25-78	--	3	--	--	--	20	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	GROSS BETA, DIS-			GROSS BETA, SUSP.			RADIUM 226, DIS-			LEAD-210 WATER WHOLE TOTAL
			ALPHA, TOTAL (PCI/L) (01501)	SOLVED (PCI/L) AS (CS-137) (03515)	TOTAL (PCI/L) AS (CS-137) (03516)	TOTAL (PCI/L) AS (CS-137) (03519)	RADIUM 226, TOTAL (PCI/L) (09501)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)	SOLVED, RADON METHOD (PCI/L) (09511)	RADIUM 228, TOTAL (PCI/L) (11501)		
25	353641108333501	11-08-79	--	--	--	--	--	--	--	--	--	--
		11-30-79	--	--	--	--	--	--	--	--	--	--
		12-03-79	--	--	--	--	--	--	--	--	--	--
		01-08-80	--	--	--	--	--	--	--	--	--	--
		02-12-80	--	--	--	--	--	--	--	--	--	--
		03-03-80	--	--	--	--	--	--	--	--	--	--
		04-07-80	--	--	--	--	--	--	--	--	--	--
		05-14-80	--	--	--	--	--	--	--	--	--	--
		06-09-80	--	--	--	--	--	--	--	--	--	--
		07-09-80	--	--	--	--	--	--	--	--	--	--
		09-02-80	--	--	--	--	--	--	--	--	--	--
		10-01-80	--	--	--	--	--	--	--	--	--	--
		10-06-80	--	--	--	--	--	--	--	--	--	--
		11-13-80	--	--	--	--	--	--	--	--	--	--
		02-17-81	--	--	--	--	--	--	--	--	--	--
03-31-81	--	--	--	--	--	--	--	--	--	--		
06-23-81	--	--	--	--	--	--	--	--	--	--		
10-06-81	--	--	--	--	--	--	--	--	--	--		
03-23-82	--	--	--	--	--	--	--	--	--	--		
03-25-82	--	--	--	--	--	--	--	--	--	--		
26	353156108362301	06-29-88	--	7.3	--	--	--	--	--	--	--	--
27	353457108363701	09-26-79	--	--	--	--	--	--	--	--	--	--
28	353223108380901	07-16-79	--	--	--	--	--	53	--	--	--	--
		07-19-79	--	--	--	--	--	4.6	--	--	--	--
		07-27-79	--	--	--	--	--	2.6	--	--	--	--
		08-04-79	--	--	--	--	--	3.2	--	--	--	--
		08-09-79	--	--	--	--	--	0.8	--	--	--	--
29	353421108381010	07-16-86	510	--	--	410	28	--	--	--	--	--
		07-31-87	190	--	--	130	--	6.3	--	--	--	--
30	353351108384201	10-04-85	990	--	--	370	0.4	--	--	<0.5	--	
31	353231108384801	03-23-82	--	--	--	--	--	--	--	--	--	
32	353210108400010	07-16-86	350	--	--	420	16	--	--	--	--	--
		07-31-87	450	--	--	780	--	18	--	--	--	--
33	353217108400501	08-02-79	--	--	--	--	--	--	--	--	--	--
		08-08-79	--	--	--	--	--	--	--	--	--	--
34	353150108404401	10-04-85	860	--	--	320	0.2	--	--	<0.5	--	
35	353150108411410	10-06-76	--	420	600	--	--	--	0.88	--	--	--
		06-07-77	--	--	--	--	--	--	--	--	--	--
		07-06-77	--	140	1200	--	--	--	0.95	--	--	--
		07-16-79	--	--	--	--	--	23	--	--	--	--
		07-19-79	--	--	--	--	--	4.8	--	--	--	--
		07-27-79	--	--	--	--	--	2.6	--	--	--	--
		08-04-79	--	--	--	--	--	3.0	--	--	--	--
		08-09-79	--	--	--	--	--	2.7	--	--	--	--
03-05-86	86	--	--	25	0.1	--	--	--	--	0.9		
36	353149108424201	10-04-85	1160	--	--	260	--	--	--	<0.5	--	
37	353148108442110	02-25-78	--	--	--	--	--	0.28	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	URANIUM	URANIUM	URANIUM	THORIUM	URANIUM	SOLIDS, SUSP.	SOLIDS, RESIDUE	SOLIDS, SUM OF	SOLIDS, DIS-
			-238 WATER WHOLE (PCI/L) (22601)	-234 WATER WHOLE (PCI/L) (22606)	NATURAL DIS- SOLVED (UG/L AS U) (22703)	230 DIS- SOLVED (PCI/L) (26503)	NATURAL TOTAL (UG/L AS U) (28011)	TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLVED (TONS PER DAY) (70302)
25	353641108333501	11-08-79	--	--	--	--	--	--	554	--	--
		11-30-79	--	--	--	--	--	--	577	--	--
		12-03-79	--	--	--	--	--	--	372	372	--
		01-08-80	--	--	--	--	--	--	438	429	--
		02-12-80	--	--	--	--	--	--	461	432	--
		03-03-80	--	--	--	--	--	--	450	448	--
		04-07-80	--	--	--	--	--	--	526	507	--
		05-14-80	--	--	--	--	--	--	515	477	--
		06-09-80	--	--	--	--	--	--	540	499	--
		07-09-80	--	--	--	--	--	--	--	--	--
		09-02-80	--	--	--	--	--	--	545	514	--
		10-01-80	--	--	--	--	--	--	504	484	--
		10-06-80	--	--	--	--	--	--	576	490	--
		11-13-80	--	--	--	--	--	--	546	377	--
		02-17-81	--	--	--	--	--	--	551	516	--
		03-31-81	--	--	--	--	--	--	548	543	--
06-23-81	--	--	--	--	--	--	554	547	--		
10-06-81	--	--	--	--	--	--	576	490	--		
03-23-82	--	--	--	--	--	--	537	516	--		
03-25-82	--	--	--	--	--	--	579	--	--		
26	353156108362301	06-29-88	--	--	--	--	--	--	--	--	--
27	353457108363701	09-26-79	--	--	--	--	--	--	--	--	--
28	353223108380901	07-16-79	--	--	--	7430	6800	--	29400	--	--
		07-19-79	--	--	--	<0.6	10	--	3600	--	--
		07-27-79	--	--	--	<0.6	<10	--	3270	--	--
		08-04-79	--	--	--	<0.6	160	--	2750	--	--
		08-09-79	--	--	--	9.8	230	--	2310	--	--
29	353421108381010	07-16-86	--	--	--	--	0.07	10400	--	--	--
		07-31-87	10	9.0	--	--	0.03	2940	--	--	--
30	353351108384201	10-04-85	--	--	--	--	--	574	--	--	
31	353231108384801	03-23-82	--	--	--	--	--	--	--	--	
32	353210108400010	07-16-86	--	--	--	--	0.02	10000	--	--	--
		07-31-87	--	--	--	--	0.04	24600	--	--	--
33	353217108400501	08-02-79	--	--	--	--	--	--	44900	--	--
		08-08-79	--	--	--	--	--	--	599	--	--
34	353150108404401	10-04-85	--	--	--	--	--	597	--	--	
35	353150108411410	10-06-76	--	--	1200	--	--	--	--	478	5.31
		06-07-77	--	--	--	--	--	--	--	--	--
		07-06-77	--	--	720	--	--	--	--	--	--
		07-16-79	--	--	--	47900	6400	--	25700	--	--
		07-19-79	--	--	--	<0.6	40	--	4020	--	--
		07-27-79	--	--	--	<0.6	<10	--	3350	--	--
		08-04-79	--	--	--	<0.6	80	--	3120	--	--
		08-09-79	--	--	--	<0.6	170	--	3010	--	--
03-05-86	--	--	--	--	0.17	24	770	--	--		
36	353149108424201	10-04-85	--	--	--	--	--	604	--	--	
37	353148108442110	02-25-78	--	--	960	--	--	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	GROSS	GROSS	GROSS	GROSS	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	THORIUM- 230 TOTAL (PCI/L)) (92023)
			ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)			
25	353641108333501	11-08-79	--	--	--	--	--	--	--
		11-30-79	--	--	--	--	--	--	--
		12-03-79	--	--	--	--	--	--	--
		01-08-80	--	--	--	--	--	--	--
		02-12-80	--	--	--	--	--	--	--
		03-03-80	--	--	--	--	--	--	--
		04-07-80	--	--	--	--	--	--	--
		05-14-80	--	--	--	--	--	--	--
		06-09-80	--	--	--	--	--	--	--
		07-09-80	--	--	--	--	--	--	--
		09-02-80	--	--	--	--	--	--	--
		10-01-80	--	--	--	--	--	--	--
		10-06-80	--	--	--	--	--	--	--
		11-13-80	--	--	--	--	--	--	--
		02-17-81	--	--	--	--	--	--	--
		03-31-81	--	--	--	--	--	--	--
		06-23-81	--	--	--	--	--	--	--
10-06-81	--	--	--	--	--	--	--		
03-23-82	--	--	--	--	--	--	--		
03-25-82	--	--	--	--	--	--	--		
26	353156108362301	06-29-88	11	3600	5.4	1600	--	--	--
27	353457108363701	09-26-79	--	--	--	--	--	--	--
28	353223108380901	07-16-79	4100	--	--	--	--	--	--
		07-19-79	10	--	--	--	--	--	--
		07-27-79	210	--	--	--	--	--	--
		08-04-79	12	--	--	--	--	--	--
		08-09-79	34	--	--	--	--	--	--
29	353421108381010	07-16-86	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--
30	353351108384201	10-04-85	--	--	--	--	--	--	
31	353231108384801	03-23-82	--	--	--	--	--	--	
32	353210108400010	07-16-86	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--
33	353217108400501	08-02-79	--	--	--	--	--	--	--
		08-08-79	--	--	--	--	--	--	--
34	353150108404401	10-04-85	--	--	--	--	--	--	
35	353150108411410	10-06-76	2800	1100	380	510	--	--	--
		06-07-77	--	--	--	--	15700	161	--
		07-06-77	1700	4200	110	1100	--	--	--
		07-16-79	4500	--	--	--	--	--	--
		07-19-79	5.0	--	--	--	--	--	--
		07-27-79	200	--	--	--	--	--	--
		08-04-79	10	--	--	--	--	--	--
		08-09-79	12	--	--	--	--	--	--
03-05-86	--	--	--	--	--	--	--	1	
36	353149108424201	10-04-85	--	--	--	--	--	--	
37	353148108442110	02-25-78	--	--	--	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE NUMBER (CODE 00027)	AGENCY ANA- LYZING SAMPLE NUMBER (CODE 00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BICAR-	CAR-	NITRO-
									BONATE WATER WH FET MG/L AS HCO3 (00440)	BONATE WATER WH FET MG/L AS CO3 (00445)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
38	35314610844001	04-13-78	0900	13.0	9735	--	968	--	300	--	0.013
		10-04-78	1130	14.0	9735	--	1080	8.3	250	--	0.073
		01-23-79	0910	<0.5	9735	--	994	--	260	--	0.168
		05-22-79	0830	11.0	9735	--	945	8.1	210	--	--
		07-16-79	1350	21.5	9735	--	12800	3.4	--	--	--
		07-16-79	1610	18.5	9735	--	13400	3.2	--	--	--
		07-16-79	2040	19.5	9735	--	12600	3.3	--	--	184
		07-17-79	1820	25.0	9735	--	7460	4.0	--	--	110
		07-19-79	1630	26.0	9735	--	3870	5.8	13	--	36.5
		07-20-79	1410	25.0	9735	--	3710	5.8	19	--	39.9
		07-21-79	1030	25.0	9735	--	--	4.8	--	--	--
		07-22-79	0900	24.5	9735	--	--	5.6	--	--	--
		07-23-79	0845	25.0	9735	--	3540	5.7	78	--	26.9
		07-25-79	0830	28.0	9735	--	3420	6.8	13	--	23.9
		07-27-79	0900	28.0	9735	--	3340	6.8	83	--	20.0
		07-30-79	2210	20.5	9735	--	3230	6.8	33	--	15.7
		08-02-79	1700	27.0	9735	--	3330	7.1	48	--	13.7
		08-07-79	1630	23.5	9735	--	3600	6.5	55	--	27.4
		08-07-79	1950	22.0	9735	--	--	7.1	--	--	--
		08-07-79	2200	21.5	9735	--	--	7.3	--	--	--
		08-08-79	1940	--	9735	--	3330	--	49	--	16.2
		08-20-79	1730	20.0	9735	--	1210	7.9	160	--	1.40
		09-26-79	1500	24.5	9735	--	1260	8.6	230	--	0.130
		10-02-79	1940	--	9735	--	917	--	--	--	--
		10-23-79	0930	28.0	9735	--	1090	--	210	--	0.400
		11-08-79	1130	--	9735	--	808	7.8	290	--	--
		11-30-79	1200	--	9735	--	1650	8.2	400	--	--
		12-03-79	1510	<1.0	9735	--	1080	8.1	280	--	0.270
		01-08-80	1720	1.5	9735	--	895	--	210	--	0.360
		02-12-80	1745	5.0	9735	--	974	8.1	220	--	0.330
		03-03-80	1655	5.0	9735	--	409	7.8	120	--	0.390
		04-07-80	1925	9.0	9735	--	366	--	820	1	0.095
		05-14-80	1340	18.5	9735	--	1090	8.7	270	--	0.524
		06-09-80	1830	23.0	9735	--	1240	8.5	300	--	0.390
		07-10-80	0945	19.5	9735	--	1210	8.5	--	5	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	NITRO-	NITRO-	NITRO-	HARD-	CALCIUM	MAGNE-	SODIUM,	SODIUM	SODIUM PERCENT (00932)
			GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NESS TOTAL (MG/L AS CACO3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)	AD- SORP- TION RATIO (00931)	
38	353146108444001	04-13-78	--	--	1.09	--	37	--	180	--	--
		10-04-78	--	--	2.91	--	33	--	200	--	--
		01-23-79	--	--	6.62	240	68	17	120	3	52
		05-22-79	--	--	--	170	48	11	130	4	62
		07-16-79	--	--	--	4200	510	710	530	4	21
		07-16-79	--	--	--	4100	500	700	560	4	22
		07-16-79	--	--	7.80	4500	520	770	530	3	20
		07-17-79	--	--	9.51	3100	560	420	320	3	18
		07-19-79	--	--	8.94	2000	560	140	200	2	18
		07-20-79	--	--	9.93	1900	560	120	200	2	18
		07-21-79	--	--	--	--	--	--	--	--	--
		07-22-79	--	--	--	--	--	--	--	--	--
		07-23-79	--	--	8.84	1800	560	100	190	2	18
		07-25-79	--	--	6.92	1700	570	77	190	2	19
		07-27-79	--	--	3.79	1700	570	72	180	2	19
		07-30-79	--	--	2.74	1700	560	80	200	2	20
		08-02-79	--	--	2.58	1700	560	69	210	2	21
		08-07-79	--	--	1.76	2000	530	150	190	2	17
		08-07-79	--	--	--	--	--	--	--	--	--
		08-07-79	--	--	--	--	--	--	--	--	--
		08-08-79	--	--	16.7	1800	570	95	170	2	17
		08-20-79	--	--	1.36	380	120	23	110	2	38
		09-26-79	--	--	3.28	310	92	20	120	3	46
		10-02-79	--	--	--	--	--	--	--	--	--
		10-23-79	--	--	2.43	250	77	14	120	3	51
		11-08-79	--	--	--	--	--	--	--	--	--
		11-30-79	--	--	--	--	--	--	--	--	--
		12-03-79	--	--	1.05	200	62	11	160	5	63
		01-08-80	--	--	0.800	170	52	10	130	4	62
		02-12-80	--	--	1.14	220	64	14	140	4	57
		03-03-80	--	--	0.430	99	30	5.9	51	2	52
		04-07-80	--	--	0.320	85	26	4.9	46	2	54
		05-14-80	--	--	0.191	170	50	11	170	6	68
		06-09-80	--	--	0.490	150	42	10	230	8	77
		07-10-80	0.360	1.04	--	--	--	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	POTAS-	CHLO-	SULFATE	ARSENIC	ARSENIC	BARIUM,	BARIUM,	CADMIUM	CADMIUM
			S-IUM, DIS- SOLVED (MG/L AS K) (00935)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	DIS- SOLVED (UG/L AS AS) (01000)	TOTAL (UG/L AS AS) (01002)	DIS- SOLVED (UG/L AS BA) (01005)	TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	DIS- SOLVED (UG/L AS CD) (01025)	TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
38	35314610844001	04-13-78	5.9	40	160	<5	--	16	--	--	--
		10-04-78	8.6	32	240	6	--	--	--	--	--
		01-23-79	5.5	25	220	<5	--	120	--	--	--
		05-22-79	3.5	45	190	5	--	120	--	--	--
		07-16-79	99	250	6700	160	--	160	200	15	--
		07-16-79	97	260	6600	230	--	150	200	14	--
		07-16-79	94	250	6300	170	--	190	200	25	--
		07-17-79	54	120	6200	53	--	160	200	30	--
		07-19-79	17	50	2000	<5	--	290	--	<1	--
		07-20-79	16	45	2000	<5	--	230	--	2	--
		07-21-79	--	--	--	<5	--	300	--	<1	--
		07-22-79	--	--	--	<5	--	240	--	3	--
		07-23-79	9.0	38	2000	<5	--	250	--	<1	--
		07-25-79	10	41	2100	<5	--	340	--	<1	--
		07-27-79	9.4	40	2000	<5	--	220	--	<1	--
		07-30-79	8.2	39	2100	<5	--	400	--	<1	--
		08-02-79	7.8	66	2000	<5	--	420	--	<1	--
		08-07-79	11	46	2100	<5	--	160	--	<1	--
		08-07-79	--	--	--	<5	--	340	--	<1	--
		08-07-79	--	--	--	<5	--	<100	--	<1	--
		08-08-79	10	39	2100	<5	--	240	--	<1	--
		08-20-79	12	20	440	<5	--	210	--	--	--
		09-26-79	3.1	27	410	<5	37	190	2600	<1	2
		10-02-79	--	--	--	5	--	<100	--	<5	--
		10-23-79	2.7	28	340	6	--	100	--	--	--
		11-08-79	--	30	230	--	--	--	--	--	--
		11-30-79	--	45	500	--	--	--	--	--	--
		12-03-79	2.3	23	280	<5	--	100	--	<1	--
		01-08-80	2.7	38	210	<5	--	<100	--	<1	--
		02-12-80	3.1	25	290	<5	--	100	--	<1	--
		03-03-80	2.0	9.2	80	6	--	<100	--	<1	--
		04-07-80	1.6	11	58	--	170	--	4200	--	1
05-14-80	2.7	29	280	<5	20	<100	300	<1	<1		
06-09-80	4.7	45	340	5	--	110	--	1	--		
07-10-80	--	38	310	--	9	--	400	--	<1		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	IRON,	LEAD,	LEAD,	MOLYB-	MOLYB-	SILVER,	ALUM-	SELE-	SELE-
			DIS- SOLVED (UG/L AS FE) (01046)	DIS- SOLVED (UG/L AS PB) (D1049)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	DENUM, DIS- SOLVED (UG/L AS MO) (01060)	TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	DIS- SOLVED (UG/L AS AG) (01075)	INUM, DIS- SOLVED (UG/L AS AL) (01106)	NIUM, DIS- SOLVED (UG/L AS SE) (D1145)	NIUM, TOTAL (UG/L AS SE) (01147)
38	353146108444001	04-13-78	--	--	--	<10	--	--	--	23	--
		10-04-78	--	--	--	180	--	--	--	26	--
		01-23-79	--	--	--	220	--	--	--	9	--
		05-22-79	--	--	--	51	--	--	--	11	--
		07-16-79	--	<5	--	<10	--	--	--	120	--
		07-16-79	690	8	--	<10	--	--	980	120	--
		07-16-79	1	22	--	<10	--	--	860	120	--
		07-17-79	1	15	--	<10	--	--	220	100	--
		07-19-79	--	<5	--	11	--	<1.0	470	34	--
		07-20-79	3	<5	--	<10	--	<1.0	<50	38	--
		07-21-79	--	<5	--	<10	--	<1.0	<500	36	--
		07-22-79	--	<5	--	<10	--	<1.0	<500	35	--
		07-23-79	--	<5	--	<10	--	<1.0	<500	30	--
		07-25-79	--	<5	--	11	--	--	--	36	--
		07-27-79	--	5	--	17	--	--	<500	18	--
		07-30-79	--	<5	--	31	--	--	<500	40	--
		08-02-79	--	<5	--	92	--	--	<500	41	--
		08-07-79	--	<5	--	<10	--	--	<500	33	--
		08-07-79	--	<5	--	<10	--	--	330	7	--
		08-07-79	--	<5	--	<10	--	--	<500	<5	--
		08-08-79	--	<5	--	52	--	--	<500	32	--
		08-20-79	--	--	--	120	--	--	160	5	--
		09-26-79	--	<5	65	210	100	--	--	26	16
		10-02-79	--	<5	--	250	--	--	--	33	--
		10-23-79	--	<5	--	79	--	--	--	22	--
		11-08-79	--	--	--	--	--	--	--	--	--
		11-30-79	--	--	--	--	--	--	--	--	--
		12-03-79	--	<5	--	41	--	--	--	20	--
		01-08-80	--	<5	--	150	--	--	--	18	--
		02-12-80	--	<5	--	230	--	--	--	23	--
		03-03-80	--	<5	--	33	--	--	--	8	--
		04-07-80	--	--	270	--	<10	--	--	--	<5
		05-14-80	--	<5	8	430	230	--	--	27	10
		06-09-80	--	<5	--	430	--	--	--	28	--
		07-10-80	--	--	6	--	190	--	--	--	13

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	GROSS ALPHA, TOTAL (PCI/L) (01501)	GROSS BETA TOTAL (PCI/L AS CS-137) (03519)	RADIUM 226, TOTAL (PCI/L) (09501)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
38	353146108444001	04-13-78	--	--	--	585	--	--	--	0.02	--
		10-04-78	--	--	--	669	--	--	--	0.09	--
		01-23-79	--	--	--	616	610	0.84	--	0.22	--
		05-22-79	--	--	--	602	526	0.82	--	--	--
		07-16-79	--	--	--	9630	--	--	--	--	--
		07-16-79	--	--	--	22200	--	--	--	--	--
		07-16-79	--	--	--	18800	--	--	--	240	--
		07-17-79	--	--	--	8830	--	--	--	140	--
		07-19-79	--	--	--	3710	3090	5.05	--	47	<0.5
		07-20-79	--	--	--	3590	3050	4.89	--	51	<0.5
		07-21-79	--	--	--	--	--	--	--	--	<0.5
		07-22-79	--	--	--	--	--	--	--	--	<0.5
		07-23-79	--	--	--	3320	3010	4.52	--	35	<0.5
		07-25-79	--	--	--	2660	3040	3.61	--	31	--
		07-27-79	--	--	--	4250	3000	5.78	--	26	--
		07-30-79	--	--	--	3080	2990	4.19	--	20	--
		08-02-79	--	--	--	3100	2970	4.22	--	18	--
		08-07-79	--	--	--	3400	3140	4.63	--	35	--
		08-07-79	--	--	--	--	--	--	--	--	--
		08-07-79	--	--	--	--	--	--	--	--	--
		08-08-79	--	--	--	3150	3100	4.29	--	21	--
		08-20-79	--	--	--	814	807	1.11	--	1.8	--
		09-26-79	--	--	--	875	806	1.19	--	0.17	--
		10-02-79	--	--	--	--	--	--	--	--	--
		10-23-79	--	--	--	740	696	1.01	--	0.52	--
		11-08-79	--	--	--	633	--	--	--	--	--
		11-30-79	--	--	--	1350	--	--	--	--	--
		12-03-79	--	--	--	696	686	0.95	--	0.35	--
		01-08-80	--	--	--	572	554	0.78	--	0.46	--
		02-12-80	--	--	--	682	648	0.93	--	0.42	--
		03-03-80	--	--	--	264	241	0.36	--	0.50	--
		04-07-80	--	--	--	265	551	0.36	--	0.12	--
05-14-80	--	--	--	720	680	0.98	--	0.67	--		
06-09-80	--	--	--	883	828	1.20	--	0.50	--		
07-10-80	--	--	--	--	--	--	--	0.46	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	AGENCY COL- LECTING SAMPLE NUMBER (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	PH (STAND- ARD UNITS) (00400)
38	353146108444001	09-02-80	2030	--	--	9735	--	--	--	1160	--	--
		10-01-80	1300	22.5	--	9735	--	--	--	1070	--	8.6
		11-13-80	1605	10.0	--	9735	--	--	--	1010	--	8.4
		02-17-81	1810	11.0	--	9735	--	--	--	868	--	8.1
		03-31-81	1744	4.5	--	9735	--	--	--	1050	--	8.4
		06-13-81	1145	27.0	--	9735	--	--	--	1180	--	8.8
		10-06-81	1720	18.5	--	9735	--	--	--	959	--	8.0
		01-18-82	1700	0.5	--	9735	--	--	--	829	--	8.5
		03-23-82	1815	9.0	--	9735	--	--	--	722	--	8.1
39	09395500	03-12-75	1155	3.0	--	--	--	--	--	493	--	--
		07-01-75	1600	29.5	--	--	--	1.0	1.0	1030	--	--
		08-05-75	1130	21.5	--	--	--	2.0	2.0	1030	--	--
		08-14-75	--	--	--	--	--	--	--	810	--	--
		08-16-75	--	--	--	--	--	--	--	982	--	--
		09-01-75	--	--	--	--	--	--	--	810	--	7.6
		10-01-75	--	--	--	--	--	--	--	919	--	8.3
		10-16-75	1530	16.5	--	--	--	--	--	1040	--	8.4
		11-01-75	--	--	--	--	--	--	--	903	--	8.2
		12-05-75	--	--	--	--	--	--	--	678	--	7.8
		12-30-75	--	--	--	--	--	--	--	1010	--	7.9
		01-01-76	--	--	--	--	--	--	--	978	--	8.4
		01-04-76	--	--	--	--	--	--	--	587	--	8.9
		02-01-76	--	--	--	--	--	--	--	849	--	8.3
		02-13-76	--	--	--	--	--	--	--	773	--	8.6
		03-01-76	--	--	--	--	--	--	--	1030	--	7.8
		03-14-76	--	--	--	--	--	--	--	850	--	7.9
		04-01-76	--	--	--	--	--	--	--	886	--	8.0
		05-01-76	--	--	--	--	--	--	--	904	--	8.3
		05-12-76	1200	21.5	--	--	1028	--	--	900	--	--
		06-01-76	--	--	--	--	--	--	--	1030	--	8.0
		07-01-76	--	--	--	--	--	--	--	981	--	7.8
		08-01-76	--	--	--	--	--	--	--	832	--	7.5
		09-01-76	--	--	--	--	--	--	--	795	--	7.7
		10-01-76	--	--	--	--	--	--	--	761	--	8.0
		10-06-76	1040	11.0	--	--	1028	--	--	800	--	8.2
		11-01-76	--	--	--	--	--	--	--	808	--	8.0
		12-01-76	--	--	--	--	--	--	--	871	--	8.1
		01-01-77	--	--	--	--	--	--	--	826	--	8.0
		02-01-77	--	--	--	--	--	--	--	841	--	8.1
		02-09-77	--	--	--	--	--	--	--	652	--	8.1
		02-23-77	--	--	--	--	--	--	--	887	--	8.0
		03-01-77	--	--	--	--	--	--	--	962	--	7.7
		04-01-77	--	--	--	--	--	--	--	829	--	7.2
		04-07-77	--	--	--	--	--	--	--	970	--	7.4
		05-01-77	--	--	--	--	--	--	--	1320	--	6.6
		05-07-77	--	--	--	--	--	--	--	964	--	7.2
05-19-77	--	--	--	--	--	--	--	1090	--	6.8		
06-01-77	--	--	--	--	--	--	--	1120	--	8.1		
06-13-77	--	--	--	--	--	--	--	1120	--	8.0		
06-21-77	--	--	--	--	--	--	--	896	--	8.1		
07-17-79	1300	25.0	--	--	1028	--	11	8300	--	3.4		
07-19-79	1350	29.0	--	--	1028	--	11	4300	--	7.2		
12-18-80	1200	3.0	14.0	--	1028	--	4.8	800	100	8.5		
01-07-81	0830	--	6.5	--	--	--	0.76	1100	--	8.4		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	PHOS- PHORUS TOTAL (MG/L AS PO4) (71886)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG) (71895)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	URANIUM DIS- SOLVED, DIRECT FLOURO- METRIC (PCI/L) (80010)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	
38	353146108444001	09-02-80	0.50	--	--	--	--	--	--	--	--	
		10-01-80	0.38	--	--	--	--	--	--	--	--	
		11-13-80	--	--	--	--	--	--	--	--	--	
		02-17-81	0.74	--	--	--	--	--	--	--	--	
		03-31-81	0.24	--	--	--	--	--	--	--	--	
		06-13-81	0.12	--	--	--	--	--	--	--	--	
		10-06-81	0.30	--	--	--	--	--	--	--	--	
		01-18-82	0.27	--	--	--	--	--	--	--	--	
		03-23-82	--	--	--	--	--	--	--	--	--	
		39	09395500	03-12-75	--	--	--	--	--	6480	--	--
07-01-75	--			--	--	--	--	6480	--	--	--	
08-05-75	--			--	--	--	--	6480	--	--	--	
08-14-75	--			--	--	--	--	6480	--	--	--	
08-16-75	--			--	--	--	--	6480	--	--	--	
09-01-75	--			--	--	--	--	6480	230	--	500	
10-01-75	--			--	--	--	--	6480	--	--	--	
10-16-75	--			--	--	--	--	6480	610	--	1200	
11-01-75	--			--	--	--	--	<0.50	6480	--	--	
12-05-75	--			--	--	--	--	<0.50	6480	--	--	
12-30-75	--			--	--	--	--	<0.50	6480	--	--	
01-01-76	--			--	--	--	--	<0.50	6480	--	--	
01-04-76	--			--	--	--	--	<0.50	6480	--	--	
02-01-76	--			--	--	--	--	<0.50	6480	--	--	
02-13-76	--			--	--	--	--	<0.50	6480	--	--	
03-01-76	--			--	--	--	--	<0.50	6480	--	--	
03-14-76	--			--	--	--	--	<0.50	6480	--	--	
04-01-76	--			--	--	--	--	<0.50	6480	930	2800	
05-01-76	--			--	--	--	--	<0.50	6480	--	--	
05-12-76	--			--	--	--	--	--	6480	1500	--	1700
06-01-76	--			--	--	--	--	<0.50	6480	880	--	3500
07-01-76	--			--	--	--	--	--	6480	--	--	--
08-01-76	--			--	--	--	--	--	6480	--	--	--
09-01-76	--			--	--	--	--	--	6480	--	--	--
10-01-76	--			--	--	--	--	--	6480	--	--	--
10-06-76	--			--	--	--	--	<0.50	6480	1200	--	2800
11-01-76	--			--	--	--	--	--	6480	--	--	2100
12-01-76	--			--	--	--	--	<0.50	6480	--	--	--
01-01-77	--			--	--	--	--	--	6480	--	--	--
02-01-77	--			--	--	--	--	--	6480	--	--	--
02-09-77	--			--	--	--	--	--	6480	--	--	--
02-23-77	--			--	--	--	--	--	6480	--	--	--
03-01-77	--			--	--	--	--	--	6480	--	--	--
04-01-77	--			--	--	--	--	--	6480	--	--	--
04-07-77	--			--	--	--	--	--	6480	--	--	--
05-01-77	--			--	--	--	--	--	6480	--	--	--
05-07-77	--	--	--	--	--	--	6480	--	--	--		
05-19-77	--	--	--	--	--	--	6480	--	--	--		
06-01-77	--	--	--	--	--	--	6480	--	--	--		
06-13-77	--	--	--	--	--	--	6480	--	--	3400		
06-21-77	--	--	--	--	--	--	6480	--	--	--		
07-17-79	230	--	--	--	--	--	6480	--	3100	7600		
07-19-79	--	--	--	<0.1	--	--	6480	--	81	<85		
12-18-80	--	--	6.1	--	0.2	0.20	6480	--	800	1100		
01-07-81	--	--	--	--	--	--	6480	--	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	GROSS	GROSS	GROSS	SEDI-		DRAIN-	POTAS-	SPE-	ALKA-
			ALPHA, SUSP. TOTAL (UG/L AS (80040)	BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)				
38	353146108444001	09-02-80	--	--	--	--	--	--	--	--	--
		10-01-80	--	--	--	--	--	--	--	--	--
		11-13-80	--	--	--	--	--	--	--	--	--
		02-17-81	--	--	--	--	--	--	--	--	--
		03-31-81	--	--	--	--	--	--	--	--	--
		06-13-81	--	--	--	--	--	--	--	--	--
		10-06-81	--	--	--	--	--	--	--	--	--
		01-18-82	--	--	--	--	--	--	--	--	--
03-23-82	--	--	--	--	--	--	--	--	--	--	
39	09395500	03-12-75	--	--	--	--	--	558	--	--	--
		07-01-75	--	--	--	--	--	558	--	--	--
		08-05-75	--	--	--	--	--	558	--	--	--
		08-14-75	--	--	--	--	--	558	--	--	--
		08-16-75	--	--	--	--	--	558	--	--	--
		09-01-75	2300	50	850	--	--	558	--	--	--
		10-01-75	--	--	--	--	--	558	--	--	--
		10-16-75	970	110	430	--	--	558	--	--	--
		11-01-75	--	--	--	--	--	558	--	--	--
		12-05-75	--	--	--	--	--	558	--	--	--
		12-30-75	--	--	--	--	--	558	--	--	--
		01-01-76	--	--	--	--	--	558	--	--	--
		01-04-76	--	--	--	--	--	558	--	--	--
		02-01-76	--	--	--	--	--	558	--	--	--
		02-13-76	--	--	--	--	--	558	--	--	--
		03-01-76	--	--	--	--	--	558	--	--	--
		03-14-76	--	--	--	--	--	558	--	--	--
		04-01-76	1700	310	800	--	--	558	--	--	--
		05-01-76	--	--	--	--	--	558	--	--	--
		05-12-76	950	160	330	--	--	558	--	--	--
		06-01-76	1100	130	460	--	--	558	--	--	--
		07-01-76	--	--	--	--	--	558	--	--	--
		08-01-76	--	--	--	--	--	558	--	--	--
		09-01-76	--	--	--	--	--	558	--	--	--
		10-01-76	--	--	--	--	--	558	--	--	--
		10-06-76	1400	390	410	--	--	558	--	--	--
		11-01-76	860	160	480	--	--	558	--	--	--
		12-01-76	--	--	--	--	--	558	--	--	--
		01-01-77	--	--	--	--	--	558	--	--	--
		02-01-77	--	--	--	--	--	558	--	--	--
		02-09-77	--	--	--	--	--	558	--	--	--
		02-23-77	--	--	--	--	--	558	--	--	--
03-01-77	--	--	--	--	--	558	--	--	--		
04-01-77	--	--	--	--	--	558	--	--	--		
04-07-77	--	--	--	--	--	558	--	--	--		
05-01-77	--	--	--	--	--	558	--	--	--		
05-07-77	--	--	--	--	--	558	--	--	--		
05-19-77	--	--	--	--	--	558	--	--	--		
06-01-77	--	--	--	--	--	558	--	--	--		
06-13-77	48	160	280	--	--	558	--	--	--		
06-21-77	--	--	--	--	--	558	--	--	--		
07-17-79	49000	1700	8300	29500	884	558	--	--	--		
07-19-79	17000	31	4100	70100	2100	558	--	--	--		
12-18-80	360	100	290	3360	44	558	2.5	922	180		
01-07-81	--	--	--	--	--	558	--	1150	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)
39	09395500	02-04-81	1145	--	4.5	--	1028	1028	0.37	--	--	--
		04-01-81	0830	5.0	5.0	--	1028	1028	3.2	--	--	--
		05-04-81	1730	20.0	23.0	--	1028	1028	9.6	--	--	--
		05-06-81	1200	18.0	--	--	1028	1028	4.0	--	--	--
		06-02-81	0900	12.0	18.0	--	1028	1028	4.6	--	--	--
		07-08-81	0930	20.0	25.0	--	1028	1028	6.9	--	--	--
		08-05-81	0830	20.0	25.5	--	1028	1028	1.8	--	--	--
		09-03-81	0830	20.0	25.0	--	1028	1028	4.9	--	--	--
		10-08-81	1700	12.0	16.0	--	1028	1028	5.4	--	--	--
		11-19-81	1000	5.0	9.0	--	1028	1028	0.93	--	--	--
		01-12-82	1430	--	-2.0	--	1028	1028	15	--	--	--
		02-17-82	1400	2.0	--	--	1028	1028	48	--	--	--
		03-17-82	0930	7.0	9.0	--	1028	1028	20	--	--	--
		03-17-82	0935	7.0	9.0	--	1028	1028	20	--	--	--
		05-11-82	1800	16.0	17.0	--	1028	1028	8.7	--	--	--
		06-28-82	1700	27.0	29.0	--	1028	1028	3.1	--	--	--
		06-29-82	1535	--	--	--	1028	1028	--	--	--	--
		06-29-82	1540	--	--	--	1028	1028	--	--	--	--
		06-29-82	1545	--	--	--	1028	1028	--	--	--	--
		12-07-82	1700	1.0	9.0	--	1028	1028	22	--	--	--
		12-08-82	0800	--	--	--	1028	1028	22	--	--	--
		03-29-83	1630	12.0	15.0	--	1028	1028	61	--	--	--
		05-12-83	0930	15.0	17.0	--	1028	1028	0.27	2.47	--	--
		08-03-83	1700	29.0	31.5	--	1028	1028	116	2.80	--	--
		11-03-83	1500	14.5	19.0	--	1028	1028	2.1	--	--	--
		03-14-84	1430	14.0	15.0	600	1028	1028	1.5	--	--	--
		05-08-84	1440	24.0	20.0	--	1028	1028	1.6	--	--	--
		07-18-84	1200	24.0	24.0	--	1028	1028	5.1	--	--	--
40	353128108452901	07-16-79	1830	--	--	--	9735	--	--	--	--	--
41	353056108504402	10-04-85	--	--	--	--	1008	1008	--	--	--	--
42	353057108483101	10-04-85	--	--	--	--	1008	1008	--	--	--	--
		03-04-86	--	--	--	--	1008	1008	--	--	--	1700
		03-04-86	0001	--	--	--	1008	1008	--	--	--	1600
43	352926108541501	10-04-85	--	--	--	--	1008	1008	--	--	--	--
44	09395630	08-31-88	1400	17.0	17.5	711	1028	1028	97	--	17000	--
		09-01-88	1635	--	--	--	1028	1028	--	--	--	--
		09-02-88	1000	--	--	--	1028	1028	--	--	--	--
		09-02-88	1810	--	--	--	1028	1028	--	--	--	--
45	352743108563201	03-04-86	0001	--	--	--	1008	1008	--	--	--	1700
46	352649108570401	07-16-79	--	--	--	--	701	701	--	--	--	--
		07-19-79	--	--	--	--	701	701	--	--	--	--
		07-27-79	--	--	--	--	701	701	--	--	--	--
		08-04-79	--	--	--	--	701	701	--	--	--	--
		08-09-79	--	--	--	--	701	701	--	--	--	--
		10-04-85	--	--	--	--	1008	1008	--	--	--	--
47	352336108580010	03-04-86	--	--	--	--	1008	1008	--	--	--	2400
48	352240109022010	07-16-86	--	--	--	--	1008	1008	--	--	--	--
		07-31-87	--	--	--	--	1008	1008	--	--	--	0.04

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	BICAR- BONATE WATER FIELD MG/L AS HCO3 (00450)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
39	09395500	02-04-81	965	--	--	--	8.4	7.7	--	--	--
		04-01-81	1020	--	--	--	8.4	7.6	--	--	--
		05-04-81	955	--	--	160	8.9	7.7	--	3.7	0.18
		05-06-81	--	--	--	--	--	--	--	--	--
		06-02-81	1050	--	--	--	8.4	8.0	--	--	--
		07-08-81	990	--	--	--	8.4	7.6	--	--	--
		08-05-81	1050	--	--	--	8.5	8.1	--	--	--
		09-03-81	925	--	--	--	8.4	8.3	--	--	--
		10-08-81	1050	--	--	--	8.5	--	--	--	--
		11-19-81	760	--	--	79	8.5	8.5	--	3.0	1.3
		01-12-82	950	--	--	--	8.3	7.8	--	--	--
		02-17-82	450	--	--	--	8.0	--	--	--	--
		03-17-82	500	--	--	--	8.0	7.6	--	--	--
		03-17-82	500	--	--	--	8.0	8.5	--	--	--
		05-11-82	1200	--	--	94	8.7	8.4	--	3.7	1.3
		06-28-82	1280	--	--	--	8.5	7.8	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--
		12-07-82	840	--	--	160	8.4	8.4	--	20	18
		12-08-82	--	--	--	--	--	--	--	--	--
		03-29-83	395	--	--	--	8.3	8.1	--	--	--
		05-12-83	1300	--	--	--	8.8	8.6	--	--	--
		08-03-83	--	--	--	<10	7.8	7.7	--	37	36
		11-03-83	950	--	--	47	8.8	8.3	--	3.4	1.5
		03-14-84	1050	8.0	99	--	8.5	8.4	--	--	--
		05-08-84	1000	--	--	--	8.7	8.2	--	--	--
		07-18-84	--	--	--	880	8.1	7.8	--	22	21
		40	353128108452901	07-16-79	9820	--	--	--	3.8	--	--
41	353056108504402	10-04-85	--	--	--	--	--	--	--	--	
42	353057108483101	10-04-85	--	--	--	--	--	--	--	--	
		03-04-86	--	--	--	6.8	--	373	--	--	
		03-04-86	--	--	--	7.0	--	281	--	--	
43	352926108541501	10-04-85	--	--	--	--	--	--	--		
44	09395630	08-31-88	510	8.0	89	--	8.0	7.9	--	1.9	0.46
		09-01-88	--	--	--	--	--	--	--	--	
		09-02-88	--	--	--	--	--	--	--	--	
		09-02-88	--	--	--	--	--	--	--	--	
45	352743108563201	03-04-86	--	--	--	7.1	--	281	--	--	
46	352649108570401	07-16-79	1820	--	--	--	8.2	--	--	--	
		07-19-79	3600	--	--	--	6.0	--	--	--	
		07-27-79	3000	--	--	--	7.8	--	--	--	
		08-04-79	2620	--	--	--	7.7	--	--	--	
		08-09-79	2010	--	--	--	7.8	--	--	--	
		10-04-85	--	--	--	--	--	--	--	--	
47	352336108580010	03-04-86	--	--	--	7.9	--	202	--	--	
48	352240109022010	07-16-86	--	--	--	--	--	--	--	--	
		07-31-87	--	--	--	--	--	167	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)
39	09395500	02-04-81	--	150	5	68	2.6	--	18	260	0.40	--
		04-01-81	--	--	--	--	--	--	--	--	--	--
		05-04-81	--	200	7	72	5.0	--	26	280	0.60	--
		05-06-81	--	--	--	--	--	--	--	--	--	--
		06-02-81	--	--	--	--	--	--	--	--	--	--
		07-08-81	--	--	--	--	--	--	--	--	--	--
		08-05-81	--	160	5	67	6.1	--	18	260	0.90	--
		09-03-81	--	160	6	68	6.0	--	20	260	0.90	--
		10-08-81	--	--	--	--	--	--	--	--	--	--
		11-19-81	--	160	6	71	2.9	--	18	270	0.40	--
		01-12-82	--	--	--	--	--	--	--	--	--	--
		02-17-82	--	--	--	--	--	--	--	--	--	--
		03-17-82	--	77	4	68	2.2	--	11	100	0.40	--
		03-17-82	--	--	--	--	--	--	--	--	--	--
		05-11-82	--	210	7	74	4.0	--	26	340	0.70	--
		06-28-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		12-07-82	--	140	5	67	2.9	--	20	230	0.50	--
12-08-82	--	--	--	--	--	--	--	--	--	--		
03-29-83	--	59	3	59	2.3	--	11	65	0.40	--		
05-12-83	--	230	7	72	4.5	--	29	410	0.80	--		
08-03-83	--	34	1	31	5.3	--	6.3	150	0.70	--		
11-03-83	--	140	5	65	3.6	--	16	220	0.60	--		
03-14-84	--	170	5	66	3.5	--	22	280	0.80	--		
05-08-84	--	210	7	73	3.5	--	22	350	0.70	--		
07-18-84	--	110	4	57	5.1	--	12	230	0.90	--		
40	353128108452901	07-16-79	--	540	4	21	100	--	250	6300	--	--
41	353056108504402	10-04-85	--	--	--	--	--	--	--	340	--	--
42	353057108483101	10-04-85	--	--	--	--	--	--	--	250	--	--
		03-04-86	34	320	--	--	--	12	74	360	--	2.7
		03-04-86	42	310	--	--	--	13	93	360	--	2.6
43	352926108541501	10-04-85	--	--	--	--	--	--	330	--	--	
44	09395630	08-31-88	--	60	2	51	4.1	--	12	140	0.60	--
		09-01-88	--	--	--	--	--	--	--	--	--	--
		09-02-88	--	--	--	--	--	--	--	--	--	--
		09-02-88	--	--	--	--	--	--	--	--	--	--
45	352743108563201	03-04-86	80	310	--	--	--	10	71	380	--	1.9
46	352649108570401	07-16-79	--	3100	62	93	14	--	320	1200	0.95	--
		07-19-79	--	3600	58	91	24	--	49	2400	0.24	--
		07-27-79	--	--	--	--	14	--	130	1900	0.77	--
		08-04-79	--	3400	130	98	9.8	--	45	1500	0.29	--
		08-09-79	--	1800	40	91	3.8	--	35	1200	0.59	--
		10-04-85	--	--	--	--	--	--	--	360	--	--
47	352336108580010	03-04-86	230	280	--	--	--	6.6	19	1400	--	0.8
48	352240109022010	07-16-86	--	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	26	270	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB) (01050)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	
39	09395500	02-04-81	30	--	--	--	--	--	--	--	--	
		04-01-81	--	--	--	--	--	--	--	--	--	
		05-04-81	20	--	110	110	--	--	--	--	--	--
		05-06-81	--	--	--	--	--	--	--	--	--	--
		06-02-81	--	--	--	--	--	--	--	--	--	--
		07-08-81	--	--	--	--	--	--	--	--	--	--
		08-05-81	160	--	--	--	--	--	--	--	--	--
		09-03-81	55	--	--	--	--	--	--	--	--	--
		10-08-81	--	--	--	--	--	--	--	--	--	--
		11-19-81	17	1	15	16	--	--	--	--	--	--
		01-12-82	--	--	--	--	--	--	--	--	--	--
		02-17-82	--	--	--	--	--	--	--	--	--	--
		03-17-82	130	--	--	--	--	--	--	--	--	--
		03-17-82	--	--	--	--	--	--	--	--	--	--
		05-11-82	<9	1	5	6	--	--	--	--	--	--
		06-28-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		12-07-82	5	1	120	120	--	--	--	--	120	--
12-08-82	--	--	--	--	--	--	--	--	--	--	--	
03-29-83	45	--	--	--	--	--	--	--	--	--	--	
05-12-83	12	--	--	--	--	--	--	--	--	--	--	
08-03-83	39	--	--	--	--	--	--	--	--	--	--	
11-03-83	6	<1	--	19	--	--	--	--	--	--	--	
03-14-84	8	--	--	--	--	--	--	--	--	--	--	
05-08-84	30	--	--	--	--	--	--	--	--	--	--	
07-18-84	16	5	--	--	--	--	--	--	--	--	--	
40	353128108452901	07-16-79	--	--	--	--	--	--	--	--	--	
41	353056108504402	10-04-85	--	--	--	2	--	--	--	--	--	
42	353057108483101	10-04-85	--	--	--	3	--	--	--	--	--	
		03-04-86	--	--	--	--	<1	--	--	--	--	
		03-04-86	--	--	--	--	1	--	--	--	--	
43	352926108541501	10-04-85	--	--	--	6	--	--	--	--		
44	09395630	08-31-88	41	<10	--	--	--	2	4	4	<1.0	
		09-01-88	--	--	--	--	--	--	--	--	--	
		09-02-88	--	--	--	--	--	--	--	--	--	
		09-02-88	--	--	--	--	--	--	--	--	--	
45	352743108563201	03-04-86	--	--	--	--	1	--	--	--		
46	352649108570401	07-16-79	<40	<50	--	--	--	440	220	<40	20	
		07-19-79	4700	80	--	--	--	15000	<40	80	<10	
		07-27-79	<40	<10	--	--	--	1700	<40	<10	<10	
		08-04-79	240	83	--	--	--	760	77	8	6.5	
		08-09-79	11	55	--	--	--	700	160	7	7.2	
		10-04-85	--	--	--	2	--	--	--	--	--	
47	352336108580010	03-04-86	--	--	--	--	1	--	--	--		
48	352240109022010	07-16-86	--	--	--	3	27	--	--	--	--	
		07-31-87	--	--	--	--	--	6	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ALPHA, TOTAL (PCI/L) (01501)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-MAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA TOTAL (PCI/L AS CS-137) (03519)	RADIUM 226, TOTAL (PCI/L) (09501)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)
39	09395500	02-04-81	--	--	--	--	--	--	--	--	--	--
		04-01-81	--	--	--	--	--	--	--	--	--	--
		05-04-81	40	--	1400	590	370	690	--	--	--	0.33
		05-06-81	--	--	--	--	--	--	--	--	--	--
		06-02-81	--	--	--	--	--	--	--	--	--	--
		07-08-81	--	--	--	--	--	--	--	--	--	--
		08-05-81	--	--	--	--	--	--	--	--	--	--
		09-03-81	--	--	--	--	--	--	--	--	--	--
		10-08-81	--	--	--	--	--	--	--	--	--	--
		11-19-81	50	--	820	240	280	650	--	--	--	0.18
		01-12-82	--	--	--	--	--	--	--	--	--	--
		02-17-82	--	--	--	--	--	--	--	--	--	--
		03-17-82	--	--	--	--	--	--	--	--	--	--
		03-17-82	--	--	--	--	--	--	--	--	--	--
		05-11-82	60	--	1000	460	220	830	--	--	--	0.16
		06-28-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--
		12-07-82	39	--	620	520	230	600	--	--	--	0.13
		12-08-82	--	--	--	--	--	--	--	--	--	--
		03-29-83	--	--	--	--	--	--	--	--	--	--
		05-12-83	--	--	--	--	--	--	--	--	--	--
		08-03-83	--	--	48	1800	22	1700	--	--	--	0.22
		11-03-83	37	--	1100	82	180	450	--	--	--	0.07
		03-14-84	--	--	--	--	--	--	--	--	--	--
		05-08-84	--	--	--	--	--	--	--	--	--	--
		07-18-84	--	--	--	--	100	1400	--	--	--	0.15
40	353128108452901	07-16-79	--	--	--	--	--	--	--	--	--	--
41	353056108504402	10-04-85	14	300	--	--	--	--	120	0.2	--	--
42	353057108483101	10-04-85	36	770	--	--	--	--	320	--	--	--
		03-04-86	--	12	--	--	--	--	23	1.0	--	--
		03-04-86	--	15	--	--	--	--	25	0.9	--	--
43	352926108541501	10-04-85	18	270	--	--	--	--	130	0.2	--	--
44	09395630	08-31-88	2	--	--	--	--	--	--	--	--	--
		09-01-88	--	--	--	--	11	6.7	--	--	--	--
		09-02-88	--	--	--	--	8.4	4.4	--	--	--	--
		09-02-88	--	--	--	--	--	--	--	--	--	--
45	352743108563201	03-04-86	--	72	--	--	--	--	51	0.7	--	--
46	352649108570401	07-16-79	--	--	--	--	--	--	--	--	3.4	--
		07-19-79	--	--	--	--	--	--	--	--	4.6	--
		07-27-79	--	--	--	--	--	--	--	--	6.6	--
		08-04-79	--	--	--	--	--	--	--	--	4.7	--
		08-09-79	--	--	--	--	--	--	--	--	1.3	--
		10-04-85	13	410	--	--	--	--	110	0.2	--	--
47	352336108580010	03-04-86	--	12	--	--	--	--	26	0.1	--	--
48	352240109022010	07-16-86	--	1700	--	--	--	--	1800	180	--	--
		07-31-87	--	2800	--	--	--	--	2000	--	60	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	RADIUM 228, TOTAL (PCI/L) (11501)	LEAD- 210 WATER WHOLE TOTAL (PCI/L) (17501)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	THORIUM 230 DIS- SOLVED (PCI/L) (26503)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)		
39	09395500	02-04-81	--	--	--	--	--	--	--	603	0.60	0.82		
		04-01-81	--	--	--	--	--	--	--	--	--	--		
		05-04-81	--	--	--	--	--	--	--	--	741	19.2	1.01	
		05-06-81	--	--	--	--	--	--	--	--	--	--	--	
		06-02-81	--	--	--	--	--	--	--	--	--	--	--	
		07-08-81	--	--	--	--	--	--	--	--	--	--	--	
		08-05-81	--	--	--	--	--	--	--	--	634	3.08	0.86	
		09-03-81	--	--	--	--	--	--	--	--	621	8.28	0.84	
		10-08-81	--	--	--	--	--	--	--	--	--	--	--	
		11-19-81	--	--	1000	--	--	--	--	--	641	1.61	0.87	
		01-12-82	--	--	--	--	--	--	--	--	--	--	--	
		02-17-82	--	--	--	--	--	--	--	--	--	--	--	
		03-17-82	--	--	--	--	--	--	--	--	305	16.5	0.42	
		03-17-82	--	--	--	--	--	--	--	--	--	--	--	
		05-11-82	--	--	--	1800	--	--	--	--	795	18.6	1.08	
		06-28-82	--	--	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--	--	--	--	--
		12-07-82	--	--	--	--	1200	--	--	--	574	33.6	0.78	
12-08-82	--	--	--	--	--	--	--	--	--	--	--	--		
03-29-83	--	--	--	--	--	--	--	--	265	43.3	0.36			
05-12-83	--	--	--	--	--	--	--	--	906	0.66	1.23			
08-03-83	--	--	--	26	--	--	--	--	311	97.3	0.42			
11-03-83	--	--	--	1400	--	--	--	--	589	3.34	0.80			
03-14-84	--	--	--	--	--	--	--	--	697	2.82	0.95			
05-08-84	--	--	--	--	--	--	--	--	819	3.54	1.11			
07-18-84	--	--	--	920	--	--	--	--	514	7.08	0.70			
40	353128108452901	07-16-79	--	--	--	--	--	--	14100	--	--	--		
41	353056108504402	10-04-85	<0.5	--	--	--	--	--	909	--	--	--		
42	353057108483101	10-04-85	<0.5	--	--	--	--	--	613	--	--	--		
		03-04-86	--	0.3	--	--	10	320	728	--	--	--		
		03-04-86	--	2.3	--	--	10	293	685	--	--	--		
43	352926108541501	10-04-85	<0.5	--	--	--	--	857	--	--	--			
44	09395630	08-31-88	--	--	--	--	--	--	324	355	84.9	0.44		
		09-01-88	--	--	--	--	--	--	--	--	--	--		
		09-02-88	--	--	--	--	--	--	--	--	--	--		
		09-02-88	--	--	--	--	--	--	--	--	--	--		
45	352743108563201	03-04-86	--	0.5	--	--	60	975	728	--	--			
46	352649108570401	07-16-79	--	--	--	29.7	510	--	2490	--	--	--		
		07-19-79	--	--	--	<0.6	10	--	3710	--	--	--		
		07-27-79	--	--	--	4.0	190	--	3330	--	--	--		
		08-04-79	--	--	--	14.8	160	--	3560	--	--	--		
		08-09-79	--	--	--	11.8	120	--	2020	--	--	--		
		10-04-85	<0.5	--	--	--	--	--	987	--	--	--		
47	352336108580010	03-04-86	--	--	--	--	10	72	1030	--	--			
48	352240109022010	07-16-86	--	--	--	--	10	82100	--	--	--	--		
		07-31-87	--	--	--	--	13	62400	--	--	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SPE- CIFIC CON- DUCT- ANCE LAB	ALKA- LINITY LAB (MG/L AS CACO3)	POLON- IUM-210 TOTAL (PCI/L) (92022)	THORIUM- 230 TOTAL (PCI/L) (92023)	ALKA- LINITY LAB (MG/L AS CACO3)	HARD- NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	BICAR- BONATE IT-FLD (MG/L AS HCO3)	CAR- BONATE IT-FLD (MG/L AS CO3)
			(US/CM) (90095)	(90410)	(92022)	(92023)	(95410)	(95902)	(99440)	(99445)
39	09395500	02-04-81	965	--	--	--	180	--	--	--
		04-01-81	1070	--	--	--	--	--	--	--
		05-04-81	955	250	--	--	--	--	--	--
		05-06-81	--	--	--	--	--	--	--	--
		06-02-81	1290	--	--	--	--	--	--	--
		07-08-81	946	--	--	--	--	--	--	--
		08-05-81	996	200	--	--	--	--	--	--
		09-03-81	957	180	--	--	--	--	--	--
		10-08-81	--	--	--	--	--	--	--	--
		11-19-81	--	200	--	--	--	--	--	--
		01-12-82	910	--	--	--	--	--	--	--
		02-17-82	--	--	--	--	--	--	--	--
		03-17-82	450	130	--	--	--	--	--	--
		03-17-82	469	--	--	--	--	--	--	--
		05-11-82	1190	230	--	--	--	--	--	--
		06-28-82	1320	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
		06-29-82	--	--	--	--	--	--	--	--
		12-07-82	876	185	--	--	--	--	--	--
12-08-82	--	--	--	--	--	--	--	--		
03-29-83	459	147	--	--	--	--	--	--		
05-12-83	1410	260	--	--	--	--	--	--		
08-03-83	468	69	--	--	--	--	--	--		
11-03-83	860	221	--	--	--	--	--	--		
03-14-84	1050	241	--	--	--	--	--	--		
05-08-84	1230	240	--	--	--	--	280	14		
07-18-84	867	135	--	--	--	--	--	--		
40	353128108452901	07-16-79	--	--	--	--	--	--	--	
41	353056108504402	10-04-85	--	--	--	--	--	--	--	
42	353057108483101	10-04-85	--	--	--	--	--	--	--	
		03-04-86	--	--	2	--	--	--	--	
		03-04-86	--	--	1	1	--	--	--	
43	352926108541501	10-04-85	--	--	--	--	--	--		
44	09395630	08-31-88	585	147	--	--	--	--	--	
		09-01-88	--	--	--	--	--	--	--	
		09-02-88	--	--	--	--	--	--	--	
		09-02-88	--	--	--	--	--	--	--	
45	352743108563201	03-04-86	--	--	1	3	--	--		
46	352649108570401	07-16-79	--	--	--	--	--	--	--	
		07-19-79	--	--	--	--	--	--	--	
		07-27-79	--	--	--	--	--	--	--	
		08-04-79	--	--	--	--	--	--	--	
		08-09-79	--	--	--	--	--	--	--	
		10-04-85	--	--	--	--	--	--	--	
47	352336108580010	03-04-86	--	--	--	1	--	--		
48	352240109022010	07-16-86	--	--	--	--	--	--	--	
		07-31-87	--	--	--	--	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	STREAM WIDTH (FT) (00004)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	NUMBER OF SAM- PLING POINTS (COUNT) (00063)
49	352129109023010	07-17-79	0000	--	--	--	--	1028	1028	--	--	--
		07-25-79	0000	--	--	--	--	80415	80415	--	--	--
		10-16-79	0000	--	--	--	--	80415	80415	--	--	--
		02-20-80	--	--	--	--	--	80415	80415	--	--	--
		02-20-80	0000	--	--	--	--	80415	80415	--	--	--
		02-28-80	--	--	--	--	--	1028	1028	--	--	--
		04-08-80	0000	--	--	--	--	80415	80415	--	--	--
		02-20-85	0000	--	--	--	--	80415	80415	--	--	--
		04-26-85	0000	--	--	--	--	80415	80415	--	--	--
		06-11-85	0000	--	--	--	--	702	702	--	--	--
		03-04-86	0000	--	--	--	--	703	703	--	--	--
		07-16-86	--	--	--	--	--	1008	1008	--	--	--
		07-16-86	0000	--	--	--	--	703	703	--	--	--
		07-16-86	0900	--	--	--	--	703	703	--	--	--
		07-31-87	--	--	--	--	--	1008	1008	--	--	--
		07-31-87	0000	--	--	--	--	703	703	--	--	--
		07-31-87	0900	--	--	--	--	703	703	--	--	--
50	352118109024301	07-17-79	0000	--	--	--	--	1028	80415	--	--	--
		09-25-79	0000	--	--	--	--	1028	80415	--	--	--
		10-16-79	0000	--	--	--	--	1028	80415	--	--	--
		02-28-80	0000	--	--	--	--	1028	80415	--	--	--
		04-08-80	0000	--	--	--	--	1028	80415	--	--	--
		02-21-85	1500	--	7.0	--	--	9704	--	--	22	--
		04-26-85	0900	--	2.5	--	--	9704	--	--	--	--
		10-04-85	--	--	--	--	--	1008	1008	--	--	--
51	09395650	08-12-71	1435	--	27.0	--	--	--	--	4.5	--	--
		08-27-71	1445	--	25.0	--	--	--	--	--	--	--
		09-03-71	1130	--	21.5	--	--	--	--	54	--	--
		09-30-71	1840	--	13.0	--	--	--	--	800	--	--
		10-01-71	1440	--	12.0	--	--	--	--	460	--	--
		07-18-72	1745	--	21.0	--	--	--	--	255	--	--
		06-11-85	0000	--	--	--	--	80415	80415	--	--	--
		03-04-86	0000	--	--	--	--	1008	1008	--	--	--
		04-23-87	1100	7.70	19.0	22.0	617	1028	1028	--	2.3	13
52	09395900	09-27-67	1850	--	--	--	--	--	--	3.1	--	--
		08-27-71	1045	--	18.0	--	--	--	--	105	--	--
		10-01-71	1300	--	12.0	--	--	--	--	15	--	--
		07-26-76	1605	--	20.5	--	--	--	--	--	89	--
53	351655109085201	02-28-80	--	--	--	--	--	1028	1028	--	--	--
		02-21-85	1345	--	6.0	--	--	9704	--	--	64	--
		04-24-85	--	--	--	--	--	80415	80415	--	--	--
		04-26-85	1015	--	4.0	--	--	9704	--	--	--	--
54	351654109125201	04-23-87	1400	27.0	22.0	27.5	618	1028	1028	--	40	25
55	09395990	03-04-86	0000	--	--	--	--	1008	1008	--	--	--
56	351655109125601	04-25-85	1245	--	--	--	--	9704	--	--	--	--
57	351611109145410	03-04-86	--	--	--	--	--	1008	1008	--	--	--
58	351245109194501	08-26-87	--	--	--	29.5	--	910	910	--	--	--
		08-04-88	--	--	--	--	--	910	910	--	--	--
59	345502109252901	09-23-75	0945	--	13.0	--	--	9704	--	--	--	--
		10-19-76	1645	--	9.5	--	--	9704	--	--	--	--
		10-18-77	1230	--	--	--	--	9704	--	--	--	--
		08-20-78	1210	--	18.5	--	--	9704	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	SPE- CIFIC COND- UCTANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LITY WAT WH TOT FET MG/L AS CACO3 (00410)	ALKA- LITY, CARBON- ATE FET-FLD (MG/L CACO3) (00430)
49	352129109023010	07-17-79	--	--	--	--	6.1	--	--	--	--	--
		07-25-79	--	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--	--
		02-20-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
		06-11-85	--	2060	10.8	--	8.7	--	--	--	--	390
		03-04-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--	--	--	--
50	352118109024301	07-17-79	--	--	--	--	5.7	--	--	--	--	--
		09-25-79	--	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--	--
		02-21-85	--	819	8.6	--	7.8	--	--	--	457	460
		04-26-85	--	1340	10.7	--	8.0	--	--	--	272	270
		10-04-85	--	--	--	--	--	--	--	--	--	--
51	09395650	08-12-71	--	859	--	--	7.4	--	--	--	170	--
		08-27-71	--	624	--	--	7.2	--	--	--	115	--
		09-03-71	--	677	--	--	7.8	--	--	--	176	--
		09-30-71	--	604	--	--	7.6	--	--	--	99	--
		10-01-71	--	527	--	--	7.5	--	--	--	79	--
		07-18-72	--	844	--	--	7.4	--	--	--	168	--
		06-11-85	--	--	--	--	--	--	--	--	--	--
		03-04-86	2000	--	--	--	7.8	--	--	--	--	--
		04-23-87	--	1330	9.2	124	8.8	--	8.2	--	--	--
52	09395900	09-27-67	--	--	--	--	--	--	--	--	--	--
		08-27-71	--	702	--	--	7.8	--	--	--	188	--
		10-01-71	--	501	--	--	7.5	--	--	--	120	--
		07-26-76	--	430	--	--	7.4	--	--	9.8	126	--
53	351655109085201	02-28-80	--	--	--	--	--	--	--	--	--	--
		02-21-85	--	916	--	--	7.8	--	--	--	886	--
		04-24-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	1270	11.4	--	7.9	--	--	--	243	240
54	351654109125201	04-23-87	--	330	7.0	99	8.3	--	8.5	--	--	--
55	09395990	03-04-86	1200	--	--	--	8.3	--	--	--	--	--
56	351655109125601	04-25-85	--	389	--	--	--	--	--	--	322	8
57	351611109145410	03-04-86	1800	--	--	--	8.5	--	--	--	--	--
58	351245109194501	08-26-87	--	--	--	--	7.9	700	--	--	--	--
		08-04-88	--	--	--	--	--	--	--	--	--	--
59	345502109252901	09-23-75	--	--	--	--	10.1	--	--	--	68	--
		10-19-76	--	--	--	--	9.5	--	--	--	72	--
		10-18-77	--	--	--	--	7.7	--	--	--	86	--
		08-20-78	--	--	--	--	9.4	--	--	--	86	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	BICAR-	CAR-	BICAR-	BICAR-	RESIDUE	NITRO-	NITRO-	NITRO-	PHOS-	PHOS-
			BONATE WATER FIELD MG/L AS HCO3 (00440)	BONATE WATER FIELD MG/L AS CO3 (00445)	BONATE WATER FIELD MG/L AS HCO3 (00450)	BONATE WATER FIELD MG/L AS HCO3 (00453)	TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, NITRATE TOTAL (MG/L AS N) (00620)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
49	352129109023010	07-17-79	--	--	--	--	--	--	--	--	--	--
		07-25-79	--	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--	--
		02-20-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
		06-11-85	--	--	--	--	--	--	--	--	--	--
		03-04-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
07-31-87	--	--	191	--	--	--	--	--	--	--	--	
07-31-87	--	--	--	--	--	--	--	--	--	--	--	
07-31-87	--	--	--	--	--	--	--	--	--	--	--	
50	352118109024301	07-17-79	--	--	--	--	--	--	--	--	--	--
		09-25-79	--	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--	--
		02-21-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
		10-04-85	--	--	--	--	--	--	--	--	--	--
51	09395650	08-12-71	210	--	--	--	--	--	--	1.40	--	--
		08-27-71	140	--	--	--	--	--	--	1.30	0.09	0.030
		09-03-71	210	--	--	--	--	--	--	0.610	0.18	0.060
		09-30-71	120	--	--	--	--	--	--	1.20	0.06	0.020
		10-01-71	96	--	--	--	--	--	--	1.20	0.06	0.020
		07-18-72	210	--	--	--	--	--	--	1.10	0.12	0.040
		06-11-85	--	--	--	--	--	--	--	--	--	--
		03-04-86	--	--	283	--	--	--	6.90	--	--	--
04-23-87	--	--	--	--	848	--	--	--	--	--		
52	09395900	09-27-67	--	--	--	--	--	--	--	--	--	--
		08-27-71	230	--	--	--	--	--	--	0.440	0.25	0.080
		10-01-71	150	--	--	--	--	--	--	0.610	0.15	0.050
		07-26-76	150	--	--	--	--	--	--	0.460	0.12	0.040
53	351655109085201	02-28-80	--	--	--	--	--	--	--	--	--	--
		02-21-85	--	--	--	--	--	--	--	--	--	--
		04-24-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
54	351654109125201	04-23-87	--	--	--	--	9280	--	--	--	--	
55	09395990	03-04-86	--	--	188	--	--	--	0.590	--	--	
56	351655109125601	04-25-85	--	--	--	--	--	--	--	--	--	
57	351611109145410	03-04-86	--	--	295	--	--	--	4.10	--	--	
58	351245109194501	08-26-87	--	--	195	108	--	--	0.600	--	--	--
		08-04-88	--	--	--	--	--	--	--	--	--	--
59	345502109252901	09-23-75	--	--	--	--	--	0.500	--	--	--	--
		10-19-76	--	--	--	--	--	0.220	--	--	--	--
		10-18-77	--	--	--	--	--	0.570	--	--	--	--
		08-20-78	--	--	--	--	--	0.610	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS-	POTAS-	POTAS-	CHLO-	SULFATE	FLUO-	FLUO-	SILICA,
					SOLIUM, DIS- SOLVED (MG/L AS K) (00935)	TOTAL RECOV- ERABLE (MG/L AS K) (00937)	SOLIUM, TOTAL RECOVER- ABLE (MG/L) (00939)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	RIDE, TOTAL (MG/L AS F) (00951)	DIS- SOLVED (MG/L AS SIO2) (00955)
49	352129109023010	07-17-79	--	--	--	--	--	--	--	--	--	--
		07-25-79	--	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--	--
		02-20-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
		06-11-85	--	--	--	--	9.3	130	490	--	1.4	--
		03-04-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
07-31-87	--	--	--	--	--	34	280	--	--	--		
07-31-87	--	--	--	--	--	--	--	--	--	--		
07-31-87	--	--	--	--	--	--	--	--	--	--		
50	352118109024301	07-17-79	--	--	--	--	--	--	--	--	--	--
		09-25-79	--	--	--	--	--	E610	--	--	--	
		10-16-79	--	--	--	--	--	640	--	--	--	
		02-28-80	--	--	--	--	--	330	--	--	--	
		04-08-80	--	--	--	--	--	E100	--	--	--	
		02-21-85	--	--	--	--	39.5	25	220	--	0.6	--
		04-26-85	--	--	--	--	10.7	57	350	--	0.9	--
		10-04-85	--	--	--	--	--	--	360	--	--	--
51	09395650	08-12-71	5	67	5.9	--	--	38	200	1.4	--	12
		08-27-71	3	55	4.9	--	--	14	170	1.2	--	10
		09-03-71	3	56	4.1	--	--	15	150	0.70	--	13
		09-30-71	4	63	3.6	--	--	12	170	0.80	--	7.5
		10-01-71	3	56	3.1	--	--	11	150	0.70	--	5.7
		07-18-72	3	46	6.2	--	--	24	210	0.90	--	11
		06-11-85	--	--	--	--	--	--	--	--	--	--
		03-04-86	--	--	--	8.2	--	96	430	--	1.8	--
04-23-87	--	--	--	--	--	--	--	--	--	--		
52	09395900	09-27-67	--	--	--	--	--	--	--	--	--	--
		08-27-71	2	46	4.5	--	--	28	140	0.40	--	17
		10-01-71	3	54	3.5	--	--	26	94	0.40	--	8.8
		07-26-76	1	35	5.0	--	--	16	81	0.60	--	9.8
53	351655109085201	02-28-80	--	--	--	--	--	--	--	--	--	--
		02-21-85	--	--	--	--	--	18	290	--	--	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
		04-26-85	--	--	--	--	7.4	55	340	--	0.8	--
54	351654109125201	04-23-87	--	--	--	--	--	--	--	--	--	
55	09395990	03-04-86	--	--	--	5.9	--	63	280	--	0.5	--
56	351655109125601	04-25-85	--	--	--	--	7.8	14	49	--	0.3	--
57	351611109145410	03-04-86	--	--	--	5.9	--	130	460	--	1.1	--
58	351245109194501	08-26-87	--	--	--	150	--	25	190	--	0.5	--
		08-04-88	--	--	--	--	--	--	--	--	--	--
59	345502109252901	09-23-75	--	--	--	--	--	--	10	--	--	--
		10-19-76	--	--	--	--	--	4.0	--	--	--	--
		10-18-77	--	--	--	--	--	4.0	4.0	--	--	--
		08-20-78	--	--	--	--	--	4.0	7.0	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH ₄) (71845)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY TOTAL RECOVER- ABLE (UG/L) (71901)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	
49	352129109023010	07-17-79	--	--	--	--	--	--	--	--	--	
		07-25-79	--	--	--	--	--	--	--	--	--	
		10-16-79	--	--	--	--	--	--	--	--	--	
		02-20-80	--	--	--	--	--	--	--	--	--	
		02-20-80	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	
		04-08-80	--	--	--	--	--	--	--	--	--	
		02-20-85	--	--	--	--	--	--	--	--	140	--
		04-26-85	--	--	--	--	--	--	--	--	--	--
		06-11-85	--	--	--	--	--	--	<0.50	--	640	--
		03-04-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-16-86	--	--	--	--	--	--	--	--	--	--
		07-31-87	--	--	--	--	--	--	--	--	--	--
07-31-87	--	--	--	--	--	--	--	--	--	--		
07-31-87	--	--	--	--	--	--	--	--	--	--		
50	352118109024301	07-17-79	--	--	--	--	--	--	--	--	--	
		09-25-79	--	--	--	--	--	--	--	--	--	
		10-16-79	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	
		04-08-80	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	--	--	--	--	--	140	--
		04-26-85	--	--	--	--	--	<0.50	<0.50	--	620	--
		10-04-85	--	--	--	--	--	--	0.50	--	--	--
51	09395650	08-12-71	544	6.61	0.74	--	--	--	6100	--	--	
		08-27-71	403	--	0.55	--	--	--	6100	--	--	
		09-03-71	438	64.1	0.60	--	--	--	6100	--	--	
		09-30-71	385	831	0.52	--	--	--	6100	--	--	
		10-01-71	333	414	0.45	--	--	--	6100	--	--	
		07-18-72	533	367	0.72	--	--	--	6100	--	--	
		06-11-85	--	--	--	--	--	--	6100	640	--	
		03-04-86	--	--	--	--	--	--	6100	--	--	
04-23-87	--	--	--	--	--	--	6100	--	31			
52	09395900	09-27-67	--	--	--	--	--	--	6550	--	--	
		08-27-71	455	129	0.62	--	--	--	6550	--	--	
		10-01-71	308	12.5	0.42	--	--	--	6550	--	--	
		07-26-76	281	67.3	0.38	--	--	--	6550	--	--	
53	351655109085201	02-28-80	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	--	--	--	--	73	--	
		04-24-85	--	--	--	--	--	--	--	500	--	
		04-26-85	--	--	--	--	--	<0.50	<0.50	--	500	--
54	351654109125201	04-23-87	--	--	--	--	--	5970	--	2.6		
55	09395990	03-04-86	--	--	--	--	--	5980	--	--		
56	351655109125601	04-25-85	--	--	--	--	<0.50	<0.50	--	2.0	--	
57	351611109145410	03-04-86	--	--	--	--	--	5920	--	--		
58	351245109194501	08-26-87	--	--	--	--	--	--	--	--	--	
		08-04-88	--	--	--	--	--	--	--	--	--	
59	345502109252901	09-23-75	--	--	--	0.64	--	--	--	--	--	
		10-19-76	--	--	--	0.28	1.4	--	--	--	--	
		10-18-77	--	--	--	0.73	--	--	--	--	--	
		08-20-78	--	--	--	0.79	--	--	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	STREAM WIDTH (FT) (00004)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE (G/M) (00058)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	
60	351041109271501	07-17-79	0000	--	--	--	--	1028	80415	--	--	--	
		10-16-79	0000	--	--	--	--	1028	80415	--	--	--	
		10-25-79	0000	--	--	--	--	1028	80415	--	--	--	
		02-28-80	--	--	--	--	--	1028	1028	--	--	--	
		02-28-80	0000	--	--	--	--	1028	80415	--	--	--	
		04-08-80	0000	--	--	--	--	1028	80415	--	--	--	
		02-21-85	1145	--	--	4.0	--	--	9704	--	--	--	--
		04-25-85	1045	--	--	12.0	--	--	9704	--	--	--	--
61	09396100	05-18-82	1330	--	24.0	--	--	1028	1028	--	--	0.04	
		07-29-82	1430	--	25.5	26.0	--	1028	1028	--	--	388	
		08-24-82	1245	--	22.0	27.0	--	1028	1028	--	--	1920	
		01-17-83	1615	--	6.0	--	--	1028	1028	--	--	79	
		03-16-83	1700	--	13.0	--	--	1028	1028	--	--	291	
		08-15-83	1615	--	24.0	--	--	1028	1028	--	--	39	
		12-07-83	1730	--	2.0	5.0	627	1028	1028	--	--	6.7	
		01-19-84	1700	--	--	0.5	623	1028	1028	--	--	2.3	
		03-07-84	1430	--	12.0	13.0	625	1028	1028	--	--	4.2	
		03-28-84	1500	--	9.5	5.0	622	1028	1028	--	--	60	
		08-01-84	--	--	--	--	--	1028	1028	--	--	--	
		08-01-84	1430	--	30.0	31.5	625	1028	1028	--	--	4.4	
		09-06-84	--	--	--	--	--	1028	1028	--	--	--	
		09-06-84	1315	--	28.5	24.5	626	1028	1028	--	--	3.0	
		02-20-85	--	--	--	--	--	1028	1028	--	--	--	
		04-25-85	--	--	--	--	--	1028	1028	--	--	--	
		08-10-88	1705	--	--	--	--	1028	1028	--	--	--	
		08-10-88	1705	--	--	--	--	1028	1028	--	--	5.0	
08-11-88	1400	--	--	--	--	1028	1028	--	--	--			
08-11-88	1700	--	--	--	--	1028	1028	--	--	--			
09-27-88	1200	--	--	--	--	1028	1028	--	--	--			
62	350928109292801	08-31-87	--	--	--	27.0	--	910	910	--	--	--	
		08-04-88	--	--	--	--	--	910	910	0.2	--	--	
63	345844109473901	02-28-80	--	--	--	--	1028	1028	--	--	--	--	
		02-21-85	0945	--	4.0	--	--	9704	--	--	--	--	
		04-25-85	0900	--	12.0	--	--	9704	--	--	--	--	
64	09394500	05-10-71	1630	--	14.0	--	--	--	--	--	118	--	
		05-13-71	1230	--	--	--	--	--	--	--	4.8	--	
		08-06-71	1245	--	18.5	--	--	--	--	--	1280	--	
		09-21-71	0950	--	--	--	--	--	--	--	6000	--	
		05-15-74	1340	--	22.5	--	--	--	--	--	--	3.5	
		02-27-82	1130	--	7.0	--	--	1028	1028	--	--	29	
		08-10-88	1705	--	--	--	--	1028	1028	--	--	--	
		08-11-88	1500	--	--	--	--	1028	1028	--	--	--	
		08-11-88	1525	--	--	--	--	1028	1028	--	--	--	
		08-30-88	1445	48.0	19.0	35.5	--	1028	1028	--	--	249	
09-30-88	1200	--	--	--	--	1028	1028	--	--	--			
65	344931110035000	05-15-74	1640	--	23.5	--	--	--	--	--	--	2.5	
66	345313110035000	05-15-74	1745	--	20.5	--	--	--	--	--	--	4.0	
		09-25-79	0000	--	--	--	--	1028	1028	--	--	--	
		10-16-79	0000	--	--	--	--	1028	80415	--	--	--	
67	345313110035001	02-28-80	--	--	--	--	1028	1028	--	--	--		
68	345258110062801	07-18-73	1715	--	24.5	--	--	9704	--	--	--	--	
		07-25-73	1135	--	23.5	--	--	9704	--	--	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	NUMBER OF SAM- PLING POINTS (COUNT) (00063)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	PH (STAND- ARD UNITS) (00400)	
60	351041109271501	07-17-79	--	--	--	--	--	--	--	--	--	--	
		10-16-79	--	--	--	--	--	--	--	--	--	--	
		10-25-79	--	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	--	
		04-08-80	--	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	--	--	--	658	10.6	--	--	7.9
04-25-85	--	--	--	--	--	--	546	8.7	--	--	7.6		
61	09396100	05-18-82	--	--	--	--	--	1220	--	--	--	8.7	
		07-29-82	--	--	--	--	--	930	--	--	--	--	
		08-24-82	--	--	--	--	--	--	--	--	--	--	
		01-17-83	--	--	--	--	--	--	--	--	--	--	
		03-16-83	--	--	--	--	--	400	--	--	--	--	
		08-15-83	--	--	--	--	--	914	--	--	--	--	
		12-07-83	--	--	3400	--	--	--	11.2	--	--	--	8.1
		01-19-84	--	1.02	290	--	--	1230	11.5	97	--	--	8.5
		03-07-84	--	1.21	450	--	--	1190	8.4	96	--	--	8.4
		03-28-84	--	1.36	6400	--	--	1180	8.2	88	--	--	8.4
		08-01-84	--	--	--	--	1850	1910	5.0	--	--	--	8.1
		08-01-84	--	--	120	--	--	1850	5.0	82	--	--	8.1
		09-06-84	--	--	--	--	810	--	6.0	--	--	--	8.7
		09-06-84	--	--	150	--	--	810	6.0	95	--	--	8.7
		02-20-85	--	--	--	--	245	658	10.6	--	--	--	7.9
		04-25-85	--	--	--	--	240	546	8.7	--	--	--	7.6
08-10-88	--	--	--	--	--	--	--	--	--	--	--		
08-10-88	--	--	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--	--	--		
09-27-88	--	--	--	--	--	--	--	--	--	--	--		
62	350928109292801	08-31-87	--	--	--	--	--	--	--	--	--	8.2	
		08-04-88	--	--	--	--	--	--	--	--	--	--	
63	345844109473901	02-28-80	--	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	--	--	725	10.6	--	--	7.9	
		04-25-85	--	--	--	--	--	735	8.9	--	--	8.2	
64	09394500	05-10-71	--	--	--	--	--	773	--	--	--	7.7	
		05-13-71	--	--	--	--	--	525	--	--	--	8.1	
		08-06-71	--	--	--	--	--	555	--	--	--	7.9	
		09-21-71	--	--	--	--	--	357	--	--	--	8.5	
		05-15-74	--	--	--	--	--	524	--	--	--	8.5	
		02-27-82	--	--	--	20	--	120	9.7	--	73	--	8.9
		08-10-88	--	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	--	
		08-30-88	9	6.66	5500	--	--	325	--	--	--	--	9.0
09-30-88	--	--	--	--	--	--	--	--	--	--			
65	344931110035000	05-15-74	--	--	--	--	--	542	--	--	--	8.4	
66	345313110035000	05-15-74	--	--	--	--	--	1840	--	--	--	8.2	
		09-25-79	--	--	--	--	--	--	--	--	--		
		10-16-79	--	--	--	--	--	--	--	--	--		
67	345313110035001	02-28-80	--	--	--	--	--	--	--	--			
68	345258110062801	07-18-73	--	--	--	--	--	1280	--	--	--		
		07-25-73	--	--	--	--	--	840	--	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SPE- CIFIC COND- UCTANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY, CARBON- ATE FET-FLD (MG/L CACO3) (00430)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	BICAR- BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	
60	351041109271501	07-17-79	--	--	--	--	--	--	--	--	--	--	
		10-16-79	--	--	--	--	--	--	--	--	--	--	
		10-25-79	--	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	--	
		04-08-80	--	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	--	805	800	--	--	--	--	--
		04-25-85	--	--	--	--	416	420	--	--	--	--	--
61	09396100	05-18-82	--	--	--	--	--	--	--	--	--	--	
		07-29-82	--	--	--	--	--	--	--	--	--	--	
		08-24-82	--	--	--	--	--	--	--	--	--	--	
		01-17-83	--	--	--	--	--	--	--	--	--	--	
		03-16-83	--	--	--	--	--	--	--	--	--	--	
		08-15-83	--	--	--	--	--	--	--	--	--	--	
		12-07-83	--	8.1	--	186	--	--	--	--	--	--	3180
		01-19-84	--	--	--	256	--	--	--	--	--	--	308
		03-07-84	--	--	--	233	--	--	--	--	--	--	1620
		03-28-84	--	--	--	280	--	--	--	--	--	--	21800
		08-01-84	--	7.6	--	--	--	--	--	--	--	--	--
		08-01-84	--	7.6	--	191	--	--	--	--	--	--	74200
		09-06-84	--	--	--	--	--	--	--	--	--	--	--
		09-06-84	--	--	--	136	--	--	--	--	--	--	16500
		02-20-85	--	--	--	--	--	800	--	--	--	--	--
		04-25-85	--	--	--	--	--	420	--	--	--	--	--
08-10-88	--	--	--	--	--	--	--	--	--	--	--		
08-10-88	--	--	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--	--	--		
09-27-88	--	--	--	--	--	--	--	--	--	--	--		
62	350928109292801	08-31-87	1000	--	--	--	--	--	--	271	--	--	
		08-04-88	--	--	--	--	--	--	--	--	--	--	
63	345844109473901	02-28-80	--	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	1100	1100	--	--	--	--	--	
		04-25-85	--	--	--	527	530	--	--	--	--	--	
64	09394500	05-10-71	--	--	--	120	--	150	--	--	--	--	
		05-13-71	--	--	--	205	--	250	--	--	--	--	
		08-06-71	--	--	--	--	--	160	--	--	--	--	
		09-21-71	--	--	--	122	--	130	9	--	--	--	
		05-15-74	--	--	1.1	179	--	210	4	--	--	--	
		02-27-82	--	7.7	--	--	--	--	--	--	593	395	
		08-10-88	--	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	--	
		08-30-88	--	8.8	--	--	--	--	--	--	--	--	
09-30-88	--	--	--	--	--	--	--	--	--	--			
65	344931110035000	05-15-74	--	--	1.4	181	--	210	4	--	--		
66	345313110035000	05-15-74	--	--	2.2	176	--	210	--	--	--		
		09-25-79	--	--	--	--	--	--	--	--	--		
		10-16-79	--	--	--	--	--	--	--	--	--		
67	345313110035001	02-28-80	--	--	--	--	--	--	--	--			
68	345258110062801	07-18-73	--	--	--	200	--	--	--	--	--		
		07-25-73	--	--	--	172	--	--	--	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CAC03 (00902)	CALCIUM TOTAL (MG/L AS CAC03) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOVER -ABLE (MG/L) (00918)	MAGNE- SIUM, TOTAL RECOVER -ABLE (MG/L) (00921)	SODIUM, TOTAL RECOVER -ABLE (MG/L) (00923)
60	351041109271501	07-17-79	--	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--	--
		10-25-79	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--	--
		02-21-85	--	--	--	2500	1600	--	--	840	81	110
		04-25-85	--	--	--	950	530	--	--	310	43	73
61	09396100	05-18-82	--	--	--	--	--	--	--	--	--	--
		07-29-82	--	--	--	--	--	--	--	--	--	--
		08-24-82	--	--	--	--	--	--	--	--	--	--
		01-17-83	--	--	--	--	--	--	--	--	--	--
		03-16-83	--	--	--	--	--	--	--	--	--	--
		08-15-83	--	--	--	--	--	--	--	--	--	--
		12-07-83	--	--	--	--	--	--	--	--	--	--
		01-19-84	--	--	--	--	--	--	--	--	--	--
		03-07-84	--	--	--	--	--	--	--	--	--	--
		03-28-84	--	--	--	--	--	--	--	--	--	--
		08-01-84	--	--	--	--	--	--	--	--	--	--
		08-01-84	--	--	--	--	--	--	--	--	--	--
		09-06-84	--	--	--	--	--	--	--	--	--	--
		09-06-84	--	--	--	--	--	--	--	--	--	--
		02-20-85	--	--	--	2500	--	840	--	--	--	--
		04-25-85	--	--	--	950	--	310	--	--	--	--
08-10-88	--	--	--	--	--	--	--	--	--	--		
08-10-88	--	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--	--		
09-27-88	--	--	--	--	--	--	--	--	--	--		
62	350928109292801	08-31-87	--	--	--	--	--	7.9	--	--	--	
		08-04-88	--	--	--	--	--	--	--	--	--	
63	345844109473901	02-28-80	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	3100	1800	--	--	1000	87	120
		04-25-85	--	--	--	1200	580	--	--	370	47	110
64	09394500	05-10-71	--	--	0.030	130	6	--	37	--	--	
		05-13-71	--	--	0.010	210	7	--	42	--	--	
		08-06-71	--	--	--	19	--	--	6.5	--	--	
		09-21-71	--	--	0.080	10	--	--	3.4	--	--	
		05-15-74	--	--	0.020	200	21	--	39	--	--	
		02-27-82	0.260	--	--	62	--	--	21	--	--	
		08-10-88	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	
		08-30-88	3.00	0.220	0.110	--	--	--	--	--	--	
09-30-88	--	--	--	--	--	--	--	--	--			
65	344931110035000	05-15-74	--	--	<0.010	210	25	--	38	--	--	
66	345313110035000	05-15-74	--	--	<0.010	350	170	--	80	--	--	
		09-25-79	--	--	--	--	--	--	--	--	--	
		10-16-79	--	--	--	--	--	--	--	--	--	
67	345313110035001	02-28-80	--	--	--	--	--	--	--	--		
68	345258110062801	07-18-73	--	--	--	360	--	--	98	--	--	
		07-25-73	--	--	--	270	--	--	70	--	--	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L) (00939)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	
60	351041109271501	07-17-79	--	--	--	--	--	--	--	--	--	--	
		10-16-79	--	--	--	--	--	--	--	--	--	280	
		10-25-79	--	--	--	--	--	--	--	--	--	620	
		02-28-80	--	--	--	--	--	--	--	--	--	--	
		02-28-80	--	--	--	--	--	--	--	--	--	--	120
		04-08-80	--	--	--	--	--	--	--	--	--	--	100
		02-21-85	--	--	--	--	--	--	--	--	60.8	19	340
		04-25-85	--	--	--	--	--	--	--	--	8.7	23	98
61	09396100	05-18-82	--	--	--	--	--	--	--	--	--	--	
		07-29-82	--	--	--	--	--	--	--	--	--	--	
		08-24-82	--	--	--	--	--	--	--	--	--	--	
		01-17-83	--	--	--	--	--	--	--	--	--	--	
		03-16-83	--	--	--	--	--	--	--	--	--	--	
		08-15-83	--	--	--	--	--	--	--	--	--	--	
		12-07-83	--	--	--	--	--	--	--	--	--	--	
		01-19-84	--	--	--	--	--	--	--	--	--	--	
		03-07-84	--	--	--	--	--	--	--	--	--	--	
		03-28-84	--	--	--	--	--	--	--	--	--	--	
		08-01-84	--	--	--	--	--	--	--	--	--	--	
		08-01-84	--	--	--	--	--	--	--	--	--	--	
		09-06-84	--	--	--	--	--	--	--	--	--	--	
		09-06-84	--	--	--	--	--	--	--	--	--	--	
		02-20-85	--	81	87	--	--	--	61	--	19	340	
		04-25-85	--	43	73	--	--	--	8.7	--	23	98	
08-10-88	--	--	--	--	--	--	--	--	--	--			
08-10-88	--	--	--	--	--	--	--	--	--	--			
08-11-88	--	--	--	--	--	--	--	--	--	--			
08-11-88	--	--	--	--	--	--	--	--	--	--			
09-27-88	--	--	--	--	--	--	--	--	--	--			
62	350928109292801	08-31-87	--	0.97	190	--	--	--	3.3	--	59	99	
		08-04-88	--	--	--	--	--	--	--	--	--	--	
63	345844109473901	02-28-80	--	--	--	--	--	--	--	--	--	--	
		02-21-85	--	--	--	--	--	--	--	--	22	160	
		04-25-85	--	--	--	--	--	--	--	10.7	35	160	
64	09394500	05-10-71	8.0	--	110	4	65	3.2	--	--	55	170	
		05-13-71	26	--	30	0.9	23	4.5	--	--	22	59	
		08-06-71	0.60	--	110	11	92	1.6	--	--	--	110	
		09-21-71	0.40	--	82	11	94	1.6	--	--	29	55	
		05-15-74	25	--	34	1	26	4.3	--	--	30	65	
		02-27-82	2.4	--	--	--	--	--	--	--	3.6	8.0	
		08-10-88	--	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	--	--	
		08-30-88	--	--	--	--	--	--	--	--	19	30	
09-30-88	--	--	--	--	--	--	--	--	--	--			
65	344931110035000	05-15-74	27	--	35	1	26	5.0	--	--	25	63	
66	345313110035000	05-15-74	36	--	240	6	60	5.5	--	--	360	160	
		09-25-79	--	--	--	--	--	--	--	--	--	1600	
		10-16-79	--	--	--	--	--	--	--	--	--	1800	
67	345313110035001	02-28-80	--	--	--	--	--	--	--	--	--		
68	345258110062801	07-18-73	28	--	210	5	--	--	--	--	340	93	
		07-25-73	24	--	120	3	--	--	--	--	130	350	

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RADIUM 228, TOTAL (PCI/L) (11501)	LEAD- 210 WATER WHOLE TOTAL (PCI/L) (17501)	LEAD 210 DIS- SOLVED (PCI/L) (17503)	POLO- NIUM 210 DIS- SOLVED (PCI/L) (19503)	URANIUM -238 WATER (PCI/L) (22603)	URANIUM -234 WATER (PCI/L) (22610)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	THORIUM 230 DIS- SOLVED (PCI/L) (26503)
60	351041109271501	07-17-79	--	--	--	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--	--	--	--
		10-25-79	--	--	--	--	--	--	--	--	--
		02-28-80	--	<2.0	--	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--	--	--	--
		02-21-85	--	--	25	--	--	--	--	--	--
		04-25-85	--	--	11	--	--	--	--	--	0.4
61	09396100	05-18-82	--	--	--	--	--	--	--	--	--
		07-29-82	--	--	--	--	--	--	--	--	--
		08-24-82	--	--	--	--	--	--	--	--	--
		01-17-83	--	--	--	--	--	--	--	--	--
		03-16-83	--	--	--	--	--	--	--	--	--
		08-15-83	--	--	--	--	--	--	--	36	--
		12-07-83	--	--	--	--	--	--	--	--	--
		01-19-84	--	--	--	--	--	--	--	--	--
		03-07-84	--	--	--	--	--	--	--	--	--
		03-28-84	--	--	--	--	--	--	--	--	--
		08-01-84	--	--	--	--	--	--	--	--	--
		08-01-84	--	--	--	--	--	--	--	--	--
		09-06-84	--	--	--	--	--	--	--	--	--
		09-06-84	--	--	--	--	--	--	--	--	--
		02-20-85	--	--	25	0.7	0.4	--	--	--	--
04-25-85	--	--	11	0.2	0.1	--	--	--	0.4		
08-10-88	--	--	--	--	--	--	--	--	--		
08-10-88	--	--	--	--	--	5.4	7.1	--	--		
08-11-88	--	--	--	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--	--	--	--		
09-27-88	--	--	--	--	--	--	--	--	--		
62	350928109292801	08-31-87	--	--	--	--	--	--	--	--	
		08-04-88	--	--	--	--	--	--	--	--	
63	345844109473901	02-28-80	--	--	--	--	--	--	--	--	
		02-21-85	--	--	26	--	0.1	--	--	0.1	
		04-25-85	--	--	16	0.1	--	--	--	--	
64	09394500	05-10-71	--	--	--	--	--	--	--	--	
		05-13-71	--	--	--	--	--	--	--	--	
		08-06-71	--	--	--	--	--	--	--	--	
		09-21-71	--	--	--	--	--	--	--	--	
		05-15-74	--	--	--	--	--	--	--	--	
		02-27-82	--	--	--	--	--	--	--	--	
		08-10-88	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	
		08-11-88	--	--	--	--	--	--	--	--	
		08-30-88	--	--	--	--	--	0.90	1.2	--	--
09-30-88	--	--	--	--	--	--	--	--	--		
65	344931110035000	05-15-74	--	--	--	--	--	--	--		
66	345313110035000	05-15-74	--	--	--	--	--	--	--		
		09-25-79	--	--	--	--	--	--	--		
		10-16-79	--	--	--	--	--	--	--		
67	345313110035001	02-28-80	--	--	--	--	--	--			
68	345258110062801	07-18-73	--	--	--	--	--	--	--		
		07-25-73	--	--	--	--	--	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TEMPER-	SPE-	ALKA-	POLON-	THORIUM-	HARD-
			ATURE	CIFIC	LINITY		IUM-	NESS
			AREA	CON-	LAB	TOTAL	TOTAL	NONCARB
			WTD AVE	DUCT-	(MG/L	(PCI/L)	(PCI/L)	TOT LAB
			(DEG C)	ANCE	AS	(92022)	(92023)	MG/L AS
			(90010)	LAB	CACO3)			CACO3
				(90095)	(90410)			(95902)
60	351041109271501	07-17-79	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--
		10-25-79	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--
		02-28-80	--	--	--	--	--	--
		04-08-80	--	--	--	--	--	--
		02-21-85	4.0	--	--	36	45	--
		04-25-85	12.0	--	--	10	14	--
61	09396100	05-18-82	--	--	--	--	--	--
		07-29-82	--	930	--	--	--	--
		08-24-82	--	--	--	--	--	--
		01-17-83	--	--	--	--	--	--
		03-16-83	--	--	--	--	--	--
		08-15-83	--	--	--	--	--	--
		12-07-83	--	872	--	--	--	--
		01-19-84	--	--	--	--	--	--
		03-07-84	--	--	--	--	--	--
		03-28-84	--	--	--	--	--	--
		08-01-84	30.0	--	--	--	--	--
		08-01-84	--	1910	--	--	--	--
		09-06-84	28.5	--	--	--	--	--
		09-06-84	--	--	--	--	--	--
		02-20-85	4.0	--	--	36	45	--
		04-25-85	12.0	--	--	10	14	--
		08-10-88	--	--	--	--	--	--
08-10-88	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--		
08-11-88	--	--	--	--	--	--		
09-27-88	--	--	--	--	--	--		
62	350928109292801	08-31-87	26.0	--	--	--	--	--
		08-04-88	--	--	--	--	--	--
63	345844109473901	02-28-80	--	--	--	--	--	--
		02-21-85	4.0	--	--	40	78	--
		04-25-85	11.9	--	--	13	21	--
64	09394500	05-10-71	--	--	--	--	--	--
		05-13-71	--	--	--	--	--	--
		08-06-71	--	--	--	--	--	--
		09-21-71	--	--	--	--	--	--
		05-15-74	--	--	--	--	--	--
		02-27-82	--	147	50	--	--	12
		08-10-88	--	--	--	--	--	--
		08-11-88	--	--	--	--	--	--
		08-11-88	--	--	--	--	--	--
		08-30-88	--	365	145	--	--	--
09-30-88	--	--	--	--	--	--		
65	344931110035000	05-15-74	--	--	--	--	--	--
66	345313110035000	05-15-74	--	--	--	--	--	--
		09-25-79	--	--	--	--	--	--
		10-16-79	--	--	--	--	--	--
67	345313110035001	02-28-80	--	--	--	--	--	
68	345258110062801	07-18-73	--	--	--	--	--	--
		07-25-73	--	--	--	--	--	--

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	TIME	STREAM WIDTH (FT) (00004)	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	NUMBER OF SAM- PLING POINTS (COUNT) (00063)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)		
69	345348110070601	02-20-85	1600	--	9.0	9704	--	--	--	--	--	770		
		04-24-85	1500	--	22.5	9704	--	--	--	--	--	694		
70	09397000	05-13-71	1010	--	--	--	--	4.1	--	--	--	1580		
		08-16-71	1740	--	23.5	--	--	46	--	--	--	268		
		09-30-71	0800	--	10.0	--	--	--	--	--	--	510		
		10-06-71	1805	--	14.0	--	--	68	--	--	--	887		
		10-30-71	0800	--	10.0	--	--	--	--	--	--	510		
		05-14-74	1145	--	23.0	--	--	--	3.6	--	--	1840		
		12-20-78	1000	--	--	--	--	--	9800	--	--	--		
		01-18-79	1035	--	3.0	--	--	--	7280	--	--	--		
		02-16-79	1630	--	9.0	--	--	--	1060	--	--	--		
		03-09-79	1400	--	17.0	--	--	--	700	--	--	--		
		03-16-79	1515	--	--	--	--	--	415	--	--	--		
		03-29-79	1325	--	3.0	--	--	--	858	--	--	--		
		71	09397100	12-20-78	1700	--	--	--	--	--	E25	--	--	--
				01-20-80	1105	--	33.0	1028	1028	--	--	--	--	--
02-16-80	1035			--	36.0	1028	1028	--	--	--	--	--		
02-17-80	1020			--	43.0	1028	1028	--	--	--	--	--		
02-17-80	1525			--	--	1028	1028	--	--	--	--	--		
02-20-80	1715			--	34.0	1028	1028	--	--	--	--	--		
02-21-80	1500			--	--	1028	1028	--	--	--	--	--		
02-24-80	0835			--	35.0	1028	1028	--	--	--	--	--		
02-12-82	1730			--	--	1028	1028	--	--	--	--	--		
08-26-82	1515			--	20.0	1028	1028	--	2200	--	--	--		
08-26-82	1720			--	20.0	1028	1028	--	2200	--	--	--		
01-18-83	1730			--	--	1028	1028	--	184	--	--	--		
02-10-83	1300			--	8.5	1028	1028	--	19	--	--	--		
07-25-83	1700			--	--	1028	1028	--	55	--	--	--		
03-29-84	1000			--	--	1028	1028	--	6.1	--	--	--		
07-18-84	1130			--	--	1028	1028	--	--	--	--	--		
08-27-84	1300			--	--	1028	1028	--	--	--	--	--		
07-16-85	1400			--	--	1028	1028	--	E7.0	1	--	840		
09-19-85	1150	74.0	15.5	1028	1028	--	359	14	6.95	--				
09-19-85	1210	74.0	15.5	1028	1028	--	359	14	6.95	--				
72	09397300	08-02-88	1725	194	22.0	1028	1028	--	1200	12	3.55	1480		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL RECOVER -ABLE (MG/L) (00939)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)		
69	345348110070601	02-20-85	--	81.0	26	190	--	0.7	--	<2	720	--		
		04-24-85	--	12.6	34	140	--	0.6	--	3	99	--		
70	09397000	05-13-71	4.7	--	350	150	0.30	--	13	--	--	--		
		08-16-71	3.8	--	9.0	29	0.60	--	8.9	--	--	--		
		09-30-71	1.1	--	--	82	--	--	--	--	--	--		
		10-06-71	3.2	--	84	180	0.60	--	9.8	--	--	--		
		10-30-71	1.1	--	--	82	--	--	--	--	--	--		
		05-14-74	5.6	--	370	170	0.30	--	12	--	--	--		
		12-20-78	--	--	--	--	--	--	--	--	--	--		
		01-18-79	--	--	--	--	--	--	--	--	--	--		
		02-16-79	--	--	--	--	--	--	--	--	--	--		
		03-09-79	--	--	--	--	--	--	--	--	--	--		
		03-16-79	--	--	--	--	--	--	--	--	--	--		
		03-29-79	--	--	--	--	--	--	--	--	--	--		
		71	09397100	12-20-78	--	--	--	--	--	--	--	--	--	--
				01-20-80	--	--	--	--	--	--	--	--	--	--
				02-16-80	--	--	--	--	--	--	--	--	--	--
02-17-80	--			--	--	--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--	--	--		
02-20-80	--			--	--	--	--	--	--	--	--	--		
02-21-80	--			--	--	--	--	--	--	--	--	--		
02-24-80	--			--	--	--	--	--	--	--	--	--		
02-12-82	--			--	--	--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--	--	--		
01-18-83	--			--	--	--	--	--	--	--	--	--		
02-10-83	--			--	--	--	--	--	--	--	--	--		
07-25-83	--			--	--	--	--	--	--	--	--	--		
03-29-84	--			--	--	--	--	--	--	--	--	--		
07-18-84	--	--	--	--	--	--	--	--	--	--				
08-27-84	--	--	--	--	--	--	--	--	--	--				
07-16-85	--	--	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--	--	--				
72	09397300	08-02-88	--	--	--	--	--	--	--	--	3	5300		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE (01012)	BERYL-	BORON,	BORON,	CADMIUM	CHRO-	COBALT,	COPPER,	COPPER,	IRON,
			TOTAL RECOV- ERABLE (UG/L AS BE) (01020)	DIS- SOLVED (UG/L AS B) (01022)	TOTAL RECOV- ERABLE (UG/L AS B) (01027)	TOTAL RECOV- ERABLE (UG/L AS CD) (01034)	TOTAL RECOV- ERABLE (UG/L AS CR) (01037)	TOTAL RECOV- ERABLE (UG/L AS CO) (01040)	DIS- SOLVED (UG/L AS CU) (01042)	TOTAL RECOV- ERABLE (UG/L AS CU) (01045)	TOTAL RECOV- ERABLE (UG/L AS FE)
69	345348110070601	02-20-85	--	--	--	--	--	--	12	880	720000
		04-24-85	--	--	--	--	--	--	8	97	72000
70	09397000	05-13-71	--	--	--	--	--	--	--	--	--
		08-16-71	--	20	--	--	--	--	--	--	--
		09-30-71	--	--	--	--	--	--	--	--	--
		10-06-71	--	180	--	--	--	--	--	--	--
		10-30-71	--	--	--	--	--	--	--	--	--
		05-14-74	--	110	--	--	--	--	--	--	--
		12-20-78	--	--	--	--	--	--	--	--	--
		01-18-79	--	--	--	--	--	--	--	--	--
		02-16-79	--	--	--	--	--	--	--	--	--
		03-09-79	--	--	--	--	--	--	--	--	--
		03-16-79	--	--	--	--	--	--	--	--	--
		03-29-79	--	--	--	--	--	--	--	--	--
		71	09397100	12-20-78	--	--	--	--	--	--	--
01-20-80	--			--	--	--	--	--	--	--	--
02-16-80	--			--	--	--	--	--	--	--	--
02-17-80	--			--	--	--	--	--	--	--	--
02-17-80	--			--	--	--	--	--	--	--	--
02-20-80	--			--	--	--	--	--	--	--	--
02-21-80	--			--	--	--	--	--	--	--	--
02-24-80	--			--	--	--	--	--	--	--	--
02-12-82	--			--	--	--	--	--	--	--	--
08-26-82	--			--	--	--	--	--	--	--	--
08-26-82	--			--	--	--	--	--	--	--	--
01-18-83	--			--	--	--	--	--	--	--	--
02-10-83	--			--	--	--	--	--	--	--	--
07-25-83	--			--	--	--	--	--	--	--	--
03-29-84	--			--	--	--	--	--	--	--	--
07-18-84	--	--	--	--	--	--	--	--	--		
08-27-84	--	--	--	--	--	--	--	--	--		
07-16-85	--	--	--	--	--	--	--	--	--		
09-19-85	--	--	--	--	--	--	--	--	--		
09-19-85	--	--	--	--	--	--	--	--	--		
72	09397300	08-02-88	90	--	750	3	290	750	--	1000	340000

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	IRON, DIS- SOLVED (UG/L AS FE) (D1046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)		
69	345348110070601	02-20-85	50	<5	730	17000	14	25	6	--	--		
		04-24-85	10	5	65	5800	5	29	5	--	--		
70	09397000	05-13-71	10	--	--	--	5	--	--	--	--		
		08-16-71	20	--	--	--	--	--	--	--	--		
		09-30-71	--	--	--	--	--	--	--	--	--		
		10-06-71	20	--	--	--	--	--	--	--	--		
		10-30-71	--	--	--	--	--	--	--	--	--		
		05-14-74	<10	--	--	--	--	--	--	--	--	--	
		12-20-78	--	--	--	--	--	--	--	--	--	--	
		01-18-79	--	--	--	--	--	--	--	--	--	--	
		02-16-79	--	--	--	--	--	--	--	--	--	--	
		03-09-79	--	--	--	--	--	--	--	--	--	--	
		03-16-79	--	--	--	--	--	--	--	--	--	--	
		03-29-79	--	--	--	--	--	--	--	--	--	--	
		71	09397100	12-20-78	--	--	--	--	--	--	--	--	--
				01-20-80	--	--	--	--	--	--	--	--	--
				02-16-80	--	--	--	--	--	--	--	--	--
02-17-80	--			--	--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--	--		
02-20-80	--			--	--	--	--	--	--	--	--		
02-21-80	--			--	--	--	--	--	--	--	--		
02-24-80	--			--	--	--	--	--	--	--	--		
02-12-82	--			--	--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--	--		
01-18-83	--			--	--	--	--	--	--	--	--		
02-10-83	--			--	--	--	--	--	--	--	--		
07-25-83	--			--	--	--	--	--	--	--	--		
03-29-84	--			--	--	--	--	--	--	--	--		
07-18-84	--	--	--	--	--	--	--	--	--				
08-27-84	--	--	--	--	--	--	--	--	--				
07-16-85	--	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--	--				
72	09397300	08-02-88	--	--	1000	53000	--	--	1	900	8		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	VANA- DIUM, TOTAL (UG/L AS V) (01087)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ALPHA, TOTAL (PCI/L) (01501)		
69	345348110070601	02-20-85	--	<5	960	53	2900	--	<5	<5	740		
		04-24-85	--	5	200	6	370	--	5	5	270		
70	09397000	05-13-71	--	--	--	--	--	--	--	--	--		
		08-16-71	--	--	--	--	--	--	--	--	--		
		09-30-71	--	--	--	--	--	--	--	--	--		
		10-06-71	--	--	--	--	--	--	--	--	--		
		10-30-71	--	--	--	--	--	--	--	--	--		
		05-14-74	--	--	--	--	--	--	--	--	--	--	
		12-20-78	--	--	--	--	--	--	--	--	--	--	
		01-18-79	--	--	--	--	--	--	--	--	--	--	
		02-16-79	--	--	--	--	--	--	--	--	--	--	
		03-09-79	--	--	--	--	--	--	--	--	--	--	
		03-16-79	--	--	--	--	--	--	--	--	--	--	
		03-29-79	--	--	--	--	--	--	--	--	--	--	
		71	09397100	12-20-78	--	--	--	--	--	--	--	--	--
				01-20-80	--	--	--	--	--	--	--	--	--
02-16-80	--			--	--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--	--		
02-20-80	--			--	--	--	--	--	--	--	--		
02-21-80	--			--	--	--	--	--	--	--	--		
02-24-80	--			--	--	--	--	--	--	--	--		
02-12-82	--			--	--	--	--	--	--	--	--	--	
08-26-82	--			--	--	--	--	--	--	--	--	--	
08-26-82	--			--	--	--	--	--	--	--	--	--	
01-18-83	--			--	--	--	--	--	--	--	--	--	
02-10-83	--			--	--	--	--	--	--	--	--	--	
07-25-83	--			--	--	--	--	--	--	--	--	--	
03-29-84	--	--	--	--	--	--	--	--	--	--			
07-18-84	--	--	--	--	--	--	--	--	--	--			
08-27-84	--	--	--	--	--	--	--	--	--	--			
07-16-85	--	--	--	--	--	--	--	--	--	--			
09-19-85	--	--	--	--	--	--	--	--	--	--			
09-19-85	--	--	--	--	--	--	--	--	--	--			
72	09397300	08-02-88	17000	--	--	--	3000	520000	--	2	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	GROSS	GROSS	GROSS	GROSS	RADIUM 226, TOTAL (PCI/L) (09501)	RADIUM	LEAD-	LEAD	POLO-		
			ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	BETA TOTAL (PCI/L AS CS-137) (03519)		226, DIS- SOLVED (PCI/L) (09503)	210 WHOLE TOTAL (PCI/L) (17501)	210 DIS- SOLVED (PCI/L) (17503)	NIUM 210 DIS- SOLVED (PCI/L) (19503)		
69	345348110070601	02-20-85	28	2.0	--	1400	64	--	37	--	0.4		
		04-24-85	36	14	--	710	25	--	17	0.2	--		
70	09397000	05-13-71	--	--	--	--	--	--	--	--	--		
		08-16-71	--	--	--	--	--	--	--	--	--		
		09-30-71	--	--	--	--	--	--	--	--	--		
		10-06-71	--	--	--	--	--	--	--	--	--		
		10-30-71	--	--	--	--	--	--	--	--	--		
		05-14-74	--	--	--	--	--	--	--	--	--		
		12-20-78	--	--	--	--	--	--	--	--	--		
		01-18-79	--	--	--	--	--	--	--	--	--		
		02-16-79	--	--	--	--	--	--	--	--	--		
		03-09-79	--	--	--	--	--	--	--	--	--		
		03-16-79	--	--	--	--	--	--	--	--	--		
		03-29-79	--	--	--	--	--	--	--	--	--		
		71	09397100	12-20-78	--	--	--	--	--	--	--	--	--
				01-20-80	--	--	--	--	--	--	--	--	--
02-16-80	--			--	--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--	--		
02-20-80	--			--	--	--	--	--	--	--	--		
02-21-80	--			--	--	--	--	--	--	--	--		
02-24-80	--			--	--	--	--	--	--	--	--		
02-12-82	--			--	--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--	--		
01-18-83	--			--	--	--	--	--	--	--	--		
02-10-83	--			--	--	--	--	--	--	--	--		
07-25-83	--			--	--	--	--	--	--	--	--		
03-29-84	--	--	--	--	--	--	--	--	--				
07-18-84	--	--	--	--	--	--	--	--	--				
08-27-84	--	--	--	--	--	--	--	--	--				
07-16-85	--	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--	--				
72	09397300	08-02-88	--	14	150	--	--	--	--	--	--		

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	URANIUM	URANIUM	URANIUM	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C	SOLIDS, RESIDUE AT 180 DEG. C	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)		
			-238 WATER DISSOLV (PCI/L) (22603)	-234 WATER DISSOLV (PCI/L) (22610)	NATURAL TOTAL (UG/L AS U) (28011)	(MG/L) (70299)	(MG/L) (70300)	(MG/L) (70301)	(70302)	(70303)		
69	345348110070601	02-20-85	--	--	86	33900	8200	--	--	--		
		04-24-85	--	--	70	16500	2000	--	--	--		
70	09397000	05-13-71	--	--	--	--	--	939	10.4	1.28		
		08-16-71	--	--	--	--	--	164	20.5	0.22		
		09-30-71	--	--	--	--	--	--	--	--		
		10-06-71	--	--	--	--	--	536	98.4	0.73		
		10-30-71	--	--	--	--	--	--	--	--		
		05-14-74	--	--	--	--	1070	1020	10.5	1.46		
		12-20-78	--	--	--	--	--	--	--	--		
		01-18-79	--	--	--	--	--	--	--	--		
		02-16-79	--	--	--	--	--	--	--	--		
		03-09-79	--	--	--	--	--	--	--	--		
		03-16-79	--	--	--	--	--	--	--	--		
		03-29-79	--	--	--	--	--	--	--	--		
		71	09397100	12-20-78	--	--	--	--	--	--	--	--
				01-20-80	--	--	--	--	--	--	--	--
02-16-80	--			--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--		
02-17-80	--			--	--	--	--	--	--	--		
02-20-80	--			--	--	--	--	--	--	--		
02-21-80	--			--	--	--	--	--	--	--		
02-24-80	--			--	--	--	--	--	--	--		
02-12-82	--			--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--		
08-26-82	--			--	--	--	--	--	--	--		
01-18-83	--			--	--	--	--	--	--	--		
02-10-83	--			--	--	--	--	--	--	--		
07-25-83	--			--	--	--	--	--	--	--		
03-29-84	--	--	--	--	--	--	--	--				
07-18-84	--	--	--	--	--	--	--	--				
08-27-84	--	--	--	--	--	--	--	--				
07-16-85	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--				
09-19-85	--	--	--	--	--	--	--	--				
72	09397300	08-02-88	8.6	10	--	--	--	--	--			

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SED.	SED.	SED.	SED.	SED.	SED.	SED.	SED.	SED.
			SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
69	345348110070601	02-20-85	--	--	--	--	--	--	--	--	--
		04-24-85	--	--	--	--	--	--	--	--	--
7D	09397000	05-13-71	--	--	--	--	--	--	--	--	--
		08-16-71	--	--	--	--	--	--	--	--	--
		09-30-71	--	--	--	--	--	--	--	--	--
		10-06-71	--	--	--	--	--	--	--	--	--
		10-30-71	--	--	--	--	--	--	--	--	--
		05-14-74	--	--	--	--	--	--	--	--	--
		12-20-78	--	34	36	--	46	--	62	80	95
		01-18-79	100	66	77	--	94	--	--	--	--
		02-16-79	--	58	75	--	88	--	96	100	--
		03-09-79	--	44	50	--	71	--	98	100	--
		03-16-79	--	51	60	--	74	--	96	99	100
		03-29-79	--	26	31	--	37	--	68	92	99
		12-20-78	--	75	88	--	91	--	94	98	100
71	09397100	01-20-80	--	--	--	--	--	--	--	--	--
		02-16-80	--	--	--	--	--	--	--	--	--
		02-17-80	--	--	--	--	--	--	--	--	--
		02-17-80	--	--	--	--	--	--	--	--	--
		02-20-80	--	--	--	--	--	--	--	--	--
		02-21-80	--	--	--	--	--	--	--	--	--
		02-24-80	--	--	--	--	--	--	--	--	--
		02-12-82	--	--	--	--	--	--	--	--	--
		08-26-82	--	--	--	--	--	--	--	--	--
		08-26-82	--	--	--	--	--	--	--	--	--
		01-18-83	--	--	--	--	--	--	--	--	--
		02-10-83	--	--	--	--	--	--	--	--	--
		07-25-83	--	--	--	--	--	--	--	--	--
		03-29-84	--	--	--	--	--	--	--	--	--
		07-18-84	--	--	--	--	--	--	--	--	--
		08-27-84	--	--	--	--	--	--	--	--	--
07-16-85	--	--	--	--	--	--	--	--	--		
09-19-85	--	--	--	--	--	--	--	--	--		
09-19-85	--	--	--	--	--	--	--	--	--		
72	09397300	08-02-88	--	32	40	48	56	64	70	91	100

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	SED.	MANGA-	IRON	MERCURY	MERCURY	ELEV.	URANIUM	GROSS	GROSS
			SUSP. FALL DIAM. % FINER THAN .500 MM (70345)								
69	345348110070601	02-20-85	--	--	--	--	--	--	58	--	--
		04-24-85	--	--	--	0.80	0.80	--	56	--	--
70	09397000	05-13-71	--	--	--	--	--	5063	--	--	--
		08-16-71	--	--	--	--	--	5063	--	--	--
		09-30-71	--	10	40	--	--	5063	--	--	--
		10-06-71	--	--	--	--	--	5063	--	--	--
		10-30-71	--	10	40	--	--	5063	--	--	--
		05-14-74	--	--	--	--	--	5063	--	--	--
		12-20-78	100	--	--	--	--	5063	--	--	--
		01-18-79	--	--	--	--	--	5063	--	--	--
		02-16-79	--	--	--	--	--	5063	--	--	--
		03-09-79	--	--	--	--	--	5063	--	--	--
		03-16-79	--	--	--	--	--	5063	--	--	--
		03-29-79	100	--	--	--	--	5063	--	--	--
		71	09397100	12-20-78	--	--	--	--	--	--	--
01-20-80	--			--	--	--	--	--	--	--	--
02-16-80	--			--	--	--	--	--	--	--	--
02-17-80	--			--	--	--	--	--	--	--	--
02-17-80	--			--	--	--	--	--	--	--	--
02-20-80	--			--	--	--	--	--	--	--	--
02-21-80	--			--	--	--	--	--	--	--	--
02-24-80	--			--	--	--	--	--	--	--	--
02-12-82	--			--	--	--	--	--	--	--	--
08-26-82	--			--	--	--	--	--	--	--	--
08-26-82	--			--	--	--	--	--	--	--	--
01-18-83	--			--	--	--	--	--	--	--	--
02-10-83	--			--	--	--	--	--	--	--	--
07-25-83	--			--	--	--	--	--	--	--	--
03-29-84	--			--	--	--	--	--	--	--	--
07-18-84	--			--	--	--	--	--	--	--	--
08-27-84	--			--	--	--	--	--	--	--	--
07-16-85	--	--	--	--	--	--	--	--	--		
09-19-85	--	--	--	--	--	--	--	--	--		
09-19-85	--	--	--	--	--	--	--	--	--		
72	09397300	08-02-88	100	--	--	--	--	5031	--	20	240

SURFACE WATER--Continued

MAP INTEGER (SEE PLATE 1 AND TABLE 4)	STATION NUMBER	DATE	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	DRAIN- AGE AREA (SQ. MI.) (81024)	SAM- PLING METHOD, CODES (82398)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)	POLON- IUM- 210 TOTAL (PCI/L) (92022)	THORIUM- 230 TOTAL (PCI/L) (92023)
69	345348110070601	02-20-85	--	--	--	--	--	--	--	49	47
		04-24-85	--	--	--	--	--	--	22.5	22	22
70	09397000	05-13-71	--	--	--	--	11300	--	--	--	--
		08-16-71	--	--	--	--	11300	--	--	--	--
		09-30-71	--	--	--	--	11300	--	--	--	--
		10-06-71	--	--	--	--	11300	--	--	--	--
		10-30-71	--	--	--	--	11300	--	--	--	--
		05-14-74	--	--	--	--	11300	--	--	--	--
		12-20-78	--	--	28100	744000	11300	--	--	--	--
		01-18-79	--	--	28000	550000	11300	--	--	--	--
		02-16-79	--	--	32400	92700	11300	--	--	--	--
		03-09-79	--	--	58200	110000	11300	--	--	--	--
		03-16-79	--	--	37400	41900	11300	--	--	--	--
		03-29-79	--	--	18200	42200	11300	--	--	--	--
		71	09397100	12-20-78	--	--	30000	2020	809	--	--
01-20-80	--			--	43300	--	809	--	--	--	--
02-16-80	--			--	43700	--	809	--	--	--	--
02-17-80	--			--	30800	--	809	--	--	--	--
02-17-80	--			--	45000	--	809	--	--	--	--
02-20-80	--			--	74700	--	809	--	--	--	--
02-21-80	--			--	28500	--	809	--	--	--	--
02-24-80	--			--	29500	--	809	--	--	--	--
02-12-82	--			--	28300	--	809	--	--	--	--
08-26-82	--			--	97500	579000	809	--	--	--	--
08-26-82	--			--	100000	594000	809	--	--	--	--
01-18-83	--			--	26500	13200	809	--	--	--	--
02-10-83	--			--	15500	791	809	--	--	--	--
07-25-83	--			--	20700	3050	809	--	--	--	--
03-29-84	--			--	1370	23	809	--	--	--	--
07-18-84	--			--	22200	--	809	--	--	--	--
08-27-84	--			--	14000	--	809	--	--	--	--
07-16-85	--			--	43200	--	809	--	--	--	--
09-19-85	--	--	71500	69300	809	10.0	--	--	--		
09-19-85	--	--	67400	65300	809	10.0	--	--	--		
72	09397300	08-02-88	9.0	140	244000	793000	--	10.0	--	--	

GROUND WATER

[ND, not detected; E, estimated; M, Presence of material verified but not quantified; <, less than; >, greater than.
See table 1 for explanation of agency collection and analysis codes]

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)
1	353736108293502	01-19-82	1700	--	9735	--	--	2230	--	8.4	1620	7.7
		03-23-82	1515	--	9735	--	--	2830	--	8.4	2600	7.9
		12-08-82	1500	--	9735	--	--	--	--	7.4	2060	--
2	353738108293501	01-19-82	1545	9.0	9735	--	--	--	--	8.4	--	--
		03-23-82	1420	13.5	9735	--	--	--	--	--	--	--
		12-08-82	1445	10.5	9735	--	--	--	--	7.4	--	--
3	353742108293601	01-19-82	1545	--	704	704	--	1180	--	8.4	890	7.7
		03-23-82	1420	--	704	704	--	1210	--	--	990	7.9
		12-08-82	1445	--	704	704	--	--	--	7.4	1010	--
		07-29-87	--	--	1008	1008	--	--	--	--	--	--
4	353736108294301	07-15-87	--	--	1008	1008	--	--	--	--	--	--
5	353038108300201	05-03-50	--	19.5	--	--	8.0	--	1350	--	--	--
		03-23-72	--	--	--	1008	1350	--	1330	8.4	--	--
6	352233108304201	08-21-56	--	9.0	--	--	10	--	562	7.2	--	--
7	353649108305801	02-07-74	--	--	--	1008	--	--	710	8.1	--	--
8	353016108310501	04-03-53	--	--	--	--	30	--	2890	--	--	--
9	353706108312801	01-20-82	1145	10.5	9735	--	--	--	--	--	--	--
		03-23-82	1000	11.0	9735	--	--	--	--	8.4	--	--
10	353710108312803	01-20-82	0950	6.5	704	704	--	863	--	--	630	8.2
		03-23-82	1200	13.5	704	704	--	777	--	8.5	630	8.3
		12-08-82	1730	15.0	704	704	--	--	--	7.8	710	--
		07-29-87	--	--	1008	1008	--	--	--	--	--	--
11	353707108312901	03-23-82	1050	11.0	9735	--	--	--	--	8.6	--	--
12	353707108312902	01-20-82	0945	6.0	9735	--	--	--	--	--	--	--
		03-23-82	1100	15.0	9735	--	--	--	--	8.4	--	--
13	352745108320201	08-09-50	--	13.0	--	--	30	--	734	--	--	--
14	352754108321501	08-09-50	--	12.0	--	--	195	--	913	--	--	--
15	352825108323201	10-13-64	--	--	--	--	20	--	974	7.4	--	--
		10-13-65	--	--	--	--	--	--	--	--	--	--
16	352744108324001	08-01-50	0001	13.0	--	--	--	--	1010	--	--	--
17	353032108324401	04-11-56	--	9.5	--	--	45	--	1310	7.6	--	--
18	353722108331201	02-07-74	--	--	--	1008	--	--	820	8.7	--	--
19	352735108340001	11-01-43	0001	--	--	--	--	--	707	--	--	--
		08-01-50	0001	13.5	--	--	--	--	703	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD (MG/L AS CACO3 (00410)	BICAR- BONATE WATER WH FET FIELD (MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD (MG/L AS CO3 (00445)	BICAR- BONATE WATER WH IT FIELD (MG/L AS HCO3 (00450)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)
1	353736108293502	01-19-82 03-23-82 12-08-82	-- -- --	-- -- --	330 360 190	-- -- --	-- -- --	-- -- --	.080 .072 --	-- -- --	-- -- --	-- -- --
2	353738108293501	01-19-82 03-23-82 12-08-82	-- -- --	-- -- --	300 300 180	-- -- --	-- -- --	-- -- --	.070 -- .060	-- -- --	-- -- --	-- -- --
3	353742108293601	01-19-82 03-23-82 12-08-82 07-29-87	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	297 300 179 --	-- -- -- 230	-- -- -- --	.070 -- .060 --	-- -- -- <.100	-- -- -- --
4	353736108294301	07-15-87	--	--	--	--	254	--	--	--	--	2.20
5	353038108300201	05-03-50 03-23-72	-- 1.5	205 194	250 190	-- 23	-- --	-- --	-- --	-- --	.070 .030	-- --
6	352233108304201	08-21-56	29	230	280	--	--	--	--	--	.050	--
7	353649108305801	02-07-74	3.2	209	220	17	--	--	--	--	12.0	--
8	353016108310501	04-03-53	--	295	360	--	--	--	--	--	.110	--
9	353706108312801	01-20-82 03-23-82	-- --	-- --	320 320	-- --	-- --	-- --	.090 .178	-- --	-- --	-- --
10	353710108312803	01-20-82 03-23-82 12-08-82 07-29-87	-- -- -- --	-- -- -- --	260 230 230 --	-- -- -- --	260 229 230 --	-- -- -- 212	-- -- -- --	.050 .054 -- --	-- -- -- .700	-- -- -- --
11	353707108312901	03-23-82	--	--	330	--	--	--	.050	--	--	--
12	353707108312902	01-20-82 03-23-82	-- --	-- --	300 310	-- --	-- --	-- --	.140 .750	-- --	-- --	-- --
13	352745108320201	08-09-50	--	258	310	--	--	--	--	--	.200	--
14	352754108321501	08-09-50	--	226	280	--	--	--	--	--	.200	--
15	352825108323201	10-13-64 10-13-65	16 --	208 205	250 250	-- --	-- --	-- --	-- --	-- --	1.00 --	-- --
16	352744108324001	08-01-50	--	258	310	--	--	--	--	--	.200	--
17	353032108324401	04-11-56	6.9	139	170	--	--	--	--	--	--	--
18	353722108331201	02-07-74	.8	197	210	15	--	--	--	--	.540	--
19	352735108340001	11-01-43 08-01-50	-- --	274 269	330 330	-- --	-- --	-- --	-- --	-- --	.230 .270	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, DIS- SOLVED (MG/L AS PO4) (00653)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	HARD- NESS TOTAL (MG/L AS CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CAC03 (00902)	CALCIUM TOTAL (MG/L AS CAC03) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
1	353736108293502	01-19-82	--	.020	--	.03	--	1600	--	--	530	68
		03-23-82	--	.030	--	--	--	1800	--	--	560	90
		12-08-82	--	.100	--	--	--	1700	--	--	560	82
2	353738108293501	01-19-82	--	.090	--	--	--	660	--	--	220	28
		03-23-82	--	2.14	--	--	--	710	--	--	220	35
		12-08-82	--	.020	--	--	--	760	--	--	250	35
3	353742108293601	01-19-82	.090	--	<0.03	--	--	13	--	220	--	--
		03-23-82	<0.010	--	<0.01	--	--	--	--	220	--	--
		12-08-82	.001	--	--	--	--	--	--	250	--	--
		07-29-87	--	--	--	--	--	800	--	--	260	38
4	353736108294301	07-15-87	--	--	--	--	--	--	--	130	--	--
5	353038108300201	05-03-50	--	--	--	--	--	780	580	--	170	87
		03-23-72	--	--	--	--	--	760	600	--	170	82
6	352233108304201	08-21-56	--	--	--	--	--	290	60	--	90	15
7	353649108305801	02-07-74	--	--	--	--	.02	290	110	--	80	22
8	353016108310501	04-03-53	--	--	--	--	--	28	--	--	8.5	1.7
9	353706108312801	01-20-82	--	12.3	--	--	--	940	--	--	280	56
		03-23-82	--	7.06	--	--	--	960	--	--	300	51
10	353710108312803	01-20-82	.110	--	.03	--	--	190	--	59	--	--
		03-23-82	<0.010	--	.05	--	--	120	--	45	--	--
		12-08-82	.001	--	--	--	--	160	--	49	--	--
		07-29-87	--	--	--	--	--	230	--	--	74	10
11	353707108312901	03-23-82	--	.100	--	--	--	640	--	--	190	38
12	353707108312902	01-20-82	--	.280	--	--	--	260	--	--	80	13
		03-23-82	--	.280	--	--	--	250	--	--	75	15
13	352745108320201	08-09-50	--	--	--	--	--	410	160	--	110	34
14	352754108321501	08-09-50	--	--	--	--	--	520	290	--	140	40
15	352825108323201	10-13-64	--	--	--	--	--	540	330	--	150	39
		10-13-65	--	--	--	--	--	540	340	--	150	--
16	352744108324001	08-01-50	--	--	--	--	--	410	160	--	110	34
17	353032108324401	04-11-56	--	--	--	--	--	640	500	--	130	77
18	353722108331201	02-07-74	--	--	--	--	.03	25	--	--	8.0	1.2
19	352735108340001	11-01-43	--	--	--	--	--	380	100	--	100	31
		08-01-50	--	--	--	--	--	390	120	--	100	33

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MAGNE-	SODIUM,	SODIUM	SODIUM+	POTAS-	POTAS-	POTAS-	CHLO-	SULFATE	FLUO-	
			SOLIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	DIS- SOLVED (MG/L AS NA) (00930)	AD- SORP- TION (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	SODIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	
1	353736108293502	01-19-82	--	110	1	13	--	11	--	16	1700	.46	
		03-23-82	--	130	1	14	--	8.6	--	13	1700	.50	
		12-08-82	--	130	1	14	--	.39	--	14	1600	--	
2	353738108293501	01-19-82	--	32	.5	9	--	7.4	--	5.5	--	.44	
		03-23-82	--	32	.5	9	--	6.6	--	6.6	--	.44	
		12-08-82	--	35	.5	9	--	4.7	--	7.1	--	--	
3	353742108293601	01-19-82	28	32	.5	--	--	--	7.4	5.5	380	--	
		03-23-82	35	32	.5	--	--	--	6.6	6.6	560	--	
		12-08-82	35	35	--	--	--	--	4.7	7.1	550	--	
		07-29-87	--	38	.6	9	--	7.3	--	7.0	580	.42	
4	353736108294301	07-15-87	25	27	--	--	--	--	6.9	190	--		
5	353038108300201	05-03-50	--	--	--	--	24	--	--	5.0	600	.20	
		03-23-72	--	27	.4	7	--	5.0	--	6.4	590	.30	
6	352233108304201	08-21-56	--	--	--	--	10	--	--	10	59	.20	
7	353649108305801	02-07-74	--	33	.8	20	--	3.0	--	23	75	.40	
8	353016108310501	04-03-53	--	--	--	--	640	--	--	380	580	.70	
9	353706108312801	01-20-82	--	74	1	14	--	3.1	--	17	--	.63	
		03-23-82	--	64	.9	13	--	3.5	--	19	--	.55	
10	353710108312803	01-20-82	9.2	120	4	58	--	--	4.3	14	200	.70	
		03-23-82	3.0	120	5	68	--	--	3.5	15	190	.61	
		12-08-82	9.2	130	5	64	--	--	.8	12	230	--	
		07-29-87	--	120	3	53	--	3.5	--	10	230	.58	
11	353707108312901	03-23-82	--	94	2	24	--	5.1	--	18	--	.66	
12	353707108312902	01-20-82	--	120	3	50	--	2.3	--	17	--	.95	
		03-23-82	--	110	3	48	--	1.6	--	18	--	.78	
13	352745108320201	08-09-50	--	--	--	--	4.6	--	--	7.0	150	.20	
14	352754108321501	08-09-50	--	--	--	--	7.6	--	--	8.0	280	.20	
15	352825108323201	10-13-64	--	--	--	--	--	14	--	--	5.7	330	.20
		10-13-65	--	--	--	--	--	--	--	--	330	--	--
16	352744108324001	08-01-50	--	--	--	--	4.6	--	--	7.0	150	.20	
17	353032108324401	04-11-56	--	--	--	--	60	--	--	4.0	600	.30	
18	353722108331201	02-07-74	--	170	15	93	--	2.0	--	11	160	.20	
19	352735108340001	11-01-43	--	--	--	--	--	15	--	--	7.0	120	.10
		08-01-50	--	--	--	--	--	5.8	--	--	8.0	120	.10

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)
1	353736108293502	01-19-82	2620	2580	3.57	--	--	--	--	40	6.2
		3-23-82	2870	2690	3.91	--	--	--	--	62	20.5
		12-08-82	2770	2520	3.77	--	--	--	--	57	10.5
2	353738108293501	01-19-82	990	--	--	--	--	--	--	--	--
		3-23-82	1070	--	--	--	--	--	--	--	--
		12-08-82	1050	--	--	--	--	--	--	--	--
3	353742108293601	01-19-82	990	--	--	--	6800	55.00	29.46	--	8.9
		3-23-82	1070	--	--	--	6800	55.00	28.91	--	13.7
		12-08-82	1050	--	--	--	6800	55.00	--	--	10.5
		7-29-87	1160	1040	1.58	--	6800	55.00	--	.02	--
4	353736108294301	07-15-87	555	--	--	--	--	--	--	--	--
5	353038108300201	05-03-50	--	1010	--	.30	--	1190.00	--	--	--
		3-23-72	--	1020	1.39	.12	--	1190.00	--	--	--
6	352233108304201	08-21-56	348	339	.46	.20	--	260.00	25.00	--	--
7	353649108305801	02-07-74	--	444	.60	52	6875	318.00	--	--	--
8	353016108310501	04-03-53	--	1790	--	.50	--	490.00	--	--	--
9	353706108312801	01-20-82	1510	--	--	--	--	--	--	--	--
		3-23-82	1230	--	--	--	--	--	--	--	--
10	353710108312803	01-20-82	566	--	--	--	6820	43.00	24.74	--	6.5
		3-23-82	515	--	--	--	6820	43.00	24.71	--	13.3
		12-08-82	603	--	--	--	6820	43.00	--	--	15.1
		7-29-87	609	554	.83	--	6820	43.00	--	.65	--
11	353707108312901	03-23-82	1150	--	--	--	--	--	--	--	
12	353707108312902	01-20-82	646	--	--	--	--	--	--	--	--
		3-23-82	616	--	--	--	--	--	--	--	--
13	352745108320201	08-09-50	--	474	--	.90	--	--	--	--	
14	352754108321501	08-09-50	--	630	--	.90	--	--	--	--	
15	352825108323201	10-13-64	711	686	.97	4.6	--	348.00	--	--	--
		10-13-65	--	--	--	--	--	--	--	--	--
16	352744108324001	08-01-50	--	474	--	.90	--	--	--	--	
17	353032108324401	04-11-56	1040	971	1.32	--	--	1300.00	--	--	--
18	353722108331201	02-07-74	--	499	.68	2.4	--	--	--	--	--
19	352735108340001	11-01-43	--	438	--	1.0	--	--	--	--	--
		8-01-50	--	440	--	1.2	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE NUMBER (00027)	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	FLOW RATE, INSTAN- TANEOUS (G/H) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
20	353345108340701	12-15-64	--	22.0	--	1008	--	710	7.7	4.8	123
21	352710108341501	08-01-50	0001	--	--	--	--	774	--	--	275
22	352942108342301	10-02-68 4-01-69	-- --	16.0 --	-- --	-- --	-- --	5520 1400	7.3 7.7	8.8 7.3	90 189
23	352708108342501	08-07-50	--	--	--	--	--	774	--	--	275
24	352800108342801	08-01-50 8-04-50	0001 --	13.0 55.0	-- --	-- --	-- 23	-- 730	-- --	-- --	-- 267
25	353456108343801	05-02-72	--	--	--	1008	5.0	2190	8.3	6.6	671
26	353521108343801	07-17-70	--	--	--	1008	--	2080	8.5	3.9	638
27	353625108343801	03-24-82 12-07-82	1210 1400	12.0 13.0	9735 9735	-- --	-- --	-- --	7.5 7.9	-- --	-- --
28	353627108343901	03-24-82	1300	19.0	9735	--	--	--	7.9	--	--
29	353624108344001	03-24-82 8-07-82	1140 1420	10.5 12.5	9735 9735	-- --	-- --	-- --	7.7 8.0	-- --	-- --
30	353624108344002	03-24-82	1250	14.0	9735	--	--	--	7.7	--	--
31	353214108345601	10-01-64	--	--	--	--	--	1330	7.6	8.7	180
32	353116108345901	02-05-42 10-14-55 10-08-57 8-25-58 10-19-59 10-06-60 11-27-61 2-28-63 6-05-64 7-22-65 9-20-66 7-25-67 9-11-68	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- 24.0 20.0 22.0 22.0 23.5 -- 21.5 20.5 20.0 -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- --	-- 1290 1290 1290 1290 1300 1290 1290 1300 1310 1310 1260 1310	-- 7.8 7.6 7.5 7.6 7.2 7.6 7.4 7.7 7.9 7.5 7.8 7.5	-- 5.3 8.4 11 8.4 21 8.4 13 6.7 4.2 11 5.3 11	172 172 172 180 172 172 172 172 172 172 180 172 180
33	353351108350101	08-30-49	--	--	--	--	.8	268	--	--	123
34	353137108353001	10-13-65 10-12-66	-- --	-- --	-- --	-- --	49 --	873 1240	7.8 7.6	10 22	336 443
35	353222108353201	01-01-67	0001	--	--	1008	--	--	8.2	2.0	164
36	353131108353401	10-15-65	--	--	--	--	--	1560	8.0	9.4	484
37	353218108353401	12-05-57	0900	23.5	--	--	--	1500	8.1	2.7	172
38	353218108353402	12-05-57	0800	23.5	--	--	E5.0	1500	7.9	4.3	172

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	BICAR-	CAR-	NITRO-	NITRO-	NITRO-	PHOS-	HARD-	HARD-	CALCIUM
			BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	NESS TOTAL (MG/L AS CACO3) (00900)	NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	
20	353345108340701	12-15-64	140	5	--	.270	--	--	350	230	92
21	352710108341501	08-01-50	340	--	--	.110	--	--	450	170	120
22	352942108342301	10-02-68 4-01-69	110 230	-- --	-- --	.020 --	-- --	-- --	890 630	810 440	260 140
23	352708108342501	08-07-50	340	--	--	.110	--	--	450	170	120
24	352800108342801	08-01-50 8-04-50	-- 330	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
25	353456108343801	05-02-72	710	53	--	4.50	--	--	680	92	180
26	353521108343801	07-17-70	670	53	--	.270	--	.20	240	--	24
27	353625108343801	03-24-82 12-07-82	280 210	-- --	.279 --	-- --	.490 .680	-- --	680 670	-- --	200 210
28	353627108343901	03-24-82	370	--	.410	--	.170	--	240	--	64
29	353624108344001	03-24-82 8-07-82	270 --	-- --	.138 --	-- --	2.73 1.71	-- --	260 --	-- --	80 --
30	353624108344002	03-24-82	270	--	.092	--	.040	--	430	--	130
31	353214108345601	10-01-64	220	--	--	.020	--	--	540	360	120
32	353116108345901	02-05-42 10-14-55 10-08-57 8-25-58 10-19-59 10-06-60 11-27-61 2-28-63 6-05-64 7-22-65 9-20-66 7-25-67 9-11-68	210 210 210 220 210 210 210 210 210 210 210 210 210 210 210 220 210 220	-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --	.050 .050 -- .020 -- .020 -- -- .020 -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --	660 630 720 630 680 670 650 660 650 650 670 480 490 480 480 650 480 470 470 470	500 470 550 460 490 480 490 480 480 480 480 480 480 480 480 480 480 480 480 480	140 130 140 140 150 150 150 140 140 140 150 150 150 150 150 150 150 150 150 150
33	353351108350101	08-30-49	150	--	--	--	--	--	--	--	--
34	353137108353001	10-13-65 10-12-66	410 540	-- --	-- --	.610 .050	-- --	-- --	110 74	-- --	32 23
35	353222108353201	01-01-67	200	--	--	.290	--	.01	360	190	120
36	353131108353401	10-15-65	590	--	--	.090	--	--	50	--	14
37	353218108353401	12-05-57	210	--	--	.020	--	--	320	150	75
38	353218108353402	12-05-57	210	--	--	.050	--	--	400	220	78

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MAGNE-	SODIUM,	SODIUM	SODIUM+		POTAS-	POTAS-	CHLO-	SULFATE	FLUO-
			SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)	AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SOLVED (MG/L AS NA) (00933)	SOLVED (MG/L AS K) (00935)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	
20	353345108340701	12-15-64	29	12	.3	7	--	1.0	26	200	.60	
21	352710108341501	08-01-50	37	--	--	--	1.4	--	8.0	160	.20	
22	352942108342301	10-02-68 4-01-69	59 68	1100 --	16 --	72 --	-- 93	21 --	63 4.4	3000 610	.40 .30	
23	352708108342501	08-07-50	37	--	--	--	1.4	--	8.0	160	.20	
24	352800108342801	08-01-50 8-04-50	-- --	-- --	-- --	-- --	-- --	-- --	-- 7.0	-- --	-- --	
25	353456108343801	05-02-72	56	290	5	48	--	2.0	25	490	.50	
26	353521108343801	07-17-70	43	400	11	78	--	5.0	42	380	.80	
27	353625108343801	03-24-82 12-07-82	42 38	400 390	7 7	56 56	-- --	1.6 5.5	79 84	-- --	.53 --	
28	353627108343901	03-24-82	18	160	4	59	--	2.0	23	--	1.2	
29	353624108344001	03-24-82 8-07-82	15 --	200 --	5 --	62 --	-- --	1.2 --	21 --	-- --	.76 --	
30	353624108344002	03-24-82	26	200	4	51	--	1.6	19	--	.59	
31	353214108345601	10-01-64	58	--	--	--	100	--	4.8	550	.30	
32	353116108345901	02-05-42 10-14-55 10-08-57 8-25-58 10-19-59 10-06-60 11-27-61 2-28-63 6-05-64 7-22-65 9-20-66 7-25-67 9-11-68	76 75 89 69 73 71 67 75 68 73	54 -- -- -- -- -- -- -- -- --	.9 -- -- -- -- -- -- -- -- --	15 -- -- -- -- -- -- -- -- --	-- 66 29 67 58 61 54 57 60 57	-- 4.0 -- -- -- -- -- -- -- --	4.5 4.8 4.8 4.2 5.6 3.8 5.4 3.9 4.6 4.0	590 580 590 580 580 590 570 580 580 580	.20 .20 .20 .20 .20 .30 .30 .30 .30 .30	
33	353351108350101	08-30-49	--	--	--	--	--	--	8.0	--	--	
34	353137108353001	10-13-65 10-12-66	6.8 4.0	-- --	-- --	-- --	-- --	160 270	-- 93	55 86	45 86	.90 .90
35	353222108353201	01-01-67	15	200	5	54	--	3.0	23	610	.50	
36	353131108353401	10-15-65	3.6	--	--	--	350	--	140	130	1.1	
37	353218108353401	12-05-57	32	--	--	--	230	--	11	610	.30	
38	353218108353402	12-05-57	49	--	--	--	200	--	10	610	.10	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)
20	353345108340701	12-15-64	--	--	--	50	--	--	10	--	--
21	352710108341501	08-01-50	12	--	--	--	--	--	--	--	--
22	352942108342301	10-02-68 4-01-69	3.8 13	-- --	-- --	1100 --	-- --	120000 40	110 70	-- --	-- --
23	352708108342501	08-07-50	12	--	--	--	--	--	--	--	--
24	352800108342801	08-01-50 8-04-50	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
25	353456108343801	05-02-72	--	--	--	80	--	--	10	--	--
26	353521108343801	07-17-70	--	--	--	50	--	--	70	--	--
27	353625108343801	03-24-82 12-07-82	4.6 --	28 13	150 <100	-- --	<1 <1	-- --	<100 --	<5 <5	<10 <10
28	353627108343901	03-24-82	5.1	9	<100	--	<1	--	<100	<5	10
29	353624108344001	03-24-82 8-07-82	5.0 --	7 <5	<100 160	-- --	<1 <1	-- --	<100 --	<5 <5	<10 <10
30	353624108344002	03-24-82	6.5	12	300	--	<1	--	<100	<5	<10
31	353214108345601	10-01-64	12	--	--	--	--	4200	60	--	--
32	353116108345901	02-05-42 10-14-55 10-08-57 8-25-58 10-19-59 10-06-60 11-27-61 2-28-63 6-05-64 7-22-65 9-20-66 7-25-67 9-11-68	11 9.5 10 9.8 11 11 11 10 10 10 9.5 9.7 10	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- 1100 270 -- -- -- 330 250 860 70 90 980 250 180	600 10 -- -- -- 40 -- -- 20 10 170 10 --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --
33	353351108350101	08-30-49	--	--	--	--	--	--	--	--	--
34	353137108353001	10-13-65 10-12-66	8.5 10	-- --	-- --	-- --	-- --	660 1400	10 30	-- --	-- --
35	353222108353201	01-01-67	--	--	--	50	--	--	190	--	--
36	353131108353401	10-15-65	8.4	--	--	--	--	2400	20	--	--
37	353218108353401	12-05-57	14	--	--	--	--	2000	--	--	--
38	353218108353402	12-05-57	29	--	--	--	--	3000	160	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, DIS- SOLVED (MG/L AS NO3) (71851)	DEPTH TO TOP OF WATER- BEARING ZONE (FT) (72002)	DEPTH TO BOT- TOM OF WATER- BEARING ZONE (FT) (72003)	DEPTH OF WELL, TOTAL (FT) (72008)
20	353345108340701	12-15-64	--	--	--	441	.60	1.2	--	--	--
21	352710108341501	08-01-50	--	--	--	498	--	.50	--	--	--
22	352942108342301	10-02-68 4-01-69	-- --	-- --	-- --	4560 1040	6.21 --	.10 --	-- --	-- --	1940.00 1940.00
23	352708108342501	08-07-50	--	--	--	498	--	.50	--	--	--
24	352800108342801	08-01-50 8-04-50	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
25	353456108343801	05-02-72	--	--	--	1520	2.07	20	--	--	550.00
26	353521108343801	07-17-70	--	--	--	1330	1.81	1.2	--	--	--
27	353625108343801	03-24-82 12-07-82	<250 --	31 23	2100 2050	-- --	-- --	-- --	-- --	-- --	-- --
28	353627108343901	03-24-82	250	5	698	--	--	--	--	--	--
29	353624108344001	03-24-82 8-07-82	450 --	9 9	901 --	-- --	-- --	-- --	-- --	-- --	-- --
30	353624108344002	03-24-82	<250	12	1200	--	--	--	--	--	--
31	353214108345601	10-01-64	--	--	1020	958	1.30	.10	--	--	--
32	353116108345901	02-05-42 10-14-55 10-08-57 8-25-58 10-19-59 10-06-60 11-27-61 2-28-63 6-05-64 7-22-65 9-20-66 7-25-67 9-11-68	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	984 1020 1010 973 983 984 967 969 976 971 1020 962 968	1.34 -- -- -- -- -- -- -- -- -- -- -- -- -- --	.20 .20 -- .10 -- .10 -- .10 -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- -- --	1120.00 1120.00 1120.00 1120.00 1120.00 1120.00 1120.00 1120.00 1120.00 1120.00 1120.00 -- 1120.00
33	353351108350101	08-30-49	--	--	--	--	--	--	--	--	--
34	353137108353001	10-13-65 10-12-66	-- --	-- --	-- --	514 755	-- --	2.7 .20	32 --	-- --	100.00 100.00
35	353222108353201	01-01-67	--	--	--	1070	1.46	1.3	--	--	--
36	353131108353401	10-15-65	--	--	--	940	--	.40	--	--	85.00
37	353218108353401	12-05-57	--	--	--	1070	1.46	.10	--	--	--
38	353218108353402	12-05-57	--	--	--	1080	1.47	.20	1640	1970	1970.00

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE NUMBER (00027)	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)
39	353209108354101	08-18-64 1-01-67	-- 0001	-- --	-- --	1008 --	70 --	-- --	1380 --	-- 8.0	-- --	-- --
40	353212108354101	05-09-50	--	29.5	--	--	75	--	1340	--	--	--
41	353141108354601	10-15-65 10-05-66	-- --	-- 14.5	-- --	-- --	18 --	-- --	1200 1200	7.9 7.7	-- --	-- --
42	353224108354601	11-25-57 5-11-79 6-25-79	-- 0000 0000	22.0 -- --	-- 2000 2000	-- 2000 2000	15 -- --	-- -- --	1540 -- --	8.1 -- --	-- -- --	-- -- --
43	353534108354701	01-19-82 3-24-82	1150 1505	9.0 13.0	9735 9735	-- --	-- --	-- --	-- --	8.4 7.7	-- --	-- --
44	353536108354901	01-19-82 3-24-82	1213 1616	12.5 12.0	9735 9735	-- --	-- --	-- --	-- --	8.5 7.5	-- --	-- --
45	353534108355001	03-26-74	--	--	--	--	--	--	2100	8.0	--	--
46	353535108355003	01-19-82 3-24-82 8-24-82 12-09-82 12-09-82 7-29-87	1335 1515 1230 1320 1350 --	-- -- -- -- -- --	704 704 704 704 704 1008	704 704 704 704 704 1008	-- -- -- -- -- --	4130 3930 -- -- -- --	-- -- -- -- -- --	-- 7.9 -- -- 7.6 --	3230 3250 -- -- 2930 --	7.8 8.1 -- -- -- --
47	353535108355004	01-19-82 3-24-82	1330 1605	-- --	704 704	704 704	-- --	3950 5610	-- --	8.5 7.7	2950 4500	7.8 8.1
48	353535108355005	07-16-87 7-16-87	0000 0001	-- --	1008 1008	1008 1008	-- --	-- --	-- --	-- --	-- --	-- --
49	353536108355001	08-01-79 3-24-82 12-09-82	1855 1520 1345	-- -- --	704 9735 704	704 -- 704	-- -- --	-- 1850 2020	2130 -- --	7.3 7.4 7.9	-- 1410 1400	-- 8.3 --
50	353534108355201	06-22-54 10-06-76	-- 1500	-- 16.0	-- --	-- --	-- --	-- --	1810 2300	-- 7.6	-- --	-- --
51	353535108355201	01-19-82 3-24-82	1335 1515	11.0 14.5	9735 9735	-- --	-- --	-- --	-- --	-- 7.9	-- --	-- --
52	353535108355202	01-19-82 3-24-82	1330 1605	8.0 12.5	9735 9735	-- --	-- --	-- --	-- --	8.5 7.7	-- --	-- --
53	353143108355801	10-15-65 9-30-66	-- --	-- 11.0	-- --	-- --	-- --	-- --	1390 1290	7.7 7.8	-- --	-- --
54	353157108361501	10-01-64 9-10-69	-- --	-- --	-- --	-- 1008	35 35	-- --	1440 1250	7.9 8.3	-- --	-- --
55	353204108361501	10-01-64	--	--	--	--	--	--	1440	7.9	--	--
56	353158108361601	09-17-75	--	--	--	1008	--	--	890	8.2	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO ₃ (00410)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO ₃ (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO ₃ (00445)	BICAR- BONATE WATER WH IT FIELD MG/L AS HCO ₃ (00450)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO ₃ (00453)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
39	353209108354101	08-18-64 1-01-67	-- 3.7	19 189	23 230	-- --	-- --	-- --	-- --	-- --	-- --	-- --
40	353212108354101	05-09-50	--	180	220	--	--	--	--	--	--	--
41	353141108354601	10-15-65 10-05-66	11 18	443 451	540 550	-- --	-- --	-- --	-- --	-- --	-- --	-- --
42	353224108354601	11-25-57 5-11-79 6-25-79	2.7 -- --	180 -- --	220 -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
43	353534108354701	01-19-82 3-24-82	-- --	-- --	320 340	-- --	-- --	-- --	-- --	-- --	.050 .074	-- --
44	353536108354901	01-19-82 3-24-82	-- --	-- --	340 340	-- --	-- --	-- --	-- --	-- --	.050 1.35	-- --
45	353534108355001	03-26-74	14	738	900	--	--	--	--	--	--	--
46	353535108355003	01-19-82 3-24-82 8-24-82 12-09-82 12-09-82 7-29-87	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	375 349 -- 234 202 --	-- -- -- -- -- 264	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	.110 .410 -- -- 471 --
47	353535108355004	01-19-82 3-24-82	-- --	-- --	-- --	-- --	911 907	-- --	-- --	-- --	-- --	2.17 1.12
48	353535108355005	07-16-87 7-16-87	-- --	-- --	-- --	-- --	-- --	666	--	--	--	--
49	353536108355001	08-01-79 3-24-82 12-09-82	-- -- --	-- -- --	900 830 --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	6.44 3.03 4.86	-- -- --
50	353534108355201	06-22-54 10-06-76	-- 27	730 548	890 670	-- --	-- --	-- --	-- 1400	-- 2	-- --	-- --
51	353535108355201	01-19-82 3-24-82	-- --	-- --	370 350	-- --	-- --	-- --	-- --	-- --	.110 .410	-- --
52	353535108355202	01-19-82 3-24-82	-- --	-- --	910 910	-- --	-- --	-- --	-- --	-- --	2.17 1.12	-- --
53	353143108355801	10-15-65 9-30-66	18 15	468 476	570 580	-- --	-- --	-- --	-- --	-- --	-- --	-- --
54	353157108361501	10-01-64 9-10-69	7.3 3.3	295 342	360 390	-- 13	-- --	-- --	-- --	-- --	-- --	-- --
55	353204108361501	10-01-64	7.2	295	360	--	--	--	--	--	--	--
56	353158108361601	09-17-75	3.2	260	290	13	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL AS (MG/L CACO3) (D0910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
39	353209108354101	08-18-64	530	--	120	59	--	110	2	30	--	4.0
		1-01-67	360	--	120	60	--	110	2	30	--	4.0
40	353212108354101	05-09-50	360	--	120	61	--	--	--	--	110	--
41	353141108354601	10-15-65	--	--	12	2.4	--	--	--	--	280	--
		10-05-66	--	--	14	2.2	--	--	--	--	280	--
42	353224108354601	11-25-57	140	--	74	31	--	--	--	--	240	--
		5-11-79	--	--	--	--	--	--	--	--	--	--
		6-25-79	--	--	--	--	--	--	--	--	--	--
43	353534108354701	01-19-82	--	--	110	110	--	400	6	54	--	2.3
		3-24-82	--	--	120	170	--	550	8	55	--	3.5
44	353536108354901	01-19-82	--	--	230	120	--	400	5	45	--	3.5
		3-24-82	--	--	230	120	--	430	6	46	--	3.5
45	353534108355001	03-26-74	--	--	1800	51	--	270	2	11	--	1.6
46	353535108355003	01-19-82	--	460	--	--	230	540	5	--	--	--
		3-24-82	--	470	--	--	240	400	4	--	--	--
		8-24-82	--	--	--	--	--	--	--	--	--	--
		12-09-82	--	470	--	--	220	360	10	--	--	--
		12-09-82	--	460	--	--	230	390	--	--	--	--
		7-29-87	--	--	450	130	--	390	4	33	--	2.0
47	353535108355004	01-19-82	--	240	--	--	150	1200	15	--	--	--
		3-24-82	--	250	--	--	150	1300	16	--	--	--
48	353535108355005	07-16-87	--	--	--	--	--	--	--	--	--	--
		7-16-87	--	--	130	39	--	230	4	50	--	1.3
49	353536108355001	08-01-79	--	--	170	--	--	270	--	--	--	3.5
		3-24-82	--	--	160	47	--	270	5	50	--	3.1
		12-09-82	--	--	--	--	--	--	--	--	--	--
50	353534108355201	06-22-54	--	--	140	44	--	--	--	--	260	--
		10-06-76	87	--	170	51	--	280	5	49	--	3.7
51	353535108355201	01-19-82	--	--	460	230	--	540	5	36	--	2.3
		3-24-82	--	--	470	240	--	400	4	29	--	3.9
52	353535108355202	01-19-82	--	--	240	150	--	1200	15	69	--	6.6
		3-24-82	--	--	250	150	--	1300	16	69	--	6.2
53	353143108355801	10-15-65	--	--	28	5.4	--	--	--	--	300	--
		9-30-66	--	--	21	4.3	--	--	--	--	290	--
54	353157108361501	10-01-64	--	--	31	8.9	--	--	--	--	290	--
		9-10-69	--	--	21	6.1	--	250	12	--	--	--
55	353204108361501	10-01-64	--	--	31	8.9	--	--	--	--	290	--
56	353158108361601	09-17-75	--	--	26	11	--	160	7	76	--	2.0

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SILICA TOTAL (MG/L- SIO2) (00956)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
39	353209108354101	08-18-64 1-01-67	-- --	14 22	730 570	.40 .30	-- --	-- --	-- --	-- --	-- --	-- --
40	353212108354101	05-09-50	--	7.0	570	.10	--	13	--	--	--	--
41	353141108354601	10-15-65 10-05-66	-- --	80 83	80 74	1.2 1.1	-- --	11 11	-- --	-- --	-- --	-- --
42	353224108354601	11-25-57 5-11-79 6-25-79	-- -- --	11 -- --	620 -- --	.70 -- --	-- -- --	20 -- --	-- -- --	-- -- --	-- -- --	-- -- --
43	353534108354701	01-19-82 3-24-82	-- --	20 24	-- --	1.1 1.1	-- --	3.3 3.5	-- --	16 20	-- --	300 <100
44	353536108354901	01-19-82 3-24-82	-- --	34 40	-- --	.94 .92	-- --	3.8 --	-- --	7 30	-- --	<100 <100
45	353534108355001	03-26-74	--	35	500	.60	--	12	--	--	--	90
46	353535108355003	01-19-82 3-24-82 8-24-82 12-09-82 12-09-82 7-29-87	2.3 3.9 -- 10 9.4 --	33 20 -- 18 20 24	2000 2800 -- 2700 2400 2000	-- -- -- -- -- .56	.9 .9 -- -- -- --	-- -- -- -- -- --	.06 .03 -- -- -- --	-- -- -- -- -- --	18 70 10 18 14 --	-- -- -- -- -- --
47	353535108355004	01-19-82 3-24-82	6.6 6.2	33 36	3100 3200	-- --	2.0 1.9	-- --	4.6 5.2	-- --	65 110	-- --
48	353535108355005	07-16-87 7-16-87	-- --	-- 23	-- 370	-- .51	-- --	-- --	-- --	-- --	-- --	-- --
49	353536108355001	08-01-79 3-24-82 12-09-82	3.5 -- --	29 28 --	460 550 580	-- .57 --	-- -- --	-- -- --	-- -- --	<5 26 12	-- -- --	400 250 270
50	353534108355201	06-22-54 10-06-76	-- --	24 31	310 520	.60 .50	-- --	12 13	-- --	-- --	-- 1	-- --
51	353535108355201	01-19-82 3-24-82	-- --	33 20	-- --	.93 .86	-- --	3.9 4.1	-- --	18 70	-- --	150 500
52	353535108355202	01-19-82 3-24-82	-- --	33 36	-- --	2.0 1.9	-- --	4.6 5.2	-- --	65 110	-- --	110 <100
53	353143108355801	10-15-65 9-30-66	-- --	110 97	110 82	1.3 1.2	-- --	10 11	-- --	-- --	-- --	-- --
54	353157108361501	10-01-64 9-10-69	-- --	34 56	380 200	1.1 .90	-- --	8.9 --	-- --	-- --	-- --	-- --
55	353204108361501	10-01-64	--	34	380	1.1	--	8.9	--	--	--	--
56	353158108361601	09-17-75	--	23	140	.70	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
39	353209108354101	08-18-64 1-01-67	-- --	-- 20	-- --	-- --	-- --	-- 3100	120 260	-- --
40	353212108354101	05-09-50	--	--	--	--	--	--	--	--
41	353141108354601	10-15-65 10-05-66	-- --	-- --	-- --	-- --	-- --	700 1900	30 30	-- --
42	353224108354601	11-25-57 5-11-79 6-25-79	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	1200 -- --	-- -- --	-- -- --
43	353534108354701	01-19-82 3-24-82	-- --	-- --	<1 <1	-- --	-- --	-- --	<100 <100	<5 <5
44	353536108354901	01-19-82 3-24-82	-- --	-- --	<1 <1	-- --	-- --	-- --	-- <100	<5 <5
45	353534108355001	03-26-74	--	290	ND	--	<20	3200	--	--
46	353535108355003	01-19-82 3-24-82 8-24-82 12-09-82 12-09-82 7-29-87	200 500 <100 100 100 --	-- -- -- -- -- --	-- -- -- -- -- --	<1 <10 <1 <1 <1 --	-- -- -- -- -- --	<100 <100 -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --
47	353535108355004	01-19-82 3-24-82	100 <100	-- --	-- --	<1 <1	-- --	760 <100	-- --	-- --
48	353535108355005	07-16-87 7-16-87	-- --	-- --	-- --	-- --	-- --	1 --	-- --	-- --
49	353536108355001	08-01-79 3-24-82 12-09-82	-- -- --	-- -- --	<1 <1 <1	-- -- --	-- -- --	-- -- --	<250 <100 --	<5 <5 <5
50	353534108355201	06-22-54 10-06-76	-- --	-- 180	-- --	-- --	-- --	-- --	-- 20	-- --
51	353535108355201	01-19-82 3-24-82	-- --	-- --	<1 <1	-- --	-- --	-- --	<100 <100	<5 <5
52	353535108355202	01-19-82 3-24-82	-- --	-- --	<1 <1	-- --	-- --	-- --	760 <100	<5 <5
53	353143108355801	10-15-65 9-30-66	-- --	-- --	-- --	-- --	-- --	900 520	40 520	-- --
54	353157108361501	10-01-64 9-10-69	-- --	-- 580	-- --	-- --	-- --	-- --	20 190	-- --
55	353204108361501	10-01-64	--	--	--	--	--	170	20	--
56	353158108361601	09-17-75	--	300	--	--	--	850	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	RADIUM 226, DIS-SOLVED, RADON			LEAD- 210 WATER WHOLE TOTAL (PCI/L) (17501)	URANIUM		SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)
			RADIUM TOTAL (PCI/L) (09501)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)	METHOD (PCI/L) (09511)		NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	
39	353209108354101	08-18-64	--	--	--	--	--	--	--
		1-01-67	--	--	--	--	--	--	--
40	353212108354101	05-09-50	--	--	--	--	--	--	--
41	353141108354601	10-15-65	--	--	--	--	--	--	--
		10-05-66	--	--	--	--	--	--	--
42	353224108354601	11-25-57	--	--	--	--	--	--	--
		5-11-79	--	180	--	--	--	--	--
		6-25-79	--	--	--	--	--	--	--
43	353534108354701	01-19-82	--	--	--	--	--	--	--
		3-24-82	--	--	--	--	--	--	--
44	353536108354901	01-19-82	--	--	--	--	--	--	--
		3-24-82	--	--	--	--	--	--	--
45	353534108355001	03-26-74	--	--	--	--	--	--	
46	353535108355003	01-19-82	.3	--	--	--	--	95	--
		3-24-82	--	--	--	--	--	85	--
		8-24-82	33	--	--	--	--	12	--
		12-09-82	14	--	--	3.0	--	100	--
		12-09-82	16	--	--	--	--	99	--
		7-29-87	--	--	--	--	--	--	--
47	353535108355004	01-19-82	.3	--	--	--	--	15	--
		3-24-82	--	--	--	--	--	39	--
48	353535108355005	07-16-87	--	--	--	--	--	1.8	<4
		7-16-87	--	--	--	--	--	--	--
49	353536108355001	08-01-79	--	--	--	--	--	--	--
		3-24-82	--	--	--	--	--	--	--
		12-09-82	--	--	--	--	--	--	--
50	353534108355201	06-22-54	--	--	--	--	--	--	--
		10-06-76	--	--	.52	--	2.1	--	--
51	353535108355201	01-19-82	--	--	--	--	--	--	--
		3-24-82	--	--	--	--	--	--	--
52	353535108355202	01-19-82	--	--	--	--	--	--	--
		3-24-82	--	--	--	--	--	--	--
53	353143108355801	10-15-65	--	--	--	--	--	--	--
		9-30-66	--	--	--	--	--	--	--
54	353157108361501	10-01-64	--	--	--	--	--	--	--
		9-10-69	--	--	--	--	--	--	--
55	353204108361501	10-01-64	--	--	--	--	--	--	
56	353158108361601	09-17-75	--	--	--	--	--	--	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	DEPTH TO TOP OF WATER- BEARING ZONE (FT) (72002)	DEPTH TO BOT- TOM OF WATER- BEARING ZONE (FT) (72003)
39	353209108354101	08-18-64 1-01-67	-- --	1050 1000	1.43 1.36	1.9 --	-- --	-- --	-- --	-- --	-- --
40	353212108354101	05-09-50	--	987	--	.10	--	--	--	--	--
41	353141108354601	10-15-65 10-05-66	-- --	727 734	-- --	.20 .20	-- --	-- --	-- --	34 --	-- --
42	353224108354601	11-25-57 5-11-79 6-25-79	1090 -- --	1110 -- --	1.51 -- --	.10 -- --	-- -- --	-- -- --	-- -- --	1720 -- --	1970 -- --
43	353534108354701	01-19-82 3-24-82	2090 3060	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
44	353536108354901	01-19-82 3-24-82	2570 2740	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
45	353534108355001	03-26-74	--	3130	4.26	20	9.0	--	--	--	--
46	353535108355003	01-19-82 3-24-82 8-24-82 12-09-82 12-09-82 7-29-87	4400 4410 -- 4160 4140 3850	-- -- -- -- -- 3120	-- -- -- -- -- 5.24	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	6680 6680 6680 6680 6680 6680	-- -- -- -- -- --	-- -- -- -- -- --
47	353535108355004	01-19-82 3-24-82	5230 5330	-- --	-- --	-- --	-- --	-- --	6680 6680	-- --	-- --
48	353535108355005	07-16-87 7-16-87	1130 --	-- 1120	-- 1.52	-- --	-- --	-- --	6682 6682	-- --	-- --
49	353536108355001	08-01-79 3-24-82 12-09-82	1470 1430 --	-- 1480 --	-- 1.94 --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
50	353534108355201	06-22-54 10-06-76	-- --	1250 1430	-- 1.94	13 --	-- --	-- <.50	-- --	-- --	-- --
51	353535108355201	01-19-82 3-24-82	4400 4410	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
52	353535108355202	01-19-82 3-24-82	5230 5330	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
53	353143108355801	10-15-65 9-30-66	-- --	841 789	-- --	.30 .60	-- --	-- --	-- --	-- --	-- --
54	353157108361501	10-01-64 9-10-69	-- --	933 760	-- --	9.2 6.2	-- --	-- --	-- --	26 --	-- --
55	353204108361501	10-01-64	963	933	1.27	9.2	--	--	--	--	--
56	353158108361601	09-17-75	--	533	.72	.50	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 228 DIS- SOLVED (PCI/L AS RA-228) (81366)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)
39	353209108354101	08-18-64 1-01-67	1680.00 --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
40	353212108354101	05-09-50	1680.00	--	--	--	--	--	--	--	--
41	353141108354601	10-15-65 10-05-66	102.00 --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
42	353224108354601	11-25-57 5-11-79 6-25-79	1970.00 -- --	-- -- --	-- -- 5.0	-- -- --	-- -- --	-- -- --	-- -- --	-- 10 --	-- -- --
43	353534108354701	01-19-82 3-24-82	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
44	353536108354901	01-19-82 3-24-82	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
45	353534108355001	03-26-74	90.00	--	--	--	--	--	--	--	--
46	353535108355003	01-19-82 3-24-82 8-24-82 12-09-82 12-09-82 7-29-87	38.00 38.00 38.00 38.00 38.00 38.00	15.16 15.49 -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	-- -- -- -- -- --	11.0 14.5 -- -- 9.9 --
47	353535108355004	01-19-82 3-24-82	-- --	16.86 16.54	-- --	-- --	-- --	-- --	-- --	-- --	8.0 12.7
48	353535108355005	07-16-87 7-16-87	141.00 141.00	-- --	-- 1.8	-- --	-- --	-- --	-- --	-- --	-- --
49	353536108355001	08-01-79 3-24-82 12-09-82	-- -- --	-- -- --	<5.0 -- 5.0	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	16.0 9.3 --
50	353534108355201	06-22-54 10-06-76	-- 90.00	-- 35.40	-- --	-- <18	-- 1.3	-- <3.6	-- 1.2	-- --	-- --
51	353535108355201	01-19-82 3-24-82	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
52	353535108355202	01-19-82 3-24-82	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
53	353143108355801	10-15-65 9-30-66	125.00 125.00	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
54	353157108361501	10-01-64 9-10-69	215.00 215.00	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
55	353204108361501	10-01-64	215.00	--	--	--	--	--	--	--	--
56	353158108361601	09-17-75	148.00	20.00	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)
57	353159108362301	05-11-79 6-25-79	0000 0000	-- --	-- --	-- --	2000 2000	2000 2000	-- --	-- --	-- --	-- --
58	353159108362302	05-11-79 6-25-79	0000 0000	-- --	-- --	-- --	2000 2000	2000 2000	-- --	-- --	-- --	-- --
59	353203108364401	08-07-75	--	--	--	--	--	1008	--	1210	--	8.5
60	353203108364402	08-07-75	--	--	--	--	--	1008	--	1190	--	8.5
61	353158108370901	03-19-65	--	14.5	--	--	--	--	--	1390	--	7.7
62	353710108371801	03-26-74	--	--	--	--	--	1008	5.0	1600	--	8.8
63	353159108375401	03-07-65	--	11.0	--	--	--	--	30	984	--	7.7
64	353214108380701	08-06-53	--	--	--	--	--	--	42	1310	--	--
65	353420108380901	09-24-53 3-06-74	-- --	-- --	-- --	-- --	-- --	-- 1008	4.0 4.0	1330 1380	-- --	-- 8.2
66	353421108381001	07-16-87 7-16-87	0000 0001	-- --	-- --	-- --	1008 1008	1008 1008	-- --	-- --	-- --	-- --
67	353208108382801	08-06-53	--	26.0	--	--	--	--	--	1350	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	-- 1500 1501 1430	-- 15.0 -- 15.5	-- 26.5 -- --	-- 593 -- --	-- 1028 1028 1028	1008 1028 1028 1028	-- -- -- --	1110 1050 -- 1050	-- 4.7 -- --	8.3 7.6 -- 7.6
69	353140108390601	06-12-52	--	28.0	--	--	--	--	--	1510	--	--
70	353140108390602	12-31-57	--	--	--	--	--	--	--	1510	--	8.7
71	353327108391001	01-20-82 3-22-82	1455 1630	10.5 15.0	-- --	-- --	9735 9735	-- --	-- --	-- --	-- --	-- 7.5
72	353326108391301	01-20-82 3-22-82	1515 1740	8.0 16.5	-- --	-- --	9735 9735	-- --	-- --	-- --	-- --	-- 7.7
73	353328108391401	01-20-82 3-22-82	1517 1745	11.5 11.5	-- --	-- --	9735 9735	-- --	-- --	-- --	-- --	-- 7.5
74	353345108392601	03-19-65	--	11.0	--	--	--	--	--	1390	--	7.7
75	352300108393701	04-26-78	1000	14.0	--	--	9735	--	--	1000	--	7.6
76	353333108394201	03-07-65	--	11.0	--	--	--	--	--	984	--	7.7
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	1800 1430 1330 0930 1804	14.0 12.0 13.0 14.0 13.5	-- -- -- -- --	-- -- -- -- --	9735 9735 9735 9735 9735	-- -- -- -- --	-- -- -- -- --	2550 2690 2690 2930 2570	-- -- -- -- --	7.7 -- 7.1 7.2 7.4

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	PH LAB (STAND- ARD UNITS) (00403)	CARBON	ALKA-	ALKA-	BICAR-	CAR-	BICAR-	BICAR-
				DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
57	353159108362301	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
58	353159108362302	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
59	353203108364401	08-07-75	--	1.3	524	--	470	83	--	--
60	353203108364402	08-07-75	--	1.9	315	--	260	61	--	--
61	353158108370901	03-19-65	--	12	312	--	380	--	--	--
62	353710108371801	03-26-74	--	1.5	482	--	500	43	--	--
63	353159108375401	03-07-65	--	16	418	--	510	--	--	--
64	353214108380701	08-06-53	--	--	213	--	260	--	--	--
65	353420108380901	09-24-53 3-06-74	-- --	-- 6.9	640 557	-- --	780 640	-- 19	-- --	-- --
66	353421108381001	07-16-87 7-16-87	-- --	-- --	-- --	-- --	-- --	-- --	-- --	635 --
67	353208108382801	08-06-53	--	--	197	--	240	--	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	-- 7.8 -- 7.8	-- -- -- --	269 282 -- --	-- 282 -- --	300 -- -- --	14 -- -- --	-- 344 -- --	-- -- -- 344
69	353140108390601	06-12-52	--	--	230	--	280	--	--	--
70	353140108390602	12-31-57	--	.9	233	--	260	13	--	--
71	353327108391001	01-20-82 3-22-82	-- --	-- --	-- --	-- --	290 290	-- --	-- --	-- --
72	353326108391301	01-20-82 3-22-82	-- --	-- --	-- --	-- --	360 400	-- --	-- --	-- --
73	353328108391401	01-20-82 3-22-82	-- --	-- --	-- --	-- --	290 300	-- --	-- --	-- --
74	353345108392601	03-19-65	--	12	312	--	380	--	--	--
75	352300108393701	04-26-78	--	--	--	--	610	--	--	--
76	353333108394201	03-07-65	--	16	418	--	510	--	--	--
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	560 500 560 560 560	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
57	353159108362301	05-11-79 6-25-79	--	--	--	--	--	--	--	--	--	--
58	353159108362302	05-11-79 6-25-79	--	--	--	--	--	--	--	--	--	--
59	353203108364401	08-07-75	--	--	.140	--	--	--	--	--	--	--
60	353203108364402	08-07-75	--	--	.140	--	--	--	--	--	--	--
61	353158108370901	03-19-65	--	--	6.60	--	--	--	--	--	--	--
62	353710108371801	03-26-74	--	--	1.30	--	--	--	.27	--	--	--
63	353159108375401	03-07-65	--	--	.050	--	--	--	--	--	--	--
64	353214108380701	08-06-53	--	--	.090	--	--	--	--	--	--	--
65	353420108380901	09-24-53 3-06-74	--	--	.070 2.90	--	--	--	--	--	--	--
66	353421108381001	07-16-87 7-16-87	--	--	--	.200	--	--	--	--	--	--
67	353208108382801	08-06-53	--	--	.050	--	--	--	--	--	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	-- .110 -- --	-- <.010 -- --	.840 -- -- --	-- -- -- --	-- .30 -- --	-- <.100 -- --	.02 -- -- --	-- .010 -- --	-- <.010 -- --	-- 1.1 -- --
69	353140108390601	06-12-52	--	--	.050	--	--	--	--	--	--	--
70	353140108390602	12-31-57	--	--	.050	--	--	--	--	--	--	--
71	353327108391001	01-20-82 3-22-82	.090 --	-- --	-- --	-- --	-- --	.030 --	-- --	-- --	-- --	-- --
72	353326108391301	01-20-82 3-22-82	.110 --	-- --	-- --	-- --	-- --	.040 --	-- --	-- --	-- --	-- --
73	353328108391401	01-20-82 3-22-82	.110 --	-- --	-- --	-- --	-- --	.920 --	-- --	-- --	-- --	-- --
74	353345108392601	03-19-65	--	--	6.60	--	--	--	--	--	--	--
75	352300108393701	04-26-78	2.06	--	--	--	--	.010	--	--	--	--
76	353333108394201	03-07-65	--	--	.050	--	--	--	--	--	--	--
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	.265 .510 .620 .400 .530	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	.004 .010 .010 .040 <.010	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	HARD-	HARD-	CALCIUM	MAGNE-	SODIUM,	SODIUM,	SODIUM	SODIUM+	POTAS-	CHLO-
			NESS TOTAL (MG/L AS CACO3) (00900)	NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)								
57	353159108362301	05-11-79 6-25-79	--	--	--	--	--	--	--	--	--	--
58	353159108362302	05-11-79 6-25-79	--	--	--	--	--	--	--	--	--	--
59	353203108364401	08-07-75	80	--	22	6.1	280	14	88	--	1.0	82
60	353203108364402	08-07-75	75	--	22	4.8	260	13	88	--	.80	50
61	353158108370901	03-19-65	350	39	98	26	--	--	--	190	--	50
62	353710108371801	03-26-74	45	--	14	2.4	340	22	--	--	--	83
63	353159108375401	03-07-65	370	--	52	59	--	--	--	120	--	23
64	353214108380701	08-06-53	39	--	12	2.2	--	--	--	300	--	44
65	353420108380901	09-24-53 3-06-74	280 250	--	80 62	19 23	-- 260	-- 7	-- 69	230 --	-- 1.0	26 44
66	353421108381001	07-16-87 7-16-87	260 --	--	73 --	19 --	220 --	6 --	65 --	-- --	1.0 --	21 --
67	353208108382801	08-06-53	420	220	100	41	--	--	--	160	--	24
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	130 190 -- 200	--	34 49 -- 51	11 17 -- 17	200 180 -- 180	8 6 -- 6	77 67 -- 66	-- -- -- --	.10 2.6 -- 2.4	20 7.9 -- 7.2
69	353140108390601	06-12-52	120	--	29	12	--	--	--	310	--	50
70	353140108390602	12-31-57	160	--	39	14	--	--	--	290	--	33
71	353327108391001	01-20-82 3-22-82	920 890	--	300 270	43 53	48 51	.7 .7	10 11	-- --	2.3 2.3	8.7 11
72	353326108391301	01-20-82 3-22-82	630 620	--	200 200	33 32	46 48	.8 .8	14 14	-- --	3.5 3.1	12 15
73	353328108391401	01-20-82 3-22-82	1500 1200	--	490 370	69 66	69 60	.8 .8	9 10	-- --	4.7 3.1	9.6 11
74	353345108392601	03-19-65	350	--	98	26	190	4	--	--	--	50
75	352300108393701	04-26-78	--	--	62	--	140	--	--	--	1.6	21
76	353333108394201	03-07-65	370	--	52	59	120	3	--	--	--	23
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	370 390 400 410 330	--	110 120 120 140 96	25 23 27 18 21	470 480 490 520 480	11 11 11 11 12	73 73 73 73 76	-- -- -- -- --	1.6 1.2 3.9 5.5 --	79 91 89 100 80

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SiO ₂) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
57	353159108362301	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
58	353159108362302	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
59	353203108364401	08-07-75	39	1.2	--	--	--	--	--	540	--
60	353203108364402	08-07-75	210	1.3	--	--	--	--	--	260	--
61	353158108370901	03-19-65	340	.50	--	11	--	--	--	--	--
62	353710108371801	03-26-74	220	2.6	--	8.6	--	10	--	740	--
63	353159108375401	03-07-65	170	.60	--	13	--	--	--	--	--
64	353214108380701	08-06-53	400	.50	--	15	--	--	--	--	--
65	353420108380901	09-24-53 3-06-74	91 140	1.4 1.6	-- --	5.8 9.6	-- --	-- --	-- --	-- 670	-- --
66	353421108381001	07-16-87 7-16-87	140 --	-- --	.8 --	-- --	-- --	-- --	-- --	-- --	-- --
67	353208108382801	08-06-53	510	.30	--	13	--	--	--	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	290 290 -- 310	.30 .30 -- .20	-- -- -- --	15 <.01 -- 17	-- <1 -- --	-- 12 -- --	-- <.5 -- --	200 -- -- 120	-- -- -- --
69	353140108390601	06-12-52	460	.60	--	13	--	--	--	--	--
70	353140108390602	12-31-57	490	.50	--	31	--	--	--	--	--
71	353327108391001	01-20-82 3-22-82	-- --	.81 .75	-- --	3.6 3.7	6 33	100 100	-- --	-- --	<1 <1
72	353326108391301	01-20-82 3-22-82	-- --	.62 .54	-- --	4.0 4.5	<5 11	200 200	-- --	-- --	<1 <1
73	353328108391401	01-20-82 3-22-82	-- --	.73 .75	-- --	3.8 3.8	9 10	230 200	-- --	-- --	<1 <1
74	353345108392601	03-19-65	340	.50	--	11	--	--	--	--	--
75	352300108393701	04-26-78	--	--	--	--	--	--	--	--	--
76	353333108394201	03-07-65	170	.60	--	13	--	--	--	--	--
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	790 820 810 960 810	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	<5 <5 <5 <5 <5	10 <100 110 <100 <100	-- -- -- -- --	-- -- -- -- --	-- -- -- -- <1

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
57	353159108362301	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --
58	353159108362302	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --
59	353203108364401	08-07-75	--	--	--	--	--	--	--
60	353203108364402	08-07-75	--	--	--	--	--	--	--
61	353158108370901	03-19-65	--	--	--	--	--	--	--
62	353710108371801	03-26-74	--	--	--	160	<10	--	8
63	353159108375401	03-07-65	--	--	--	--	--	--	--
64	353214108380701	08-06-53	--	--	--	--	--	--	--
65	353420108380901	09-24-53 3-06-74	-- --	-- --	-- --	-- --	-- --	-- --	-- --
66	353421108381001	07-16-87 7-16-87	-- --	-- --	-- --	-- 3	-- --	-- --	-- --
67	353208108382801	08-06-53	--	--	--	--	--	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	-- <1 -- --	-- <3 -- --	-- <1 -- --	-- -- -- --	-- 680 1900 620	-- <5 -- --	-- 140 150 130
69	353140108390601	06-12-52	--	--	--	--	--	--	--
70	353140108390602	12-31-57	--	--	--	--	--	--	--
71	353327108391001	01-20-82 3-22-82	-- --	-- --	-- --	-- --	-- <100 <100	-- <5 <5	-- --
72	353326108391301	01-20-82 3-22-82	-- --	-- --	-- --	-- --	-- 130 <100	-- <5 <5	-- --
73	353328108391401	01-20-82 3-22-82	-- --	-- --	-- --	-- --	-- <100	-- <5 <5	-- --
74	353345108392601	03-19-65	--	--	--	--	--	--	--
75	352300108393701	04-26-78	--	--	--	--	--	--	--
76	353333108394201	03-07-65	--	--	--	--	--	--	--
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- <5	-- -- -- -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (D1085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
57	353159108362301	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
58	353159108362302	05-11-79 6-25-79	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
59	353203108364401	08-07-75	--	--	--	--	--	--	--	--	--
60	353203108364402	08-07-75	--	--	--	--	--	--	--	--	--
61	353158108370901	03-19-65	--	--	--	--	--	--	--	--	--
62	353710108371801	03-26-74	--	--	--	--	--	6	--	--	--
63	353159108375401	03-07-65	--	--	--	--	--	--	--	--	--
64	353214108380701	08-06-53	--	--	--	--	--	--	--	--	--
65	353420108380901	09-24-53 3-06-74	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
66	353421108381001	07-16-87 7-16-87	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
67	353208108382801	08-06-53	--	--	--	--	--	--	--	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	-- <10 -- --	-- 3 -- --	-- <1.0 -- --	-- 2000 -- 2100	-- <6 -- --	-- 200 -- --	-- <10 <10 <10	-- 60 -- --	-- <1 -- -- --
69	353140108390601	06-12-52	--	--	--	--	--	--	--	--	--
70	353140108390602	12-31-57	--	--	--	--	--	--	--	--	--
71	353327108391001	01-20-82 3-22-82	<10 <10	-- --	-- --	-- --	-- --	-- --	<250 250	-- --	<5 17
72	353326108391301	01-20-82 3-22-82	<10 <10	-- --	-- --	-- --	-- --	-- --	540 250	-- --	<5 20
73	353328108391401	01-20-82 3-22-82	<10 <10	-- --	-- --	-- --	-- --	-- --	-- <250	-- --	<5 19
74	353345108392601	03-19-65	--	--	--	--	--	--	--	--	--
75	352300108393701	04-26-78	--	--	--	--	--	--	--	--	--
76	353333108394201	03-07-65	--	--	--	--	--	--	--	--	--
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	<10 <10 <5 <5 <10	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	<5 <5 6 6 6

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	GROSS ALPHA, TOTAL (PCI/L) (01501)	GROSS ALPHA, DIS- SOLVED AS (PCI/L) (01515)	GROSS BETA, DIS- SOLVED AS (PCI/L) (03515)	GROSS BETA TOTAL (PCI/L) (03519)	TRITIUM TOTAL (PCI/L) (07000)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)
57	353159108362301	05-11-79 6-25-79	--	<5.0	--	--	--	--	--	--
			--	<5.0	--	--	--	--	--	--
58	353159108362302	05-11-79 6-25-79	--	<5.0	--	--	--	--	--	--
			--	<4.0	--	--	--	--	--	--
59	353203108364401	08-07-75	--	--	--	--	--	--	--	--
60	353203108364402	08-07-75	--	--	--	--	--	--	--	--
61	353158108370901	03-19-65	--	--	--	--	--	--	--	--
62	353710108371801	03-26-74	--	--	--	--	--	--	--	--
63	353159108375401	03-07-65	--	--	--	--	--	--	--	--
64	353214108380701	08-06-53	--	--	--	--	--	--	--	--
65	353420108380901	09-24-53 3-06-74	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
66	353421108381001	07-16-87 7-16-87	--	.7	2.1	--	--	--	--	--
			2.3	--	--	3.3	--	.40	--	11
67	353208108382801	08-06-53	--	--	--	--	--	--	--	--
68	353548108383801	03-26-74 7-01-87 7-01-87 7-14-88	--	--	--	--	--	--	--	--
			--	--	--	--	.3	--	--	--
			--	--	--	--	--	--	282	--
			--	--	--	--	--	--	--	--
69	353140108390601	06-12-52	--	--	--	--	--	--	--	--
70	353140108390602	12-31-57	--	--	--	--	--	--	--	--
71	353327108391001	01-20-82 3-22-82	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
72	353326108391301	01-20-82 3-22-82	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
73	353328108391401	01-20-82 3-22-82	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
74	353345108392601	03-19-65	--	--	--	--	--	--	--	--
75	352300108393701	04-26-78	--	--	--	--	--	--	--	--
76	353333108394201	03-07-65	--	--	--	--	--	--	--	--
77	353220108400001	04-25-78 1-22-79 5-21-79 8-21-79 9-25-79	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--
			--	12	10	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	BICAR- BONATE WATER FIELD MG/L AS HCO3 (00440)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	
77	353220108400001	10-22-79	1825	13.5	9735	--	--	--	--	--	560	--	
		12-04-79	1317	15.0	9735	--	--	2610	7.7	--	560	--	
		1-09-80	0901	14.0	9735	--	--	2760	--	--	550	--	
		2-12-80	1551	13.0	9735	--	--	2540	7.6	--	550	--	
		3-04-80	1124	13.0	9735	--	--	2610	7.4	--	550	--	
		4-07-80	1815	13.0	9735	--	--	2600	7.4	--	560	--	
		5-14-80	1730	12.5	9735	--	--	2570	7.5	--	550	--	
		6-09-80	1906	13.0	9735	--	--	2530	7.3	--	640	--	
		7-09-80	1850	13.0	9735	--	--	2550	7.1	--	540	--	
		7-19-80	1850	--	9735	--	--	--	--	--	--	--	--
		9-02-80	1915	14.0	9735	--	--	2620	7.4	--	540	--	
		10-01-80	1745	14.0	9735	--	--	2590	7.3	--	540	--	
		11-06-80	1030	13.0	9735	--	--	2610	7.3	--	540	--	
		11-13-80	1445	12.0	9735	--	--	952	7.9	--	230	--	
		12-09-80	1435	13.5	9735	--	--	--	7.3	--	550	--	
		2-18-81	1448	13.5	9735	--	--	--	7.3	--	570	--	
		4-01-81	1242	14.0	9735	--	--	--	7.5	--	570	--	
		6-29-81	1834	13.0	9735	--	--	--	7.5	--	560	--	
		10-27-81	1510	14.0	9735	--	--	--	7.3	--	560	--	
		1-21-82	1005	6.0	9735	--	--	--	7.4	--	590	--	
		3-25-82	1142	14.5	9735	--	--	--	7.3	--	580	--	
		7-28-87	0000	--	1008	1008	--	--	--	--	--	--	440
		78	353220108400002	04-25-78	1630	16.5	9735	--	--	1770	7.6	--	520
1-22-79	1300			12.0	9735	--	--	1740	--	--	450	--	
5-21-79	1600			15.0	9735	--	--	1740	7.0	--	500	--	
8-21-79	1010			15.0	9735	--	--	1740	7.4	--	510	--	
9-26-79	1120			16.0	9735	--	--	1700	7.5	--	510	--	
10-22-79	1700			15.0	9735	--	--	--	--	--	500	--	
12-04-79	1349			15.0	9735	--	--	1720	7.7	--	490	--	
1-09-80	0929			13.5	9735	--	--	1760	--	--	480	--	
2-12-80	1625			12.0	9735	--	--	1760	7.7	--	480	--	
3-04-80	1150			12.5	9735	--	--	1810	7.3	--	470	--	
4-07-80	1845			12.5	9735	--	--	1550	7.2	--	490	--	
5-14-80	1753			12.5	9735	--	--	1820	7.5	--	480	--	
6-09-80	1826			14.0	9735	--	--	1610	7.2	--	500	--	
7-09-80	1815			14.0	9735	--	--	1680	7.1	--	500	--	
9-02-80	1850			14.0	9735	--	--	1780	7.1	--	500	--	
10-02-80	0925			14.0	9735	--	--	1660	7.3	--	510	--	
11-05-80	1600			15.0	9735	--	--	1610	7.3	--	520	--	
12-09-80	1545			13.0	9735	--	--	--	7.2	--	520	--	
4-01-81	1302			15.0	9735	--	--	--	7.3	--	530	--	
6-29-81	1756			14.0	9735	--	--	--	7.5	--	540	--	
10-27-81	1600			14.0	9735	--	--	--	7.2	--	520	--	
1-21-82	1145			13.0	9735	--	--	--	7.3	--	530	--	
3-25-82	1245			--	9735	--	--	--	--	--	430	--	
7-29-87	0000	--	1008	1008	--	--	--	--	--	--	451		
79	353220108400003	04-25-78	1500	13.0	9735	--	1500	1740	7.3	1210	440	--	
		8-02-78	1135	--	9735	--	--	--	--	--	--	--	
		10-04-78	1230	13.5	9735	--	1230	1380	7.0	1000	300	--	
		5-21-79	1430	12.0	9735	--	1700	1850	6.8	1350	240	--	
		8-02-79	1135	12.5	9735	--	1880	2040	6.8	1510	280	--	
		8-20-79	1715	14.0	9735	--	2210	2630	7.0	1810	240	--	
		9-25-79	1616	13.5	9735	--	3440	3550	6.9	2800	390	--	
		10-23-79	1135	13.5	9735	--	3000	--	--	2430	360	--	
		12-04-79	1135	14.0	9735	--	2790	3060	7.4	2280	340	--	
		1-08-80	1622	13.0	9735	--	2170	2270	--	1750	330	--	
		2-12-80	1440	12.5	9735	--	2040	2280	7.6	1630	300	--	
		3-04-80	0930	12.0	9735	--	2100	2210	7.2	1670	240	--	
		4-07-80	1700	12.0	9735	--	2280	2550	7.1	1810	270	--	
		5-14-80	1625	12.0	9735	--	2600	2740	7.3	2060	270	--	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 SOLVED (MG/L AS N) (00631)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)
			77	353220108400001	10-22-79	.560	--	--	--	.010	380	110
12-04-79	.490	--			--	--	.040	370	120	20	490	11
1-09-80	.400	--			--	--	.010	400	120	22	500	11
2-12-80	.570	--			--	--	.020	370	110	22	490	11
3-04-80	.590	--			--	--	.100	390	120	19	510	11
4-07-80	.480	--			--	--	.070	370	120	19	500	11
5-14-80	.650	--			--	--	20.0	370	99	29	470	11
6-09-80	.560	--			--	--	.010	350	110	20	490	11
7-09-80	.567	--			--	--	.019	310	110	8.7	490	12
7-19-80	--	--			--	--	--	6	--	--	--	--
9-02-80	.590	--			--	--	.010	360	120	17	500	11
10-01-80	.600	--			--	--	.030	370	110	24	500	11
11-06-80	.550	--			--	--	.033	380	110	22	510	11
11-13-80	.780	.840			--	3.19	2.34	160	49	8.8	150	5
12-09-80	.553	--			--	--	.040	370	110	21	500	11
2-18-81	.665	--			--	--	.030	370	110	20	500	11
4-01-81	.450	--			--	--	.055	370	110	22	500	11
6-29-81	.500	--			--	--	.040	360	110	21	510	12
10-27-81	.590	--			--	--	.020	370	110	23	510	11
1-21-82	.520	--			--	--	8.00	300	100	10	490	12
3-25-82	.130	--			--	--	.070	340	100	20	500	12
7-28-87	--	--	.100	--	--	150	47	8.2	290	10		
78	353220108400002	04-25-78	.015	--	--	--	.031	240	78	12	300	8
		1-22-79	.016	--	--	--	.090	230	74	12	300	9
		5-21-79	.043	--	--	--	.140	250	79	12	290	8
		8-21-79	.052	--	--	--	.130	--	74	--	310	--
		9-26-79	.010	--	--	--	.080	210	59	15	300	9
		10-22-79	.010	--	--	--	.100	250	77	13	280	8
		12-04-79	.021	--	--	--	.100	250	77	13	310	9
		1-09-80	.020	--	--	--	.080	260	81	14	310	8
		2-12-80	.123	--	--	--	.080	260	79	16	320	8
		3-04-80	.110	--	--	--	.150	250	83	9.5	320	9
		4-07-80	.059	--	--	--	.140	250	79	13	310	8
		5-14-80	.130	--	--	--	.014	260	73	18	310	8
		6-09-80	.080	--	--	--	.080	250	74	15	300	8
		7-09-80	.089	--	--	--	.089	220	74	8.3	310	9
		9-02-80	.038	--	--	--	.100	240	76	13	310	9
		10-02-80	.071	--	--	--	.090	250	73	15	300	8
		11-05-80	.060	--	--	--	.080	230	74	12	300	9
		12-09-80	.081	--	--	--	.090	230	71	14	300	8
		4-01-81	.053	--	--	--	.072	240	73	14	300	8
		6-29-81	.170	--	--	--	.060	230	72	12	300	9
		10-27-81	.060	--	--	--	.060	230	67	15	290	8
1-21-82	.070	--	--	--	.070	220	67	12	290	9		
3-25-82	.820	--	--	--	.140	270	64	25	290	8		
7-29-87	--	--	.100	--	--	180	54	11	250	8		
79	353220108400003	04-25-78	.210	--	--	--	.041	470	120	40	240	5
		8-02-78	--	--	--	--	--	--	--	--	--	--
		10-04-78	.176	--	--	--	.220	450	120	40	150	3
		5-21-79	.310	--	--	--	.250	670	200	42	150	3
		8-02-79	.740	--	--	--	.270	720	230	38	210	3
		8-20-79	.055	--	--	--	2.06	1200	340	82	200	3
		9-25-79	.010	--	--	--	2.62	1800	510	130	270	3
		10-23-79	.080	--	--	--	3.88	1600	480	92	260	3
		12-04-79	.013	--	--	--	.970	1400	430	86	240	3
		1-08-80	.025	--	--	--	3.55	1000	300	65	190	3
		2-12-80	.070	--	--	--	3.53	930	280	58	180	3
		3-04-80	.079	--	--	--	3.39	1100	280	94	180	2
		4-07-80	.036	--	--	--	3.49	1100	320	77	210	3
		5-14-80	.140	--	--	--	.947	1300	360	98	220	3

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADIUM DIS- SOLVED (UG/L AS CD) (01025)	
77	353220108400001	10-22-79	72	3.5	87	820	--	<5	--	<100	--	--	
		12-04-79	74	1.6	86	820	--	<5	--	<100	--	<1	
		1-09-80	73	1.6	91	890	--	<5	--	<100	--	<1	
		2-12-80	74	1.2	82	760	--	<5	--	100	--	<1	
		3-04-80	74	1.6	88	840	--	<5	--	100	--	<1	
		4-07-80	74	1.6	85	790	--	<5	--	<100	--	<1	
		5-14-80	74	.39	76	800	--	<5	--	<100	--	<1	
		6-09-80	75	1.6	83	800	--	5	--	<100	--	<1	
		7-09-80	77	1.2	82	840	--	<5	--	<100	--	<1	
		7-19-80	--	--	--	--	--	--	--	--	--	--	--
		9-02-80	75	2.0	82	810	--	5	--	<100	--	<1	
		10-01-80	75	1.6	82	820	--	<5	--	<100	--	<1	
		11-06-80	74	3.5	82	840	--	8	--	<100	--	<1	
		11-13-80	67	3.9	20	240	--	<5	15	<100	1300	<1	
		12-09-80	75	1.6	84	930	--	<5	--	<100	--	<1	
		2-18-81	75	1.2	87	860	--	--	--	--	--	--	--
		4-01-81	75	.39	95	860	--	<5	--	220	--	2	
		6-29-81	75	.39	90	870	--	5	--	<100	--	<1	
		10-27-81	75	.78	100	910	--	9	--	<100	--	<1	
		1-21-82	78	.78	80	--	--	12	--	<100	--	<1	
		3-25-82	76	.80	84	--	--	--	--	200	--	<1	
		7-28-87	81	.79	42	300	.99	--	--	--	--	--	--
		78	353220108400002	04-25-78	73	1.2	54	440	--	<5	--	10	--
1-22-79	73			1.6	55	470	--	7	--	<100	--	--	
5-21-79	72			3.1	56	400	--	<5	--	<100	--	--	
8-21-79	--			2.3	56	390	--	<5	--	200	--	--	
9-26-79	76			--	52	420	--	<5	--	<100	--	<1	
10-22-79	71			1.6	54	430	--	<5	--	<100	--	--	
12-04-79	73			1.6	56	420	--	<5	--	<100	--	<1	
1-09-80	72			1.6	60	440	--	<5	--	<100	--	<1	
2-12-80	72			1.2	57	430	--	<5	--	<100	--	<1	
3-04-80	74			1.2	61	470	--	<5	--	<100	--	<1	
4-07-80	73			1.2	55	410	--	<5	--	100	--	<1	
5-14-80	72			.39	53	450	--	<5	--	<100	--	<1	
6-09-80	72			1.2	53	380	--	<5	--	<100	--	<1	
7-09-80	75			1.2	53	410	--	<5	--	130	--	<1	
9-02-80	74			1.6	54	390	--	<5	--	<100	--	<1	
10-02-80	73			1.6	51	390	--	<5	--	<100	--	<1	
11-05-80	74			3.1	48	370	--	8	--	<100	--	<1	
12-09-80	73			1.2	51	410	--	<5	--	<100	--	<1	
4-01-81	73			--	56	390	--	<5	--	160	--	4	
6-29-81	74			.78	53	380	--	<5	--	<100	--	<1	
10-27-81	74			.39	50	360	--	<5	--	<100	--	<1	
1-21-82	75			.78	48	340	--	5	--	<100	--	<1	
3-25-82	70			1.2	49	350	--	8	--	200	--	<1	
7-29-87	75	.58	42	220	.71	--	--	--	--	--	--		
79	353220108400003	04-25-78	52	2.7	41	550	--	<5	--	10	--	--	
		8-02-78	--	--	--	--	--	--	--	--	--	--	
		10-04-78	42	6.7	31	410	--	<5	--	--	--	--	
		5-21-79	33	3.9	73	650	--	<5	--	<100	--	--	
		8-02-79	39	3.5	85	880	--	<5	--	100	--	<1	
		8-20-79	27	5.5	110	1100	--	<5	--	<100	--	--	
		9-25-79	24	4.7	110	1800	--	6	--	790	--	<1	
		10-23-79	26	9.0	80	1700	--	<5	--	120	--	--	
		12-04-79	26	6.6	71	1500	--	<5	--	230	--	<1	
		1-08-80	28	5.5	50	1000	--	<5	--	190	--	<1	
		2-12-80	30	5.1	59	940	--	<5	--	210	--	<1	
		3-04-80	27	4.7	65	930	--	<5	--	110	--	<1	
		4-07-80	29	5.1	87	1200	--	<5	--	100	--	<1	
		5-14-80	27	4.3	95	1300	--	8	--	290	--	<1	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CADMIUM		COBALT,		COPPER,		IRON,		LEAD,		MANGA- NESE,	
			TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	DIS- SOLVED (UG/L AS CO) (01035)	TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	DIS- SOLVED (UG/L AS CU) (01040)	TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	DIS- SOLVED (UG/L AS FE) (01046)	TOTAL RECOV- ERABLE (UG/L AS PB) (01049)	DIS- SOLVED (UG/L AS PB) (01051)	TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	DIS- SOLVED (UG/L AS MN) (01056)		
77	353220108400001	10-22-79	--	--	--	--	--	--	--	--	<5	--	--	--
		12-04-79	--	--	--	--	--	--	--	--	<5	--	--	--
		1-09-80	--	--	--	--	--	--	--	--	<5	--	--	--
		2-12-80	--	--	--	--	--	--	--	--	<5	--	--	--
		3-04-80	--	--	--	--	--	--	--	--	<5	--	--	--
		4-07-80	--	--	--	--	--	--	--	--	<5	--	--	--
		5-14-80	--	--	--	--	--	--	--	--	<5	--	--	--
		6-09-80	--	--	--	--	--	--	--	--	<5	--	--	--
		7-09-80	--	--	--	--	--	--	--	--	<5	--	--	--
		7-19-80	--	--	--	--	--	--	--	--	--	--	--	--
		9-02-80	--	--	--	--	--	--	--	--	<5	--	--	--
		10-01-80	--	<5	--	--	--	--	--	--	<5	--	--	--
		11-06-80	--	<5	--	--	--	--	<300	<5	--	--	--	--
		11-13-80	1	<5	<5	--	--	46000	<300	<5	14	1100	<100	--
		12-09-80	--	<5	--	--	--	--	<500	<5	--	--	--	--
		2-18-81	--	--	--	--	--	--	--	--	--	--	--	--
		4-01-81	--	--	--	--	--	--	--	<5	--	--	--	--
		6-29-81	--	--	--	--	--	--	--	<5	--	--	--	--
		10-27-81	--	--	--	--	--	--	--	<5	--	--	--	--
		1-21-82	--	--	--	--	--	--	<100	<5	--	--	--	--
3-25-82	--	--	--	--	--	--	<100	<5	--	--	--	--		
7-28-87	--	--	--	--	--	--	--	--	--	--	--	1		
78	353220108400002	04-25-78	--	--	--	--	--	--	--	--	--	--	--	--
		1-22-79	--	--	--	--	--	--	--	--	--	--	--	--
		5-21-79	--	--	--	--	--	--	--	--	--	--	--	--
		8-21-79	--	--	--	--	--	--	--	--	--	--	--	--
		9-26-79	--	--	--	--	--	--	--	--	<5	--	--	--
		10-22-79	--	--	--	--	--	--	--	--	<5	--	--	--
		12-04-79	--	--	--	--	--	--	--	--	<5	--	--	--
		1-09-80	--	--	--	--	--	--	--	--	<5	--	--	--
		2-12-80	--	--	--	--	--	--	--	--	<5	--	--	--
		3-04-80	--	--	--	--	--	--	--	--	<5	--	--	--
		4-07-80	--	--	--	--	--	--	--	--	<5	--	--	--
		5-14-80	--	--	--	--	--	--	--	--	<5	--	--	--
		6-09-80	--	--	--	--	--	--	--	--	<5	--	--	--
		7-09-80	--	--	--	--	--	--	--	--	<5	--	--	--
		9-02-80	--	--	--	--	--	--	--	--	<5	--	--	--
		10-02-80	--	<5	--	--	--	--	--	--	<5	--	--	--
		11-05-80	--	<5	--	--	--	--	<300	<5	--	--	--	--
		12-09-80	--	<5	--	--	--	--	<500	<5	--	--	--	--
		4-01-81	--	--	--	--	--	--	--	--	<5	--	--	--
		6-29-81	--	--	--	--	--	--	--	--	<5	--	--	--
10-27-81	--	--	--	--	--	--	--	--	<5	--	--	--		
1-21-82	--	--	--	--	--	--	<100	<5	--	--	--	--		
3-25-82	--	--	--	--	--	--	<100	<5	--	--	--	--		
7-29-87	--	--	--	--	--	--	--	--	--	--	--	--		
79	353220108400003	04-25-78	--	--	--	--	--	--	--	--	--	--	--	--
		8-02-78	--	--	--	--	--	--	--	--	--	--	--	--
		10-04-78	--	--	--	--	--	--	--	--	--	--	--	--
		5-21-79	--	--	--	--	--	--	--	--	--	--	--	--
		8-02-79	--	--	--	--	--	--	--	--	<5	--	--	--
		8-20-79	--	--	--	--	--	--	--	20	--	--	--	--
		9-25-79	--	--	--	--	--	--	--	--	<5	--	--	--
		10-23-79	--	--	--	--	--	--	--	--	<5	--	--	--
		12-04-79	--	--	--	--	--	--	--	--	<5	--	--	--
		1-08-80	--	--	--	--	--	--	--	--	<5	--	--	--
		2-12-80	--	--	--	--	--	--	--	--	<5	--	--	--
		3-04-80	--	--	--	--	--	--	--	--	<5	--	--	--
		4-07-80	--	--	--	--	--	--	--	--	<5	--	--	--
		5-14-80	--	--	--	--	--	--	--	--	<5	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MOLYB-	MOLYB-	VANA-	ZINC,	ALUM-	ALUM-	SELE-	SELE-	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	
			DENUM, DIS- SOLVED (UG/L AS MO) (01060)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	DIUM, DIS- SOLVED (UG/L AS V) (01085)	SOLVED (UG/L AS ZN) (01090)	INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	INUM, DIS- SOLVED (UG/L AS AL) (01106)	NIUM, DIS- SOLVED (UG/L AS SE) (01145)	NIUM, TOTAL (UG/L AS SE) (01147)		GROSS ALPHA, TOTAL (PCI/L) (01501)
77	353220108400001	10-22-79	<5	--	--	--	--	--	23	--	--	3.5
		12-04-79	<4	--	--	--	--	--	6	--	--	13
		1-09-80	<1	--	--	--	--	--	7	--	--	20
		2-12-80	<10	--	--	--	--	--	<5	--	--	18
		3-04-80	<10	--	--	--	--	--	6	--	--	13
		4-07-80	<10	--	--	--	--	--	6	--	--	15
		5-14-80	<10	--	--	--	--	--	<5	--	--	18
		6-09-80	<10	--	--	--	--	--	7	--	--	14
		7-09-80	<10	--	--	--	--	--	8	--	--	12
		7-19-80	--	--	--	--	--	--	--	--	--	--
		9-02-80	<5	--	--	--	--	--	<5	--	--	21
		10-01-80	<5	--	--	--	--	--	<250	<5	--	17
		11-06-80	<5	--	--	--	--	--	<250	<5	--	15
		11-13-80	300	650	--	--	33000	<500	<5	10	--	--
		12-09-80	8	--	--	--	--	380	<5	--	--	22
		2-18-81	--	--	--	--	--	--	--	--	--	21
		4-01-81	<5	--	--	--	--	--	5	--	--	34
		6-29-81	8	--	--	--	--	--	5	--	--	--
		10-27-81	<10	--	--	--	--	--	<5	--	--	--
		1-21-82	<10	--	--	--	--	--	<250	<5	--	--
		3-25-82	<10	--	--	--	--	--	<250	38	--	--
7-28-87	--	--	--	--	--	--	--	--	--	20		
78	353220108400002	04-25-78	<10	--	--	--	--	--	11	--	--	--
		1-22-79	<10	--	--	--	--	--	<5	--	--	--
		5-21-79	<5	--	--	--	--	--	7	--	--	--
		8-21-79	<5	--	--	--	--	<50	<5	--	--	--
		9-26-79	<10	--	--	--	--	--	<5	--	--	18
		10-22-79	<5	--	--	--	--	--	11	--	--	13
		12-04-79	<4	--	--	--	--	--	6	--	--	25
		1-09-80	<1	--	--	--	--	--	<5	--	--	27
		2-12-80	<10	--	--	--	--	--	<5	--	--	24
		3-04-80	<10	--	--	--	--	--	<5	--	--	25
		4-07-80	<10	--	--	--	--	--	<5	--	--	26
		5-14-80	<10	--	--	--	--	--	<5	--	--	31
		6-09-80	<10	--	--	--	--	--	7	--	--	17
		7-09-80	<10	--	--	--	--	--	<5	--	--	26
		9-02-80	<5	--	--	--	--	--	<5	--	--	27
		10-02-80	<5	--	--	--	--	<250	<5	--	--	27
		11-05-80	5	--	--	--	--	<500	<5	--	--	23
		12-09-80	9	--	--	--	--	480	<5	--	--	33
		4-01-81	<5	--	--	--	--	5	<5	--	--	39
		6-29-81	<5	--	--	--	--	--	<5	--	--	31
		10-27-81	<10	--	--	--	--	--	<5	--	--	--
1-21-82	<10	--	--	--	--	400	<5	--	--	--		
3-25-82	<10	--	--	--	--	<250	5	--	--	--		
7-29-87	--	--	--	--	--	--	--	--	--	42		
79	353220108400003	04-25-78	<10	--	--	--	--	--	<5	--	9.8	--
		8-02-78	--	--	--	--	--	<500	--	--	--	--
		10-04-78	<5	--	--	--	--	--	<5	--	--	--
		5-21-79	<5	--	--	--	--	--	6	--	27	--
		8-02-79	<10	--	<10	<500	--	<500	6	--	21	--
		8-20-79	<5	--	22	--	--	250	16	--	92	--
		9-25-79	<10	--	44	<250	--	--	5	--	300	--
		10-23-79	<5	--	19	250	--	--	14	--	240	--
		12-04-79	<4	--	<10	<250	--	--	6	--	190	--
		1-08-80	<1	--	<10	<250	--	--	9	--	130	--
		2-12-80	<10	--	<10	<250	--	--	6	--	100	--
		3-04-80	<10	--	37	<250	--	--	6	--	89	--
		4-07-80	<10	--	<10	<250	--	--	6	--	96	--
		5-14-80	<10	--	<10	<250	--	--	8	--	87	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	GROSS	RADIUM	LEAD	THORIUM	SOLIDS, RESIDUE	SOLIDS, SUM OF	SOLIDS, DIS-	DEPTH	URANIUM
			BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	226, DIS- SOLVED (PCI/L) (09503)	210 DIS- SOLVED (PCI/L) (17503)	230 DIS- SOLVED (PCI/L) (26503)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLVED PER AC-FT) (70303)	BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	DIS- SOLVED, EXTRAC- TION (UG/L) (80020)
77	353220108400001	10-22-79	--	--	--	--	1840	1780	2.50	--	--
		12-04-79	6.0	--	--	--	1840	1810	2.51	--	--
		1-09-80	2.8	--	--	--	1910	1900	2.60	--	--
		2-12-80	7.3	--	--	--	1830	1740	2.49	--	--
		3-04-80	6.3	--	--	--	1900	1850	2.58	--	--
		4-07-80	12	--	--	--	1870	1780	2.54	--	--
		5-14-80	6.2	--	--	--	1810	1840	2.46	--	--
		6-09-80	8.4	--	--	--	1820	1810	2.48	--	--
		7-09-80	10	--	--	--	1820	1800	2.48	--	--
		7-19-80	--	--	--	--	--	--	--	--	--
		9-02-80	3.4	--	--	--	1830	1790	2.48	--	--
		10-01-80	5.6	--	--	--	1830	1800	2.49	--	--
		11-06-80	4.8	--	--	--	1840	1840	2.50	--	--
		11-13-80	--	--	--	--	637	594	.87	--	--
		12-09-80	18	--	--	--	1840	1920	2.50	--	--
		2-18-81	20	--	--	--	1910	1870	2.59	--	--
		4-01-81	21	--	--	--	1860	1880	2.52	--	--
		6-29-81	--	--	--	--	1870	1880	2.54	--	--
		10-27-81	--	--	--	--	1950	1930	2.65	--	--
		1-21-82	--	--	--	--	1790	--	--	--	--
		3-25-82	--	--	--	--	1810	--	--	--	--
		7-28-87	2.4	.4	--	--	1000	906	1.36	--	.02
		78	353220108400002	04-25-78	--	--	--	--	1130	1150	1.54
1-22-79	--			--	--	--	1120	1130	1.53	--	--
5-21-79	--			--	--	--	1150	1090	1.56	--	--
8-21-79	--			--	--	--	1130	--	--	--	--
9-26-79	7.0			--	--	--	1140	1100	1.55	--	--
10-22-79	--			--	--	--	1140	1100	1.56	--	--
12-04-79	5.8			--	--	--	1140	1120	1.56	--	--
1-09-80	4.0			--	--	--	1170	1140	1.59	--	--
2-12-80	4.2			--	--	--	1210	1140	1.64	--	--
3-04-80	6.9			--	--	--	1230	1180	1.67	--	--
4-07-80	8.5			--	--	--	1150	1110	1.57	--	--
5-14-80	7.4			--	--	--	1190	1140	1.62	--	--
6-09-80	17			--	--	--	1130	1070	1.54	--	--
7-09-80	13			--	--	--	1120	1090	1.52	--	--
9-02-80	6.0			--	--	--	1150	1090	1.56	--	--
10-02-80	8.1			--	--	--	1100	1080	1.49	--	--
11-05-80	4.1			--	--	--	1080	1060	1.47	--	--
12-09-80	18			--	--	--	1080	1100	1.46	--	--
4-01-81	19			--	--	--	1090	1090	1.49	--	--
6-29-81	26			--	--	--	1090	1080	1.49	--	--
10-27-81	--			--	--	--	1070	1050	1.45	--	--
1-21-82	--			--	--	--	1040	1030	1.42	--	--
3-25-82	--			--	--	--	1010	992	1.37	--	--
7-29-87	12	.1	--	--	901	800	1.23	--	.04		
79	353220108400003	04-25-78	--	.1	--	--	1150	1210	1.56	13.09	--
		8-02-78	--	--	--	--	--	--	--	--	--
		10-04-78	--	<.1	--	--	938	914	1.28	12.23	43
		5-21-79	--	.5	--	--	1380	1240	1.88	12.96	59
		8-02-79	24	<.1	--	--	1580	1590	2.14	12.69	56
		8-20-79	--	.3	--	--	2130	1980	2.89	12.19	210
		9-25-79	170	.1	--	--	3150	3050	4.29	12.24	590
		10-23-79	170	--	--	--	2790	2820	3.79	12.29	480
		12-04-79	93	.1	--	--	2730	2520	3.71	12.06	300
		1-08-80	45	--	--	--	1970	1810	2.67	11.82	220
		2-12-80	42	--	--	--	1860	1680	2.53	--	170
		3-04-80	34	.1	--	--	1850	1690	2.52	11.86	160
		4-07-80	34	.1	--	--	2190	2020	2.98	12.09	160
		5-14-80	44	.1	<3.1	1.8	2400	2230	3.26	12.01	150

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (0001D)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (DD027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM) (00094)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (D0400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (004D2)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)
79	353220108400003	06-09-80	1635	12.0	9735	--	--	2790	2890	7.1	2210	--
		7-09-80	1523	12.5	9735	--	--	2610	2830	7.1	2080	--
		9-02-80	175D	13.5	9735	--	--	2570	2830	7.1	2090	--
		10-01-80	1635	13.0	9735	--	--	2870	3030	7.2	2320	--
		11-05-80	1715	14.0	9735	--	--	3040	3110	7.1	2480	--
		12-09-80	1235	13.5	9735	--	--	2680	--	7.2	2180	--
		2-18-81	1200	13.0	9735	--	--	2170	2500	7.3	1740	--
		4-01-81	1020	12.0	9735	--	--	2090	--	7.4	1660	--
		6-29-81	1620	12.0	9735	--	--	2840	--	7.2	2260	--
		10-27-81	1345	13.5	9735	--	--	3290	--	7.2	2680	--
		1-21-82	1055	12.5	9735	--	--	2130	--	7.3	1700	--
		3-25-82	0815	13.0	9735	--	--	--	--	7.5	2340	--
		3-25-82	1038	12.0	9735	--	--	3090	--	7.2	2500	--
		12-07-82	1000	12.0	9735	--	--	--	--	7.5	2290	--
		7-14-87	0000	--	1008	1008	--	--	--	--	--	--
80	353220108400004	04-25-78	1400	13.0	9735	--	--	1480	1670	7.4	1190	--
		10-04-78	1200	12.5	9735	--	--	1630	1840	7.0	1300	--
		1-22-79	1400	12.5	9735	--	--	1440	1620	7.0	1150	--
		5-21-79	1700	13.0	9735	--	--	1720	1860	6.7	1390	--
		8-20-79	1255	13.0	9735	--	--	1490	1720	7.1	1200	--
		9-25-79	1655	12.5	9735	--	--	1660	1760	7.1	1320	--
		10-23-79	1215	12.5	9735	--	--	1630	--	--	1300	--
		12-04-79	1240	12.0	9735	--	--	1620	1720	7.6	1290	--
		1-08-80	1645	12.0	9735	--	--	1700	1770	--	1350	--
		2-12-80	1520	12.0	9735	--	--	1650	1730	7.6	1310	--
		3-04-80	1023	12.5	9735	--	--	1640	1700	7.1	1310	--
		4-07-80	1735	12.5	9735	--	--	1780	1820	7.2	1420	--
		5-14-80	1700	12.0	9735	--	--	1820	1960	7.2	1450	--
		6-09-80	1718	12.0	9735	--	--	1870	1820	7.3	1490	--
		7-09-80	1624	12.5	9735	--	--	1800	--	7.1	1440	--
		9-02-80	1745	12.5	9735	--	--	1830	2020	7.1	1460	--
		10-01-80	1715	12.0	9735	--	--	1870	1910	7.1	1490	--
		11-05-80	1800	12.0	9735	--	--	1880	1920	6.9	1490	--
		12-09-80	1345	12.5	9735	--	--	1810	--	7.0	1440	--
		2-18-81	1357	12.0	9735	--	--	1530	1840	7.0	1220	--
		4-01-81	1148	13.0	9735	--	--	1480	--	7.1	1190	--
		6-29-81	1700	12.0	9735	--	--	1760	--	7.0	1400	--
		10-27-81	1426	12.5	9735	--	--	1860	--	7.0	1480	--
		1-10-82	1015	--	9735	--	--	--	--	--	--	--
		1-21-82	--	--	704	704	--	1470	--	7.1	1250	--
		3-26-82	1115	--	9735	--	--	--	--	--	--	--
		12-06-82	1700	12.5	9735	--	--	--	--	7.4	1330	--
		7-29-87	0000	--	1008	1008	--	--	--	--	--	--
81	353220108400005	07-28-87	--	--	1008	1008	--	--	--	--	--	--
82	353216108400401	01-21-82	1134	7.0	9735	--	--	--	--	7.4	--	--
		3-25-82	1159	12.0	9735	--	--	--	--	7.5	--	--
83	353102108404201	01-02-56	--	9.5	--	--	E10	--	1070	7.7	--	9.4
84	353514108405501	04-05-56	--	10.5	--	--	6.0	--	445	7.8	--	5.0
85	353101108414201	01-02-56	--	9.5	--	--	E10	--	1070	7.7	--	9.4
86	353157108414501	04-14-56	--	14.5	--	--	E68	--	1220	7.6	--	16
87	353139108415201	12-10-53	--	--	--	--	50	--	4350	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY WATER WH FET FIELD (MG/L AS CACO3) (00431)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO- GEN, AMMONIA DIS- SOLVED AS N) (MG/L AS N) (00608)	NITRO- GEN, NITRATE DIS- SOLVED AS N) (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED AS N) (MG/L AS N) (00631)	PHOS- PHATE, DIS- SOLVED AS PO4) (MG/L AS PO4) (00653)	HARD- NESS TOTAL MG/L AS CACO3) (00900)		
79	353220108400003	06-09-80	--	--	270	--	.080	--	2.65	--	1300		
		7-09-80	--	--	280	--	.117	--	2.53	--	1200		
		9-02-80	--	<1	280	--	.193	--	3.53	--	1100		
		10-01-80	--	--	270	--	.072	--	4.23	--	1300		
		11-05-80	--	--	280	--	.070	--	6.81	--	1300		
		12-09-80	--	--	290	--	.063	--	3.21	--	1100		
		2-18-81	--	--	270	--	.062	--	2.65	--	1100		
		4-01-81	--	--	280	--	.046	--	2.46	--	1000		
		6-29-81	--	--	290	--	.120	--	1.83	--	1200		
		10-27-81	--	--	300	--	.100	--	1.77	--	1200		
		1-21-82	--	--	290	--	.070	--	2.19	.06	810		
		3-25-82	--	--	300	--	.023	--	1.48	.06	1100		
		3-25-82	--	--	300	--	.025	--	1.57	.04	1100		
		12-07-82	--	--	220	--	--	--	--	--	850		
		7-14-87	--	--	--	--	447	--	.300	--	--	410	
		80	353220108400004	04-25-78	--	--	560	556	1.03	--	.003	--	360
				10-04-78	--	--	510	512	1.58	--	.050	--	410
				1-22-79	--	--	550	552	1.37	--	.020	--	320
5-21-79	--			--	510	514	1.29	--	.030	--	420		
8-20-79	--			--	550	552	1.09	--	.090	--	320		
9-25-79	--			--	530	530	1.46	--	.010	--	360		
10-23-79	--			--	530	531	1.43	--	.020	--	390		
12-04-79	--			--	530	--	1.42	--	.060	--	380		
1-08-80	--			--	520	--	1.17	--	.070	--	400		
2-12-80	--			--	530	--	1.54	--	.020	--	390		
3-04-80	--			--	530	--	1.48	--	.070	--	380		
4-07-80	--			--	500	--	1.40	--	.070	--	450		
5-14-80	--			--	490	--	1.49	--	.010	--	480		
6-09-80	--			--	490	--	1.47	--	.030	--	450		
7-09-80	--			--	--	--	1.35	--	.040	--	--		
9-02-80	--			--	480	--	1.50	--	.040	--	460		
10-01-80	--			--	490	--	1.41	--	.070	--	480		
11-05-80	--			--	500	--	1.41	--	.067	--	490		
12-09-80	--			--	500	--	1.58	--	.060	--	450		
2-18-81	--			--	520	--	1.51	--	.040	--	450		
4-01-81	--			--	530	--	1.19	--	.048	--	450		
6-29-81	--			--	510	--	1.34	--	.040	--	480		
10-27-81	--			--	490	--	--	--	--	--	460		
1-10-82	--			--	--	--	--	--	--	--	9		
1-21-82	--			--	--	--	--	--	--	.03	440		
3-26-82	--			--	520	--	.870	--	.030	.04	430		
12-06-82	--			--	350	--	--	--	--	--	410		
7-29-87	--			--	--	--	434	--	.100	--	--	360	
81	353220108400005	07-28-87	--	--	--	--	--	--	--	--	220		
82	353216108400401	01-21-82	--	--	670	--	2.30	--	.010	--	--		
		3-25-82	--	--	670	--	2.09	--	--	--	--		
83	353102108404201	01-02-56	246	--	300	--	--	9.00	--	--	500		
84	353514108405501	04-05-56	164	--	200	--	--	.860	--	--	110		
85	353101108414201	01-02-56	243	--	300	--	--	9.00	--	--	510		
86	353157108414501	04-14-56	328	--	400	--	--	.140	--	--	330		
87	353139108415201	12-10-53	115	--	140	--	--	2.50	--	--	2300		

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (D0902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (0D930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (D0932)	SODIUM+	POTAS-	POTAS-	CHLO-	
									POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)		
79	353220108400003	06-09-80	--	380	88	240	3	29	--	5.9	110		
		7-09-80	--	350	79	240	3	30	--	6.2	110		
		9-02-80	--	320	81	260	3	33	--	6.2	110		
		10-01-80	--	360	99	300	4	33	--	7.0	120		
		11-05-80	--	380	94	320	4	34	--	9.0	120		
		12-09-80	--	320	83	290	4	36	--	5.9	110		
		2-18-81	--	300	80	290	4	37	--	4.7	110		
		4-01-81	--	290	74	290	4	38	--	3.1	110		
		6-29-81	--	320	93	350	4	39	--	4.7	130		
		10-27-81	--	330	88	420	5	43	--	4.7	160		
		1-21-82	--	220	61	340	5	47	--	3.9	88		
		3-25-82	--	300	89	440	6	46	--	4.3	140		
		3-25-82	--	300	87	440	6	46	--	3.5	140		
		12-07-82	--	240	61	460	7	54	--	14	110		
		7-14-87	--	110	34	350	7	65	--	1.1	58		
		80	353220108400004	04-25-78	--	100	24	250	6	60	--	2.0	43
				10-04-78	--	130	24	270	6	58	--	12	49
				1-22-79	--	100	17	250	6	62	--	1.9	40
				5-21-79	--	120	30	260	5	56	--	2.7	50
8-20-79	--			110	11	250	6	62	--	2.7	44		
9-25-79	--			100	26	240	6	59	--	--	44		
10-23-79	--			120	22	250	6	58	--	6.2	45		
12-04-79	--			120	20	260	6	60	--	2.0	43		
1-08-80	--			130	22	270	6	59	--	2.0	49		
2-12-80	--			120	21	260	6	60	--	2.0	45		
3-04-80	--			120	20	260	6	60	--	2.0	45		
4-07-80	--			140	27	280	6	57	--	2.3	50		
5-14-80	--			130	36	270	5	55	--	1.2	50		
6-09-80	--			140	24	270	6	57	--	2.0	50		
7-09-80	--			--	--	--	--	--	--	--	--		
9-02-80	--			140	24	290	6	57	--	2.7	52		
10-01-80	--			140	32	290	6	57	--	2.3	51		
11-05-80	--			140	32	290	6	56	--	3.9	49		
12-09-80	--			150	20	290	6	58	--	2.0	51		
2-18-81	--			140	24	280	6	58	--	1.6	51		
4-01-81	--			140	28	270	6	57	--	1.2	54		
6-29-81	--			140	31	290	6	56	--	2.3	52		
10-27-81	--			140	26	290	6	57	--	1.2	51		
1-10-82	--			--	--	--	--	--	--	--	--		
1-21-82	--			140	21	--	6	--	--	2.3	49		
3-26-82	--			130	23	340	7	64	--	1.6	49		
12-06-82	--			130	22	270	6	59	--	6.2	46		
7-29-87	--			110	20	260	6	60	--	1.3	45		
81	353220108400005			07-28-87	--	60	16	220	6	68	--	1.5	--
82	353216108400401	01-21-82	--	--	16	230	--	--	--	1.6	40		
		3-25-82	--	--	16	240	--	--	--	.80	43		
83	353102108404201	01-02-56	240	130	42	--	--	52	--	8.2			
84	353514108405501	04-05-56	--	34	6.9	--	--	53	--	16			
85	353101108414201	01-02-56	240	130	42	--	--	52	--	8.2			
86	353157108414501	04-14-56	2	79	32	160	4	51	--	4.0	20		
87	353139108415201	12-10-53	2100	460	270	--	--	410	--	31			

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (DD95D)	SILICA, DIS- SOLVED (MG/L AS SiO2) (OD955)	ARSENIC DIS- SOLVED (UG/L AS AS) (O1000)	BARIUM, DIS- SOLVED (UG/L AS BA) (O1005)	CADMIUM DIS- SOLVED (UG/L AS CD) (O1025)	COBALT, DIS- SOLVED (UG/L AS CO) (O1035)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (O1D45)		
79	353220108400D03	06-09-80	1400	--	--	8	110	<1	--	--		
		7-09-80	1300	--	--	<5	<100	<1	--	--		
		9-02-80	1200	--	--	5	150	<1	--	--		
		10-01-80	1400	--	--	<5	<100	<1	<5	--		
		11-05-80	1400	--	--	<5	160	<1	<5	--		
		12-09-80	1300	--	--	<5	150	<1	<5	--		
		2-18-81	1300	--	--	<5	<100	<1	--	--		
		4-01-81	1300	--	--	<5	190	<1	--	--		
		6-29-81	1500	--	--	6	<100	<1	--	--		
		10-27-81	1600	--	--	14	<100	<1	--	--		
		1-21-82	1200	--	--	9	150	<1	--	--		
		3-25-82	--	--	--	18	150	<1	--	--		
		3-25-82	--	--	--	28	100	<1	--	--		
		12-07-82	--	--	--	8	<100	<1	--	--		
		7-14-87	660	.36	--	--	--	--	--	--		
		80	353220108400004	04-25-78	420	--	--	<5	10	--	--	--
				10-04-78	490	--	--	6	--	--	--	--
1-22-79	360			--	--	<5	<100	--	--	--		
5-21-79	460			--	--	<5	<100	--	--	--		
8-20-79	410			--	--	<5	<100	--	--	--		
9-25-79	450			--	--	<5	230	<1	--	--		
10-23-79	470			--	--	<5	100	--	--	--		
12-04-79	410			--	--	<5	<100	<1	--	--		
1-08-80	480			--	--	<5	100	<1	--	--		
2-12-80	430			--	--	<5	100	<1	--	--		
3-04-80	430			--	--	<5	<100	<1	--	--		
4-07-80	560			--	--	<5	100	<1	--	--		
5-14-80	570			--	--	<5	<100	<1	--	--		
6-09-80	570			--	--	<5	100	<1	--	--		
7-09-80	--			--	--	--	--	--	--	--		
9-02-80	600			--	--	<5	130	<1	--	--		
10-01-80	590			--	--	<5	<100	<1	<5	--		
11-05-80	570			--	--	<5	<100	<1	<5	--		
12-09-80	570			--	--	<5	<100	<1	<5	--		
2-18-81	560			--	--	<5	380	1	<5	--		
4-01-81	550			--	--	<5	100	<1	--	--		
6-29-81	570			--	--	<5	120	<1	--	--		
10-27-81	580			--	--	5	<100	<1	--	--		
1-10-82	--	--	--	--	--	--	--	--				
1-21-82	550	--	--	7	<100	<1	--	--				
3-26-82	--	--	--	11	150	<1	--	--				
12-06-82	--	--	--	9	<1	<1	--	--				
7-29-87	440	.71	--	--	--	--	--	--				
81	353220108400005	07-28-87	--	--	--	--	--	--	--			
82	353216108400401	01-21-82	--	1.2	6.4	5	100	<1	--	--		
		3-25-82	--	1.2	6.1	6	200	<1	--	--		
83	353102108404201	01-02-56	320	.40	16	--	--	--	150			
84	353514108405501	04-05-56	40	.60	10	--	--	--	10			
85	353101108414201	01-02-56	320	.40	16	--	--	--	--			
86	353157108414501	04-14-56	300	.60	16	--	--	--	830			
87	353139108415201	12-10-53	2800	.90	38	--	--	--	--			

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, DIS- SOLVED (MG/L AS NO3) (71851)	DEPTH OF HOLE, TOTAL (FT) (72001)	DEPTH TO TOP OF WATER- BEARING ZONE (FT) (72002)	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	THORIUM- 232, DIS- SOLVED (PCI/L) (92000)		
79	353220108400003	06-09-80	3.51	--	--	--	--	12.01	150	--		
		7-09-80	3.29	--	--	--	--	12.14	150	<1		
		9-02-80	3.23	--	--	--	--	12.34	150	<1		
		10-01-80	3.59	--	--	--	--	12.42	140	--		
		11-05-80	3.70	--	--	--	--	12.30	160	--		
		12-09-80	3.27	--	--	--	--	13.38	170	--		
		2-18-81	3.21	--	--	--	--	12.33	130	--		
		4-01-81	3.11	--	--	--	--	12.25	130	--		
		6-29-81	3.59	--	--	--	--	12.25	160	--		
		10-27-81	3.97	--	--	--	--	12.73	130	--		
		1-21-82	2.79	--	--	--	--	12.28	130	--		
		3-25-82	--	--	--	--	--	--	150	--		
		3-25-82	--	--	--	--	--	12.60	150	--		
		12-07-82	--	--	--	--	--	--	180	--		
		7-14-87	1.96	--	--	--	--	--	61	--		
		80	353220108400004	04-25-78	1.29	--	--	--	--	12.83	--	--
				10-04-78	1.69	--	--	--	--	12.96	12	--
				1-22-79	1.41	--	--	--	--	12.32	13	--
				5-21-79	1.73	--	--	--	--	12.56	18	--
				8-20-79	1.49	--	--	--	--	11.95	12	--
9-25-79	1.63			--	--	--	--	--	11	--		
10-23-79	1.64			--	--	--	--	12.05	61	--		
12-04-79	1.59			--	--	--	--	11.94	11	--		
1-08-80	1.67			--	--	--	--	11.74	14	--		
2-12-80	1.65			--	--	--	--	--	17	--		
3-04-80	1.59			--	--	--	--	11.81	11	--		
4-07-80	1.84			--	--	--	--	11.98	9.0	--		
5-14-80	1.83			--	--	--	--	11.87	11	--		
6-09-80	1.86			--	--	--	--	12.01	<10	--		
7-09-80	--			--	--	--	--	12.08	--	--		
9-02-80	1.89			--	--	--	--	12.22	17	--		
10-01-80	1.87			--	--	--	--	12.26	9.8	--		
11-05-80	1.83			--	--	--	--	12.14	15	--		
12-09-80	1.84			--	--	--	--	12.06	13	--		
2-18-81	1.84			--	--	--	--	12.19	16	--		
4-01-81	1.79	--	--	--	--	12.12	14	--				
6-29-81	1.86	--	--	--	--	12.52	11	--				
10-27-81	1.88	--	--	--	--	12.50	11	--				
1-10-82	--	--	--	--	--	--	--	--				
1-21-82	--	--	--	--	--	12.16	12	--				
3-26-82	--	--	--	--	--	--	15	--				
12-06-82	--	--	--	--	--	--	15	--				
7-29-87	1.59	--	--	--	--	--	.02	--				
81	353220108400005	07-28-87	--	--	--	--	--	--	--			
82	353216108400401	01-21-82	--	--	--	--	--	--	--	--		
		3-25-82	--	--	--	--	--	--	--	--		
83	353102108404201	01-02-56	1.03	40	220	160	160.00	70.00	--			
84	353514108405501	04-05-56	.35	3.8	--	--	505.00	--	--			
85	353101108414201	01-02-56	1.03	40	--	160	220.00	70.00	--			
86	353157108414501	04-14-56	1.10	.60	505	190	190.00	140.00	--			
87	353139108415201	12-10-53	--	11	--	160	275.00	--	--			

GGROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE NUMBER (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
88	353144108415401	12-30-55	--	11.0	--	--	50	3510	7.1	60	385
89	353157108420801	03-30-56	--	15.5	--	--	E65	1340	7.3	22	230
90	353204108421501	11-22-48 12-06-48	-- --	-- --	-- --	-- --	-- 70	1100 1200	7.7 7.6	11 12	271 246
91	352952108421901	05-24-56	--	16.5	--	--	E4.0	717	9.2	.4	246
92	353203108422401	02-06-56	--	16.0	--	--	400	1160	7.5	16	262
93	353204108422401	05-01-57	--	14.5	--	--	235	1320	7.5	22	361
94	353144108422701	12-30-55	--	18.0	--	--	10	1310	7.2	39	312
95	353217108422701	11-28-55	--	15.5	--	--	65	1210	7.5	22	353
96	353205108424301	11-28-55	--	14.5	--	--	45	1310	7.3	39	394
97	353215108425701	11-28-55	--	15.5	--	--	65	1210	7.5	22	356
98	353151108425801	10-01-42 2-06-56	0001 --	-- 15.5	-- --	-- --	-- E35	133 1160	-- 7.5	-- 16	361 262
99	353440108430401	05-25-56	--	15.0	--	--	10	1030	7.6	10	205
100	353153108430501	09-01-42	0001	--	--	--	--	1230	--	--	271
101	353153108430502	08-04-42 5-14-56	-- --	-- 14.5	-- --	-- --	120 E25	1280 1110	-- 7.7	-- 10	303 262
102	353153108432201	10-01-42 10-01-43 2-24-56	0002 0001 --	-- -- 6.0	-- -- --	-- -- --	-- -- 2.5	133 1330 2460	-- -- 7.7	-- -- 18	363 361 451
103	353631108433301	12-16-53	--	15.5	--	--	10	1080	8.6	2.3	464
104	353145108434701	02-24-56	--	19.0	--	--	>25	1310	8.4	2.0	246
105	352657108444001	08-30-57	--	15.5	--	--	30	1930	8.4	4.0	500
106	353144108444301	05-11-56	--	24.5	--	--	125	1210	8.0	5.7	287
107	352702109000001	07-17-87 7-17-87	0000 0001	-- --	1008 1008	1008 1008	-- --	-- --	-- --	-- --	-- --
108	352456109001201	09-15-55	--	23.5	--	1028	--	6040	7.8	17	566
109	352344109011001	09-14-55	--	23.0	--	1028	--	1170	7.4	28	361
110	352306109015001	09-15-55	--	24.0	--	1028	--	941	7.2	37	303

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	BICAR-	CAR-	BICAR-	NITRO-	NITRO-	HARD-	HARD-	CALCIUM	MAGNE-
			BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE TOTAL (MG/L AS N) (00620)	NESS TOTAL (MG/L AS CACO3) (00900)	NESS NONCARB TOT FLD MG/L AS CACO3 (00902)	DIS- SOLVED (MG/L AS CA) (00915)	SOLIUM, DIS- SOLVED (MG/L AS MG) (00925)
88	353144108415401	12-30-55	470	--	--	.020	--	1500	1100	320	170
89	353157108420801	03-30-56	280	--	--	.180	--	610	370	150	56
90	353204108421501	11-22-48 12-06-48	330 300	-- --	-- --	.090 .090	-- --	460 490	200 240	130 120	34 45
91	352952108421901	05-24-56	300	32	--	--	--	4	--	1.2	.20
92	353203108422401	02-06-56	320	--	--	.430	--	350	90	87	33
93	353204108422401	05-01-57	440	--	--	--	--	320	--	--	--
94	353144108422701	12-30-55	380	--	--	1.40	--	390	78	100	34
95	353217108422701	11-28-55	430	--	--	.180	--	280	--	66	28
96	353205108424301	11-28-55	480	--	--	.770	--	330	--	83	29
97	353215108425701	11-28-55	430	--	--	.180	--	280	--	66	28
98	353151108425801	10-01-42 2-06-56	440 320	-- --	-- --	-- .430	-- --	410 350	39 87	110 87	33 33
99	353440108430401	05-25-56	250	--	--	--	--	260	55	71	21
100	353153108430501	09-01-42	330	--	--	--	--	410	130	110	33
101	353153108430502	08-04-42 5-14-56	370 320	-- --	-- --	-- .180	-- --	580 290	260 24	150 67	50 29
102	353153108432201	10-01-42 10-01-43 2-24-56	440 440 550	-- -- --	-- -- --	-- -- .990	-- -- --	400 400 890	39 39 440	110 110 220	33 -- 83
103	353631108433301	12-16-53	460	52	--	--	--	--	--	--	--
104	353145108434701	02-24-56	300	6	--	.290	--	84	--	22	7.1
105	352657108444001	08-30-57	610	8	--	.090	--	41	--	11	3.3
106	353144108444301	05-11-56	350	--	--	.320	--	120	--	31	10
107	352702109000001	07-17-87 7-17-87	-- --	-- --	-- 263	-- --	.100 --	-- 880	-- --	-- 150	-- 120
108	352456109001201	09-15-55	690	--	--	--	--	--	--	--	--
109	352344109011001	09-14-55	440	--	--	--	--	250	--	69	18
110	352306109015001	09-15-55	370	--	--	--	--	230	--	61	18

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM+	POTAS-	POTAS-	CHLO-	SULFATE	FLUO-	SILICA,
						POTAS- SIUM, DIS- SOLVED (MG/L AS NA) (00933)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SiO2) (00955)	
88	353144108415401	12-30-55	--	--	--	420	--	25	1900	.60	12	
89	353157108420801	03-30-56	--	--	--	82	--	10	510	.50	20	
90	353204108421501	11-22-48 12-06-48	-- --	-- --	-- --	81 94	-- --	8.0 10	340 420	.40 .30	14 18	
91	352952108421901	05-24-56	--	--	--	170	--	7.0	57	1.6	19	
92	353203108422401	02-06-56	--	--	--	140	--	16	350	.10	30	
93	353204108422401	05-01-57	--	--	--	--	--	24	--	--	--	
94	353144108422701	12-30-55	--	--	--	160	--	19	380	.60	16	
95	353217108422701	11-28-55	180	5	58	--	4.0	33	260	.70	17	
96	353205108424301	11-28-55	200	5	57	--	3.5	20	310	.60	14	
97	353215108425701	11-28-55	180	5	59	--	3.6	33	260	.70	17	
98	353151108425801	10-01-42 2-06-56	-- --	-- --	-- --	160 140	-- --	20 16	350 350	-- .10	-- 20	
99	353440108430401	05-25-56	--	--	--	130	--	2.0	330	.60	14	
100	353153108430501	09-01-42	--	--	--	150	--	21	410	--	--	
101	353153108430502	08-04-42 5-14-56	-- --	-- --	-- --	100 150	-- --	18 13	450 310	-- .60	-- 12	
102	353153108432201	10-01-42 10-01-43 2-24-56	-- -- --	-- -- --	-- -- --	160 160 290	-- -- --	30 -- 100	350 350 880	-- -- .40	-- -- 16	
103	353631108433301	12-16-53	--	--	--	--	--	10	--	--	--	
104	353145108434701	02-24-56	--	--	--	270	--	67	310	.60	16	
105	352657108444001	08-30-57	--	--	--	440	--	180	200	4.4	10	
106	353144108444301	05-11-56	--	--	--	240	--	60	240	1.4	11	
107	352702109000001	07-17-87 7-17-87	-- 800	-- 12	-- 66	-- --	-- 5.5	-- 780	-- 1200	-- .95	-- --	
108	352456109001201	09-15-55	--	--	--	--	--	870	--	--	--	
109	352344109011001	09-14-55	--	5	63	190	--	30	230	1.0	9.5	
110	352306109015001	09-15-55	--	4	57	140	--	46	140	1.0	13	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA TOTAL (PCI/L AS CS-137) (03519)
88	353144108415401	12-30-55	--	--	--	--	--	--
89	353157108420801	03-30-56	1900	20	--	--	--	--
90	353204108421501	11-22-48 12-06-48	-- --	20 30	-- --	-- --	-- --	-- --
91	352952108421901	05-24-56	90	90	--	--	--	--
92	353203108422401	02-06-56	--	--	--	--	--	--
93	353204108422401	05-01-57	--	20	140	--	--	--
94	353144108422701	12-30-55	--	--	--	--	--	--
95	353217108422701	11-28-55	340	10	--	--	--	--
96	353205108424301	11-28-55	240	20	--	--	--	--
97	353215108425701	11-28-55	340	10	--	--	--	--
98	353151108425801	10-01-42 2-06-56	-- --	-- --	-- --	-- --	-- --	-- --
99	353440108430401	05-25-56	10	10	--	--	--	--
100	353153108430501	09-01-42	--	--	--	--	--	--
101	353153108430502	08-04-42 5-14-56	-- 170	-- 10	-- --	-- --	-- --	-- --
102	353153108432201	10-01-42 10-01-43 2-24-56	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
103	353631108433301	12-16-53	--	--	--	--	--	--
104	353145108434701	02-24-56	--	--	--	--	--	--
105	352657108444001	08-30-57	2400	80	--	--	--	--
106	353144108444301	05-11-56	90	10	--	--	--	--
107	352702109000001	07-17-87 7-17-87	2 --	-- --	-- --	-- 4.0	-- 10	17 --
108	352456109001201	09-15-55	--	--	--	--	--	--
109	352344109011001	09-14-55	--	--	--	--	--	--
110	352306109015001	09-15-55	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)
88	353144108415401	12-30-55	--	--	3270	3100	4.22	--
89	353157108420801	03-30-56	--	--	976	968	1.32	--
90	353204108421501	11-22-48 12-06-48	-- --	-- --	-- --	772 854	-- --	-- --
91	352952108421901	05-24-56	--	--	448	437	.59	--
92	353203108422401	02-06-56	--	--	--	807	--	--
93	353204108422401	05-01-57	--	--	--	--	--	--
94	353144108422701	12-30-55	--	--	908	909	1.24	--
95	353217108422701	11-28-55	--	--	788	801	1.07	--
96	353205108424301	11-28-55	--	--	879	900	1.20	--
97	353215108425701	11-28-55	--	--	788	809	1.07	--
98	353151108425801	10-01-42 2-06-56	-- --	-- --	-- 794	-- 807	-- 1.10	-- --
99	353440108430401	05-25-56	--	--	698	692	.94	--
100	353153108430501	09-01-42	--	--	--	878	--	--
101	353153108430502	08-04-42 5-14-56	-- --	-- --	-- 751	948 740	-- 1.01	-- --
102	353153108432201	10-01-42 10-01-43 2-24-56	-- -- --	-- -- --	-- -- 1890	891 -- 1870	-- -- 2.54	-- -- --
103	353631108433301	12-16-53	--	--	--	--	--	--
104	353145108434701	02-24-56	--	--	822	849	1.15	--
105	352657108444001	08-30-57	--	--	1200	1160	1.58	--
106	353144108444301	05-11-56	--	--	760	764	1.04	--
107	352702109000001	07-17-87 7-17-87	<.30 --	<4 --	3290 3330	-- 3210	-- 4.53	-- --
108	352456109001201	09-15-55	--	--	--	--	--	--
109	352344109011001	09-14-55	--	--	--	780	1.06	11
110	352306109015001	09-15-55	--	--	--	602	.82	6.5

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FT) (72001)	DEPTH TO TOP OF WATER- BEARING ZONE (FT) (72002)	DEPTH TO BOT- TOM OF WATER- BEARING ZONE (FT) (72003)	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)
88	353144108415401	12-30-55	.10	--	--	160	--	275.00	30.00	--
89	353157108420801	03-30-56	.80	--	515	225	300	225.00	373.30	--
90	353204108421501	11-22-48 12-06-48	.40 .40	-- --	-- --	340 222	-- --	515.00 515.00	-- --	-- --
91	352952108421901	05-24-56	--	--	2260	1430	2260	1430.00	223.00	--
92	353203108422401	02-06-56	1.9	--	--	219	--	320.00	--	--
93	353204108422401	05-01-57	--	--	268	219	--	221.00	235.00	--
94	353144108422701	12-30-55	6.2	--	--	--	--	1030.00	--	--
95	353217108422701	11-28-55	.80	--	--	247	335	335.00	--	--
96	353205108424301	11-28-55	3.4	--	--	194	--	325.00	--	--
97	353215108425701	11-28-55	.80	--	--	--	--	335.00	--	--
98	353151108425801	10-01-42 2-06-56	-- 1.9	-- --	-- --	-- 81	-- 317	355.00 355.00	-- 180.00	-- --
99	353440108430401	05-25-56	--	--	--	966	1030	1030.00	235.00	--
100	353153108430501	09-01-42	--	--	--	--	--	320.00	106.00	--
101	353153108430502	08-04-42 5-14-56	-- .80	-- --	-- --	-- 55	-- --	344.00 344.00	-- --	-- --
102	353153108432201	10-01-42 10-01-43 2-24-56	-- -- 4.4	-- -- --	-- -- 160	-- -- 52	-- -- --	355.00 -- 70.00	-- -- 52.00	-- -- --
103	353631108433301	12-16-53	--	--	--	495	--	550.00	--	--
104	353145108434701	02-24-56	1.3	--	1250	--	--	>1100.00	>50.00	--
105	352657108444001	08-30-57	.40	--	--	467	567	567.00	185.00	--
106	353144108444301	05-11-56	1.4	--	--	200	1580	1580.00	181.50	--
107	352702109000001	07-17-87 7-17-87	-- --	6330 6330	-- --	-- --	-- --	-- --	-- --	-- .40
108	352456109001201	09-15-55	--	6520	--	--	--	--	--	--
109	352344109011001	09-14-55	--	6250	--	--	--	--	--	--
110	352306109015001	09-15-55	--	6230	--	--	--	70.00	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	SAM- PLING DEPTH (FT) (00003)	PER- CENT OF TOTAL DEPTH (00005)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (D0027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
111	352306109015801	09-15-55	--	--	--	21.0	--	--	1028	--	3100
112	352242109023001	09-14-55	--	--	--	24.5	--	--	1028	--	1430
113	354747109025001	06-12-67	--	--	--	--	--	--	1008	--	1020
114	355417109025301	04-26-61	--	--	--	10.0	--	--	1028	--	997
115	352059109025901	04-05-71	--	--	--	--	--	--	1008	--	3150
116	351858109031601	09-25-67 10-25-67	-- --	-- --	-- --	-- --	-- --	-- --	1008 1008	-- --	1240 1230
117	351858109031701	12-03-86	1530	--	--	14.0	608	--	1028	.30	910
118	352123109031801	03-19-79 1-19-82 6-16-82	1445 0800 1350	-- -- --	-- -- --	-- -- --	-- -- --	9704 9704 9704	-- -- --	-- -- --	588 719 633
119	352154109031801	09-15-55	--	--	--	23.0	--	--	1028	--	1970
120	355955109031901	09-26-55	--	--	--	13.5	--	--	1028	--	1840
121	352152109032301	09-15-55	--	--	--	21.0	--	--	1028	--	2160
122	352049109033201	11-04-54	--	--	--	13.5	--	--	1028	--	741
123	354132109033401	04-15-59	--	--	--	--	--	--	1028	--	2530
124	353933109034101	08-03-56	--	--	--	13.0	--	--	1028	--	869
125	354132109034701	04-15-59	--	--	--	--	--	--	1028	--	3310
126	352107109035201	09-15-55	--	--	--	20.5	--	--	1028	--	692
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	-- -- -- 0250 --	84.0 725 -- -- --	-- -- -- -- --	-- -- 18.5 -- --	-- -- -- -- --	-- -- -- -- --	1028 1028 1028 1028 1028	-- -- -- -- --	1480 4970 629 619 545
128	353859109040901	08-09-58	--	245	--	14.5	--	--	1028	--	1510
129	352002109041301	12-09-69	--	--	--	--	--	--	1008	--	1210
130	352111109041401	09-15-55	--	--	--	22.0	--	--	1028	--	630
131	350623109041501	11-18-75	--	--	--	16.5	--	--	1028	--	290
132	351902109041701	02-21-85	1615	--	24.0	5.0	--	9704	--	--	3640
133	351933109041701	04-15-68 4-15-68 12-03-86	-- 0010 1300	-- -- --	-- -- --	-- -- 11.0	-- -- 611	704 1028 --	704 1028 1028	-- -- 21	1870 1870 2550

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)	CATIONS MINUS ANIONS (MEQ) (00401)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	ALKA- LINITY, CARBON- ATE FET-FLD (MG/L CACO3) (00430)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)
111	352306109015801	09-15-55	--	7.3	--	--	43	443	--	--	540	--
112	352242109023001	09-14-55	--	7.3	--	--	35	361	--	--	440	--
113	354747109025001	06-12-67	--	10.9	--	--	--	128	--	--	--	77
114	355417109025301	04-26-61	--	7.8	--	--	10	328	--	--	400	--
115	352059109025901	04-05-71	--	9.8	--	--	.1	435	--	--	230	150
116	351858109031601	09-25-67 10-25-67	-- --	-- 8.2	-- --	-- --	-- 6.1	465 496	-- --	-- --	540 610	12 --
117	351858109031701	12-03-86	2.1	7.9	--	8.0	--	368	358	--	--	--
118	352123109031801	03-19-79 1-19-82 6-16-82	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- 290 246	-- -- --	-- -- --	-- -- --	-- -- --
119	352154109031801	09-15-55	--	7.3	--	--	49	504	--	--	610	--
120	355955109031901	09-26-55	--	7.7	--	--	12	312	--	--	380	--
121	352152109032301	09-15-55	--	7.2	--	--	56	451	--	--	550	--
122	352049109033201	11-04-54	--	--	--	--	--	295	--	--	360	--
123	354132109033401	04-15-59	--	7.9	--	--	15	608	--	--	740	--
124	353933109034101	08-03-56	--	8.2	--	--	2.8	230	--	--	280	--
125	354132109034701	04-15-59	--	7.6	--	--	34	689	--	--	840	--
126	352107109035201	09-15-55	--	7.1	--	--	42	268	--	--	330	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	541 328 230 221 230	-- -- -- -- --	-- -- -- -- --	660 400 280 270 280	-- -- -- -- --
128	353859109040901	08-09-58	--	8.1	--	--	4.6	295	--	--	360	--
129	352002109041301	12-09-69	--	9.5	--	--	.1	107	--	--	130	--
130	352111109041401	09-15-55	--	7.1	--	--	34	221	--	--	270	--
131	350623109041501	11-18-75	--	--	--	--	--	130	--	--	160	--
132	351902109041701	02-21-85	--	7.5	--	--	--	678	--	680	--	--
133	351933109041701	04-15-68 4-15-68 12-03-86	-- -- 8.3	7.6 -- 7.8	-- 460 --	-- 7.6 7.8	-- -- --	456 -- 341	-- -- 342	-- -- --	-- 560 --	-- -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CALCIUM TOTAL (MG/L AS CAC03) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOVER -ABLE (MG/L) (00918)	MAGNE- SIUM, TOTAL RECOVER -ABLE (MG/L) (00921)	SODIUM, TOTAL RECOVER -ABLE (MG/L) (00923)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)
111	352306109015801	09-15-55	--	--	--	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	48	--	--	--	19	--	--	8	74
113	354747109025001	06-12-67	--	5.0	--	--	--	.61	--	180	20	93
114	355417109025301	04-26-61	--	80	--	--	--	19	--	--	3	49
115	352059109025901	04-05-71	--	9.0	--	--	--	4.9	--	680	45	--
116	351858109031601	09-25-67	--	34	--	--	--	6.7	--	250	10	82
		10-25-67	--	33	--	--	--	6.1	--	250	10	--
117	351858109031701	12-03-86	--	18	--	--	--	2.9	--	190	11	88
118	352123109031801	03-19-79	--	--	--	--	--	--	--	--	--	--
		1-19-82	--	--	--	--	--	--	--	--	--	--
		6-16-82	--	--	--	--	--	--	--	--	--	--
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--	--	--
120	355955109031901	09-26-55	--	15	--	--	--	2.1	--	--	26	95
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	52	--	--	--	21	--	--	--	--
123	354132109033401	04-15-59	--	93	--	--	--	28	--	--	12	76
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--	--	--
125	354132109034701	04-15-59	--	170	--	--	--	44	--	--	11	69
126	352107109035201	09-15-55	--	70	--	--	--	19	--	--	--	--
127	354416109035401	01-20-53	--	93	--	--	--	51	--	--	3	45
		4-09-53	--	52	--	--	--	24	--	--	29	91
		5-05-53	--	--	--	--	--	--	--	--	--	53
		5-06-53	--	--	--	--	--	--	--	--	--	50
		12-18-53	--	60	--	--	--	25	--	--	.5	14
128	353859109040901	08-09-58	--	33	--	--	--	24	--	--	9	77
129	352002109041301	12-09-69	--	170	--	--	--	51	--	21	.4	--
130	352111109041401	09-15-55	--	81	--	--	--	15	--	--	--	--
131	350623109041501	11-18-75	--	48	--	--	--	3.9	--	12	.4	16
132	351902109041701	02-21-85	--	--	170	40	660	--	--	--	--	--
133	351933109041701	04-15-68	64	--	--	--	--	--	14	340	--	--
		4-15-68	--	64	--	--	--	14	--	340	10	77
		12-03-86	--	100	--	--	--	22	--	470	11	75

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	POTAS- SIUM, TOTAL RECOVER -ABLE (MG/L) (00939)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
111	352306109015801	09-15-55	--	--	--	--	170	--	--	--	--	--
112	352242109023001	09-14-55	260	--	--	--	92	260	1.8	--	15	--
113	354747109025001	06-12-67	--	10	--	--	41	51	.60	--	--	--
114	355417109025301	04-26-61	120	--	--	--	51	140	.40	--	24	--
115	352059109025901	04-05-71	--	--	--	--	470	430	1.3	--	--	--
116	351858109031601	09-25-67 10-25-67	-- --	3.0 --	-- --	-- --	76 68	110 72	.45 .45	-- --	-- --	-- --
117	351858109031701	12-03-86	--	.40	--	--	31	65	.80	--	14	--
118	352123109031801	03-19-79 1-19-82 6-16-82	-- -- --	-- -- --	-- -- --	-- -- --	-- 18 15	46 51 50	-- -- --	-- -- --	-- -- --	-- -- --
119	352154109031801	09-15-55	--	--	--	--	170	--	--	--	--	--
120	355955109031901	09-26-55	410	--	--	--	180	360	2.7	--	11	--
121	352152109032301	09-15-55	--	--	--	--	140	--	--	--	--	--
122	352049109033201	11-04-54	92	--	--	--	23	83	.80	--	14	--
123	354132109033401	04-15-59	510	--	--	--	29	750	3.1	--	8.8	--
124	353933109034101	08-03-56	--	--	--	--	61	--	--	--	--	--
125	354132109034701	04-15-59	630	--	--	--	39	1100	1.2	--	13	--
126	352107109035201	09-15-55	66	--	--	--	34	75	.60	--	17	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	160 1000 84 76 19	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	180 1300 48 45 25	2.5 230 48 42 29	.60 .80 .40 .60 .40	-- -- -- -- --	17 3.9 -- -- 11	-- -- -- -- --
128	353859109040901	08-09-58	280	--	--	--	110	330	.80	--	42	--
129	352002109041301	12-09-69	--	--	--	--	23	500	.45	--	--	--
130	352111109041401	09-15-55	31	--	--	--	58	23	.60	--	16	--
131	350623109041501	11-18-75	--	1.8	--	--	10	6.3	.30	--	24	--
132	351902109041701	02-21-85	--	--	--	9.6	280	1100	--	.4	--	<2
133	351933109041701	04-15-68 4-15-68 12-03-86	-- -- --	-- 3.1 3.2	3.1 -- --	-- -- --	180 180 150	240 240 840	-- .80 .50	-- -- --	.8 -- 9.9	-- -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ARSENIC	BARIUM,	BORON,	BORON,	CADMIUM	CHRO-	COBALT,	COPPER,	COPPER,	IRON,
			TOTAL (UG/L AS AS) (01002)	TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	DIS- SOLVED (UG/L AS B) (01020)	TOTAL RECOV- ERABLE (UG/L AS B) (01022)	TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	DIS- SOLVED (UG/L AS CU) (01040)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
111	352306109015801	09-15-55	--	--	--	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	--	--	--	--	--	--	--	--	--
113	354747109025001	06-12-67	--	--	--	--	--	--	--	--	--	--
114	355417109025301	04-26-61	--	--	--	--	--	--	--	--	--	--
115	352059109025901	04-05-71	--	--	--	--	--	--	--	--	--	230
116	351858109031601	09-25-67 10-25-67	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
117	351858109031701	12-03-86	4	<100	--	590	<1	<1	<1	--	6	50
118	352123109031801	03-19-79 1-19-82 6-16-82	<5 <20 <20	<1000 <1000 <500	-- -- --	-- -- --	<5 <5 <5	-- -- --	-- -- --	-- -- --	<50 140 <100	380 140 <100
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--	--	--
120	355955109031901	09-26-55	--	--	--	--	--	--	--	--	--	--
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	--	--	--	--	--	--	--	--	--
123	354132109033401	04-15-59	--	--	--	--	--	--	--	--	--	--
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--	--	--
125	354132109034701	04-15-59	--	--	--	--	--	--	--	--	--	--
126	352107109035201	09-15-55	--	--	--	--	--	--	--	--	--	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
128	353859109040901	08-09-58	--	--	--	--	--	--	--	--	--	--
129	352002109041301	12-09-69	--	--	--	--	--	--	--	--	--	--
130	352111109041401	09-15-55	--	--	--	--	--	--	--	--	--	--
131	350623109041501	11-18-75	--	--	<20	--	--	--	--	--	--	--
132	351902109041701	02-21-85	4	--	--	--	--	--	--	10	21	1400
133	351933109041701	04-15-68 4-15-68 12-03-86	-- -- 1	-- -- <100	-- -- --	-- -- 650	-- -- <1	-- -- <1	-- -- <1	-- -- --	-- -- 7	90 90 970

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)
111	352306109015801	09-15-55	--	--	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	--	--	--	--	--	--	--	--
113	354747109025001	06-12-67	220	--	--	--	--	--	--	--	--
114	355417109025301	04-26-61	--	--	--	--	--	--	--	--	--
115	352059109025901	04-05-71	--	--	--	--	--	--	--	--	--
116	351858109031601	09-25-67 10-25-67	70 110	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
117	351858109031701	12-03-86	--	--	9	30	--	--	8	<1	<1
118	352123109031801	03-19-79 1-19-82 6-16-82	-- -- --	-- -- --	<20 <20 <20	750 <50 <50	-- -- --	-- -- --	-- -- --	-- -- --	<10 <50 <5
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--	--
120	355955109031901	09-26-55	--	--	--	--	--	--	--	--	--
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	--	--	--	--	--	--	--	--
123	354132109033401	04-15-59	--	--	--	--	--	--	--	--	--
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--	--
125	354132109034701	04-15-59	--	--	--	--	--	--	--	--	--
126	352107109035201	09-15-55	--	--	--	--	--	--	--	--	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
128	353859109040901	08-09-58	--	--	--	--	--	--	--	--	--
129	352002109041301	12-09-69	--	--	--	--	--	--	--	--	--
130	352111109041401	09-15-55	--	--	--	--	--	--	--	--	--
131	350623109041501	11-18-75	<10	--	--	--	--	--	--	--	--
132	351902109041701	02-21-85	170	<5	<5	1400	1400	<5	<5	--	--
133	351933109041701	04-15-68 4-15-68 12-03-86	-- -- --	-- -- --	-- -- <5	-- -- 1600	-- -- --	-- -- --	-- -- 6	-- -- 7	-- -- <1

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	VANA- DIUM, TOTAL (UG/L AS V) (D1087)	ZINC, DIS- SOLVED (UG/L AS ZN) (0109D)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (D1092)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (011D5)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	GROSS ALPHA, TOTAL (PCI/L) (D1501)
111	3523D61D9015801	09-15-55	--	--	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	--	--	--	--	--	--	--	--
113	354747109025001	06-12-67	--	--	--	--	--	--	--	--	--
114	355417109025301	04-26-61	--	--	--	--	--	--	--	--	--
115	352059109025901	04-05-71	--	--	--	--	--	--	--	--	--
116	351858109031601	09-25-67 10-25-67	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
117	351858109031701	12-03-86	410	20	--	--	90	20	--	5	40
118	352123109031801	03-19-79 1-19-82 6-16-82	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	<5 <5 <5	-- -- --
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--	--
120	355955109031901	09-26-55	--	--	--	--	--	--	--	--	--
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	--	--	--	--	--	--	--	--
123	354132109033401	04-15-59	--	--	--	--	--	--	--	--	--
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--	--
125	354132109034701	04-15-59	--	--	--	--	--	--	--	--	--
126	352107109035201	09-15-55	--	--	--	--	--	--	--	--	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
128	353859109040901	08-09-58	--	--	--	--	--	--	--	--	--
129	352002109041301	12-09-69	--	--	--	--	--	--	--	--	--
130	352111109041401	09-15-55	--	--	--	--	--	--	--	--	--
131	350623109041501	11-18-75	--	--	--	--	--	--	--	--	--
132	351902109041701	02-21-85	--	5	<5	31	70	--	<5	<5	--
133	351933109041701	04-15-68 4-15-68 12-03-86	-- -- 1600	-- -- <20	-- -- --	-- -- --	-- -- 30	-- -- 1100	-- -- --	-- -- <1	-- -- 27

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	GROSS ALPHA, TOTAL, COUNT- ING ERROR (PCI/L) (01502)	GROSS ALPHA, DIS- SOLVED (PCI/L U-NAT) (01515)	GROSS BETA, TOTAL (PCI/L) (03501)	GROSS BETA, TOTAL, COUNT- ING ERROR (PCI/L) (03502)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	RADIUM 226, TOTAL (PCI/L) (09501)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)	RADIUM 226 DISS. COUNT- ING ERROR (PCI/L) (09504)
111	352306109015801	09-15-55	--	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	--	--	--	--	--	--	--
113	354747109025001	06-12-67	--	--	--	--	--	--	--	--
114	355417109025301	04-26-61	--	--	--	--	--	--	--	--
115	352059109025901	04-05-71	--	--	--	--	--	--	--	--
116	351858109031601	09-25-67 10-25-67	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
117	351858109031701	12-03-86	6.0	--	8.0	3.0	--	--	.1	.1
118	352123109031801	03-19-79 1-19-82 6-16-82	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--
120	355955109031901	09-26-55	--	--	--	--	--	--	--	--
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	--	--	--	--	--	--	--
123	354132109033401	04-15-59	--	--	--	--	--	--	--	--
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--
125	354132109034701	04-15-59	--	--	--	--	--	--	--	--
126	352107109035201	09-15-55	--	--	--	--	--	--	--	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
128	353859109040901	08-09-58	--	--	--	--	--	--	--	--
129	352002109041301	12-09-69	--	--	--	--	--	--	--	--
130	352111109041401	09-15-55	--	--	--	--	--	--	--	--
131	350623109041501	11-18-75	--	--	--	--	--	--	--	--
132	351902109041701	02-21-85	--	10	--	--	8.0	1.2	--	--
133	351933109041701	04-15-68 4-15-68 12-03-86	-- -- 9.0	-- -- --	-- -- 4.0	-- -- 5.0	-- -- --	-- -- --	-- -- .1	-- -- .1

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	RADIUM		LEAD-210		LEAD-210		POLO- NIUM 210 DIS- SOLVED (PCI/L) (19503)	URANIUM TOTAL (UG/L U308) (22706)	THORIUM	
			TOTAL (PCI/L) (11501)	TOTAL, COUNT- ING ERROR (PCI/L) (11502)	WHOLE TOTAL (PCI/L) (17501)	DIS- SOLVED (PCI/L) (17503)	DIS- SOLVED COUNT ERROR (PCI/L) (17504)	THORIUM 230 DIS- SOLVED (PCI/L) (26503)			DIS- SOLVED COUNT ERROR (PCI/L) (26504)	
111	352306109015801	09-15-55	--	--	--	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	--	--	--	--	--	--	--	--	--
113	354747109025001	06-12-67	--	--	--	--	--	--	--	--	--	--
114	355417109025301	04-26-61	--	--	--	--	--	--	--	--	--	--
115	352059109025901	04-05-71	--	--	--	--	--	--	--	--	--	--
116	351858109031601	09-25-67 10-25-67	--	--	--	--	--	--	--	--	--	--
117	351858109031701	12-03-86	.3	.5	--	.1	.3	--	40	.4	.2	
118	352123109031801	03-19-79 1-19-82 6-16-82	--	--	--	--	--	--	--	--	--	--
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--	--	--
120	355955109031901	09-26-55	--	--	--	--	--	--	--	--	--	--
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	--	--	--	--	--	--	--	--	--
123	354132109033401	04-15-59	--	--	--	--	--	--	--	--	--	--
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--	--	--
125	354132109034701	04-15-59	--	--	--	--	--	--	--	--	--	--
126	352107109035201	09-15-55	--	--	--	--	--	--	--	--	--	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	--	--	--	--	--	--	--	--	--	--
128	353859109040901	08-09-58	--	--	--	--	--	--	--	--	--	--
129	352002109041301	12-09-69	--	--	--	--	--	--	--	--	--	--
130	352111109041401	09-15-55	--	--	--	--	--	--	--	--	--	--
131	350623109041501	11-18-75	--	--	--	--	--	--	--	--	--	--
132	351902109041701	02-21-85	--	--	.2	.1	--	.5	--	.1	--	
133	351933109041701	04-15-68 4-15-68 12-03-86	--	--	--	--	--	--	--	--	--	--
			1.3	.6	--	.3	.3	--	20	.2	.2	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)
111	352306109015801	09-15-55	--	--	--	--	--	--	--	--	6235
112	352242109023001	09-14-55	--	--	--	915	1.24	3.9	--	--	6300
113	354747109025001	06-12-67	--	--	--	522	.71	.12	--	--	7000
114	355417109025301	04-26-61	--	--	--	635	.86	.10	--	--	7070
115	352059109025901	04-05-71	--	--	--	1900	--	.25	--	--	6160
116	351858109031601	09-25-67	--	--	--	771	1.05	3.4	--	--	6185
		10-25-67	--	--	--	764	--	4.2	--	--	6185
117	351858109031701	12-03-86	38	--	556	543	.76	--	--	--	6185
118	352123109031801	03-19-79	--	--	--	--	--	--	--	<.50	--
		1-19-82	--	--	840	--	--	--	--	<.50	--
		6-16-82	--	--	402	--	--	--	--	<.50	--
119	352154109031801	09-15-55	--	--	--	--	--	--	--	--	6640
120	355955109031901	09-26-55	--	--	--	1160	1.58	1.6	--	--	7190
121	352152109032301	09-15-55	--	--	--	--	--	--	--	--	6450
122	352049109033201	11-04-54	--	--	--	463	--	--	.60	--	6160
123	354132109033401	04-15-59	--	--	--	1810	--	29	--	--	6820
124	353933109034101	08-03-56	--	--	--	--	--	--	--	--	6740
125	354132109034701	04-15-59	--	--	--	2510	3.41	58	--	--	6810
126	352107109035201	09-15-55	--	--	--	444	--	1.3	--	--	6225
127	354416109035401	01-20-53	--	--	--	836	1.14	1.6	--	--	6805
		4-09-53	--	--	--	2840	3.86	.60	--	--	6805
		5-05-53	--	--	--	--	--	1.2	--	--	6805
		5-06-53	--	--	--	--	--	1.4	--	--	6805
		12-18-53	--	--	--	308	.42	3.1	--	--	6805
128	353859109040901	08-09-58	--	--	--	990	1.35	1.7	--	--	6725
129	352002109041301	12-09-69	--	--	--	944	--	4.3	--	--	6150
130	352111109041401	09-15-55	--	--	--	362	--	4.0	--	--	6310
131	350623109041501	11-18-75	--	--	184	190	.25	--	--	--	6652
132	351902109041701	02-21-85	--	5	2570	--	--	--	--	--	--
133	351933109041701	04-15-68	--	--	1310	--	--	--	--	--	6105
		4-15-68	--	--	--	1120	1.52	--	--	--	6105
		12-03-86	22	--	1790	1800	2.43	--	--	--	6105

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	SAM- PLING METHOD, CODES (82398)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	THORIUM 230, TOTAL (PCI/L) (90410)	POLON- IUM 210, TOTAL (PCI/L) (92022)
111	352306109015801	09-15-55	100.00	--	--	--	--	--	--	--
112	352242109023001	09-14-55	--	--	--	--	--	--	--	--
113	354747109025001	06-12-67	802.00	--	--	--	--	--	--	--
114	355417109025301	04-26-61	107.00	--	--	--	--	--	--	--
115	352059109025901	04-05-71	170.00	--	--	--	--	--	--	--
116	351858109031601	09-25-67 10-25-67	124.00 124.00	-- --	-- --	-- --	-- --	-- --	-- --	-- --
117	351858109031701	12-03-86	102.00	48.60	--	4040	--	860	358	--
118	352123109031801	03-19-79 1-19-82 6-16-82	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
119	352154109031801	09-15-55	96.00	--	--	--	--	--	--	--
120	355955109031901	09-26-55	489.00	--	--	--	--	--	--	--
121	352152109032301	09-15-55	80.00	--	--	--	--	--	--	--
122	352049109033201	11-04-54	--	--	--	--	--	--	--	--
123	354132109033401	04-15-59	91.00	--	--	--	--	--	--	--
124	353933109034101	08-03-56	129.00	--	--	--	--	--	--	--
125	354132109034701	04-15-59	91.00	--	--	--	--	--	--	--
126	352107109035201	09-15-55	55.00	--	--	--	--	--	--	--
127	354416109035401	01-20-53 4-09-53 5-05-53 5-06-53 12-18-53	901.00 901.00 901.00 901.00 901.00	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --
128	353859109040901	08-09-58	357.00	--	--	--	--	--	--	--
129	352002109041301	12-09-69	450.00	--	--	--	--	--	--	--
130	352111109041401	09-15-55	35.00	--	--	--	--	--	--	--
131	350623109041501	11-18-75	600.00	--	--	--	--	--	--	--
132	351902109041701	02-21-85	--	--	22	--	5.0	--	--	1
133	351933109041701	04-15-68 4-15-68 12-03-86	10.10 10.10 10.10	-- -- 10.10	-- -- --	-- -- 4030	-- -- --	-- -- 2540	-- -- 342	-- -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	SAM- PLING DEPTH (FT) (00003)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)
134	352029109042001	01-06-88 1-07-88	-- --	-- --	-- --	8.0 10.0	910 910	910 910	-- --	-- --	7.0 7.4
135	352027109042101	10-02-58 4-04-69	-- --	-- --	16.0 --	-- --	-- --	1028 1008	-- --	441 450	7.2 --
136	354438109042301	12-16-58	--	--	--	--	--	9801	--	--	8.6
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- 25.0 --	-- -- --	-- -- --	1028 9735 9801	-- -- --	685 560 --	-- 7.1 10.7
138	354024109042401	06-21-55 1-10-73	-- --	175 --	-- --	-- --	-- --	1028 --	-- --	6210 410	7.2 8.4
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	20.0 52.0 230 --	-- 18.5 17.0 17.0	-- -- -- --	-- -- -- --	1028 1028 1028 1028	-- -- -- --	8210 2640 1070 586	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	1028	--	579	--
141	353900109044701	06-01-56 6-04-56	-- --	155 190	14.5 13.5	-- --	-- --	1028 1028	-- --	1430 915	7.6 7.4
142	355330109044901	10-08-59	--	--	--	--	--	1028	--	718	7.1
143	355358109045001	06-01-58 10-28-59	-- --	-- 115	10.0 --	-- --	-- --	1028 1028	-- --	679 624	7.3 7.8
144	355332109045301	04-22-58 4-22-58 5-09-68	0900 1500 --	-- -- --	12.0 -- 11.5	-- -- --	-- -- --	1028 1028 1028	-- -- --	791 732 768	8.2 8.0 7.8
145	353032109052501	11-07-52	--	--	--	--	--	1028	--	1970	--
146	351110109053901	09-05-53	--	--	--	--	--	1028	--	368	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	13.5 --	-- --	-- --	1028 1008	-- --	615 620	6.8 7.2
148	353848109054301	01-30-50	--	--	--	--	--	1028	--	487	--
149	354530109054302	02-14-51	--	--	--	--	--	1028	--	867	--
150	353919109054701	09-15-58	--	--	11.5	--	--	1028	--	551	7.5
151	354520109054701	03-27-53	--	--	10.5	--	--	1028	--	541	--
152	353436109055201	09-14-70	--	--	--	--	--	1008	--	2470	7.9
153	353923109055201	06-14-49	--	--	--	--	--	1028	--	516	--
154	351810109055301	12-05-86 8-19-87 1-12-88	1500 -- --	-- -- --	11.5 -- --	-- 32.0 5.0	-- 910 910	1028 910 910	1.0 -- --	1450 -- --	8.3 8.1 7.9

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD (MG/L AS CACO3 (00410)	BICAR- BONATE WATER WH FET FIELD (MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD (MG/L AS CO3 (00445)	CAR- BONATE WATER WH IT FIELD (MG/L AS CO3 (00447)	BICAR- BONATE WATER WH IT FIELD (MG/L AS HCO3 (00450)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)
134	352029109042001	01-06-88 1-07-88	310 1400	-- --	-- --	-- --	-- --	-- --	<1 <1	160 397	<1 <1	160 397
135	352027109042101	10-02-58 4-04-69	-- --	-- --	21 --	171 153	210 180	-- 5	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	1.5	307	340	17	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- 28 --	219 180 --	240 220 --	12 -- 16	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	33 1.4	265 179	320 190	-- 16	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	385 582 353 238	470 710 430 290	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	199	230	6	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	16 18	336 230	410 280	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	42	271	330	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	26 7.9	271 254	330 310	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	3.5 5.4 8.1	287 279 262	350 340 320	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	333	390	9	--	--	--	--
146	351110109053901	09-05-53	--	--	--	139	170	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	66 26	213 213	260 260	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	205	250	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	230	280	--	--	--	--	--
150	353919109054701	09-15-58	--	--	13	208	250	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	213	260	--	--	--	--	--
152	353436109055201	09-14-70	--	--	5.2	212	260	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	194	240	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	-- 340 1100	8.3 -- --	-- -- --	418 -- --	-- -- --	-- -- --	-- -- 5	-- 147 374	-- -- 5	-- -- 374

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL, RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
134	352029109042001	01-06-88 1-07-88	<.100 <.100	.100 .100	-- --	180 290	-- --	55 82	55 81	9.4 20	9.4 20	11 290
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	170 150	-- --	-- --	50 49	11 7.3	-- --	-- 29
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	38 180 190	-- 5 --	-- -- --	7.0 50 --	5.1 14 --	-- -- --	-- 54 140
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	180 100	-- --	-- --	-- 16	-- 15	-- --	-- 55
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	1200 310 76 29	830 -- -- --	-- -- -- --	87 81 -- 6.7	240 26 -- 2.9	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	90	--	--	18	11	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	120 27	-- --	-- --	-- 7.5	-- 2.1	-- --	-- --
142	355330109044901	10-08-59	--	--	--	260	--	--	21	51	--	53
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	290 260	19 8	-- --	24 20	55 52	-- --	-- 32
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	250 260 280	-- -- 12	-- -- --	24 23 22	45 49 54	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	32	--	--	8.0	2.8	--	--
146	351110109053901	09-05-53	--	--	--	130	--	--	42	5.2	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	310 300	94 93	-- --	90 91	20 18	-- --	-- 6.9
148	353848109054301	01-30-50	--	--	--	220	20	--	48	25	--	--
149	354530109054302	02-14-51	--	--	--	300	64	--	69	30	--	--
150	353919109054701	09-15-58	--	--	--	260	52	--	73	19	--	--
151	354520109054701	03-27-53	--	--	--	240	30	--	--	--	--	--
152	353436109055201	09-14-70	--	--	--	390	170	--	90	39	--	380
153	353923109055201	06-14-49	--	--	--	260	69	--	74	19	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	-- -- <.100	-- 3.00 .100	-- -- --	110 -- 98	-- -- --	-- 14 25	30 -- 24	9.3 -- 9.4	-- 1.6 9.6	300 76 310

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SODIUM	SODIUM+		POTAS-	POTAS-	SODIUM,	CHLO-	SULFATE	FLUO-	FLUO-	SILICA,
			AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	TOTAL RECOV- ERABLE (MG/L AS K) (00937)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	RIDE, DIS- SOLVED TOTAL (MG/L AS F) (00951)	DIS- SOLVED (MG/L AS SiO2) (00955)	
134	352029109042001	01-06-88	.4	12	--	1.1	1.1	11	38	.32	.2	--	
		1-07-88	7	69	--	2.5	2.7	170	190	.06	.5	--	
135	352027109042101	10-02-58	--	--	29	--	--	12	41	.40	--	14	
		4-04-69	1	29	--	1.2	--	16	43	.70	--	--	
136	354438109042301	12-16-58	--	--	--	--	--	81	--	.50	--	8.0	
137	353941109042401	03-10-50	10	89	150	--	--	46	69	.60	--	10	
		4-17-62	2	39	--	3.1	--	8.0	64	.35	--	--	
		6-30-63	4	61	--	6.9	--	160	--	--	--	--	
138	354024109042401	06-21-55	46	94	1400	--	--	970	1600	1.3	--	--	
		1-10-73	2	52	--	7.0	--	18	29	.34	--	--	
139	353944109043001	07-01-54	20	74	1600	--	--	1600	2000	2.5	--	8.1	
		7-29-54	12	78	500	--	--	390	260	3.2	--	13	
		8-06-54	--	--	--	--	--	41	--	1.4	--	--	
		9-03-54	11	91	140	--	--	29	44	.60	--	10	
140	353928109044501	03-09-50	5	71	99	--	--	35	54	.20	--	9.7	
141	353900109044701	06-01-56	--	--	--	--	--	120	--	--	--	--	
		6-04-56	18	94	210	--	--	98	110	1.0	--	12	
142	355330109044901	10-08-59	1	29	--	16	--	15	95	.10	--	32	
143	355358109045001	06-01-58	1	25	43	--	--	15	86	.50	--	39	
		10-28-59	.9	20	--	14	--	11	75	.10	--	36	
144	355332109045301	04-22-58	3	44	90	--	--	19	120	.30	--	25	
		4-22-58	2	37	70	--	--	18	99	.30	--	33	
		5-09-68	2	34	65	--	--	15	120	.20	--	28	
145	353032109052501	11-07-52	33	97	430	--	--	370	93	1.8	--	11	
146	351110109053901	09-05-53	--	--	30	--	--	14	21	.20	--	26	
147	354047109054201	09-23-58	.3	--	11	--	--	13	92	.20	--	13	
		11-10-69	.2	5	--	2.7	--	19	72	.15	--	--	
148	353848109054301	01-30-50	.6	18	22	--	--	16	41	.30	--	11	
149	354530109054302	02-14-51	2	34	71	--	--	110	57	.40	--	13	
150	353919109054701	09-15-58	.4	12	16	--	--	13	60	.50	--	13	
151	354520109054701	03-27-53	.6	15	20	--	--	32	28	.20	--	13	
152	353436109055201	09-14-70	8	68	--	.80	--	490	280	.25	--	--	
153	353923109055201	06-14-49	.3	8	9.9	--	--	13	62	--	--	--	
154	351810109055301	12-05-86	12	85	--	1.2	--	76	240	.80	--	6.2	
		8-19-87	--	--	--	1.0	1.8	19	27	--	.2	--	
		1-12-88	14	87	--	.86	1.1	83	240	.75	.8	--	

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ARSENIC	ARSENIC	BARIUM,	BORON,	BORON,	CADMIUM	CADMIUM	CHRO-	COBALT,
			DIS- SOLVED (UG/L AS AS) (01D00)	TOTAL (UG/L AS AS) (D1002)	TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	DIS- SOLVED (UG/L AS B) (01020)	TOTAL RECOV- ERABLE (UG/L AS B) (01022)	DIS- SOLVED (UG/L AS CD) (01025)	TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	MIMUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	TOTAL RECOV- ERABLE (UG/L AS CO) (01037)
134	352029109042001	01-06-88 1-07-88	<1 3	2 6	-- --	-- --	-- --	<5 <5	<5 <5	-- --	-- --
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- 590	-- --	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	--	--	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	--	--	--	--	--	--
146	351110109053901	09-05-53	--	--	--	--	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	--	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	--	--	--	--	--	--
150	353919109054701	09-15-58	--	--	--	--	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	--	--	--	--	--	--
152	353436109055201	09-14-70	--	--	--	600	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	--	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	-- -- 1	<1 2 <1	<100 -- --	-- -- --	380 -- --	-- -- <1	<1 <5 <1	<1 -- --	<1 -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)
134	352029109042001	01-06-88 1-07-88	<10 10	20 <10	3400 2700	3300 2700	-- --	100 570	100 570	10 <10	<10 <10
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- 150	-- --	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- 5200 --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- 80	-- --	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	280	230	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- 40	-- --	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	--	--	--	--	--	--
146	351110109053901	09-05-53	--	--	--	--	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- 150	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	--	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	--	--	--	--	--	--
150	353919109054701	09-15-58	--	--	--	--	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	--	--	--	--	--	--
152	353436109055201	09-14-70	--	--	2700	110	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	--	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	-- -- 80	32 <10 80	1500 20 4100	-- -- 4000	<5 -- --	80 10 400	-- -- 380	-- -- <10	11 <10 <10

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	SILICON DIS- SOLVED (UG/L AS SI) (01140)	SILICON TOTAL (UG/L AS SI) (01142)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
134	352029109042001	01-06-88 1-07-88	-- --	-- --	-- --	-- --	-- --	-- --	4400 6700	5000 27000	2 5
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	--	--	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	--	--	--	--	--	--
146	351110109053901	09-05-53	--	--	--	--	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	--	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	--	--	--	--	--	--
150	353919109054701	09-15-58	--	--	--	--	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	--	--	--	--	--	--
152	353436109055201	09-14-70	--	--	--	--	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	--	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	3 -- --	<1 -- --	730 -- --	<30 -- --	280 -- --	80 -- --	-- -- 3000	-- 8800 3200	-- -- 4

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	GROSS ALPHA, TOTAL (PCI/L) (01501)	GROSS ALPHA, TOTAL, COUNT- ING ERROR (PCI/L) (01502)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	GROSS BETA, TOTAL (PCI/L) (03501)	GROSS BETA, TOTAL, COUNT- ING ERROR (PCI/L) (03502)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA TOTAL (PCI/L AS CS-137) (03519)	TRITIUM TOTAL (PCI/L AS TU) (07017)
134	352029109042001	01-06-88 1-07-88	2 5	410 --	-- --	350 8.0	-- --	-- --	150 4.0	180 .7	-- --
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	--	--	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	--	--	--	--	--	--
146	351110109053901	09-05-53	--	--	--	--	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	--	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	--	--	--	--	--	--
150	353919109054701	09-15-58	--	--	--	--	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	--	--	--	--	--	--
152	353436109055201	09-14-70	--	--	--	--	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	--	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	<1 <1 4	23 4.9 2.2	6.0 -- --	-- -- 1.1	4.0 -- --	3.0 -- --	-- -- 2.3	-- 2.7 4.0	-- <5.0 --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	RADIUM 226, TOTAL (PCI/L) (09501)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)	RADIUM 226 DISS. COUNT- ING ERROR (PCI/L) (09504)	RADIUM 228, TOTAL (PCI/L) (11501)	RADIUM 228, TOTAL, COUNT- ING ERROR (PCI/L) (11502)	LEAD 210 DIS- SOLVED COUNT ERROR (PCI/L) (17503)	LEAD 210 DIS- SOLVED COUNT ERROR (PCI/L) (17504)	THORIUM 232 DIS- SOLVED COUNT ERROR (PCI/L) (26504)
134	352029109042001	01-06-88 1-07-88	80 --	73 --	-- --	1.1 --	-- --	-- --	-- --	-- --
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	--	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	--	--	--	--	--
146	351110109053901	09-05-53	--	--	--	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	--	--	--	--	--
150	353919109054701	09-15-58	--	--	--	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	--	--	--	--	--
152	353436109055201	09-14-70	--	--	--	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	-- -- --	-- -- --	.1 -- --	-- -- --	.5 -- --	.4 -- --	.3 -- --	.1 -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	URANIUM NATURAL TOTAL (PCI/L AS U) (28012)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)
134	352029109042001	01-06-88 1-07-88	65 3.0	43 2.0	9 --	229 953	207 954	.31 1.30	-- --	6158 6158	192.00 192.00
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- --	261 243	-- .33	1.0 .25	6158 6158	192.00 192.00
136	354438109042301	12-16-58	--	--	--	--	--	--	--	6835	901.00
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	-- -- --	418 301 --	.57 .41 --	1.0 .62 --	6710 6710 6710	700.00 700.00 700.00
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- --	-- 265	-- .36	1.3 1.2	6725 6725	1293.00 1293.00
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	5760 1620 -- 376	7.83 2.20 -- .51	2.9 1.2 -- .20	6710 6710 6710 6710	895.00 895.00 895.00 895.00
140	353928109044501	03-09-50	--	--	--	--	347	.47	.20	6700	811.00
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- 585	-- .80	-- .10	6700 6700	290.00 290.00
142	355330109044901	10-08-59	--	--	--	444	446	.60	--	7160	250.00
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	-- 367	424 393	.58 .50	1.5 --	7190 7190	250.00 250.00
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	499 464 471	.68 .63 .64	4.3 5.2 3.7	7150 7150 7150	480.00 480.00 480.00
145	353032109052501	11-07-52	--	--	--	--	1120	1.52	2.6	6740	1358.00
146	351110109053901	09-05-53	--	--	--	--	233	--	9.7	6609	602.00
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- --	369 338	.50 .46	2.5 1.9	6725 6725	310.00 310.00
148	353848109054301	01-30-50	--	--	--	--	288	.39	3.0	6715	375.00
149	354530109054302	02-14-51	--	--	--	--	492	.67	2.9	6950	30.00
150	353919109054701	09-15-58	--	--	--	--	324	--	5.6	6810	400.00
151	354520109054701	03-27-53	--	--	--	--	--	--	--	7360	29.10
152	353436109055201	09-14-70	--	--	--	--	1410	1.92	.62	6658	904.00
153	353923109055201	06-14-49	--	--	--	--	303	.41	9.2	6820	200.00
154	351810109055301	12-05-86 8-19-87 1-12-88	20 1.5 6.8	-- .20 4.5	-- 4 5	848 201 876	914 -- 867	1.15 -- 1.19	-- -- --	6090 6090 6090	108.00 108.00 108.00

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM DIS- SOLVED, EXTRAC- TION (PCI/L) (80015)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	RADIUM 228 DIS- SOLVED (PCI/L AS RA-228) (81366)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	SAM- PLING METHOD, CODES (82398)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	ALKA- LILITY LAB (MG/L AS CACO3) (90410)
134	352029109042D01	01-06-88 1-07-88	34 .70	51 1.0	.90 --	-93.0 -82.0	-11.6D -10.00	-- --	10.0 14.5	-- --	-- --
135	352027109042101	10-02-58 4-04-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
136	354438109042301	12-16-58	--	--	--	--	--	--	--	--	--
137	353941109042401	03-10-50 4-17-62 6-30-63	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
138	354024109042401	06-21-55 1-10-73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
139	353944109043001	07-01-54 7-29-54 8-06-54 9-03-54	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --
140	353928109044501	03-09-50	--	--	--	--	--	--	--	--	--
141	353900109044701	06-01-56 6-04-56	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
142	355330109044901	10-08-59	--	--	--	--	--	--	--	--	--
143	355358109045001	06-01-58 10-28-59	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
144	355332109045301	04-22-58 4-22-58 5-09-68	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
145	353032109052501	11-07-52	--	--	--	--	--	--	--	--	--
146	351110109053901	09-05-53	--	--	--	--	--	--	--	--	--
147	354047109054201	09-23-58 11-10-69	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
148	353848109054301	01-30-50	--	--	--	--	--	--	--	--	--
149	354530109054302	02-14-51	--	--	--	--	--	--	--	--	--
150	353919109054701	09-15-58	--	--	--	--	--	--	--	--	--
151	354520109054701	03-27-53	--	--	--	--	--	--	--	--	--
152	353436109055201	09-14-70	--	--	--	--	--	--	--	--	--
153	353923109055201	06-14-49	--	--	--	--	--	--	--	--	--
154	351810109055301	12-05-86 8-19-87 1-12-88	-- -- 4.0	-- -- 6.0	-- -- --	-- -84.0 -79.0	-- -11.40 -9.80	4030 -- --	-- 18.0 13.0	1420 -- --	408 -- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	SAM- PLING DEPTH (FT) (00003)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE (G/M) (00058)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)
155	354522109055501	02-29-48	--	--	10.5	--	--	1028	--	471	--
156	351906109055801	09-14-55	--	--	22.0	--	--	1028	--	3000	--
157	353522109055901	12-12-67	--	--	--	--	--	1008	--	670	--
158	351906109060201	09-14-55	--	--	22.0	--	--	1028	--	2060	--
159	353904109062001	06-14-49	--	--	--	--	--	1028	--	513	--
160	350858109063201	04-22-59 11-18-75	-- --	-- --	18.5 14.0	-- --	-- --	1028 1028	-- --	270 290	-- --
161	353517109063801	07-30-64 1-22-73	-- --	-- --	-- --	-- --	-- --	9735 --	-- --	420 540	-- --
162	351924109063901	11-28-55	--	175	--	--	--	1028	--	670	--
163	351557109070901	04-15-68	--	--	--	--	704	704	--	440	--
164	351726109073001	07-17-87 7-17-87	-- 000	-- --	-- --	-- --	1008 1008	1008 1008	-- --	-- --	-- --
165	352000109075001	01-10-88	--	--	--	24.0	910	910	--	--	--
166	350608109084201	11-18-75	--	--	--	--	--	1028	--	280	--
167	354800109084601	05-27-64	--	--	15.5	--	--	1028	--	414	--
168	355152109085401	07-01-55	--	--	14.5	--	--	1028	--	612	--
169	355152109085601	07-28-55 7-29-55	-- --	-- --	-- --	-- --	-- --	1028 1028	-- --	566 566	-- --
170	351439109090401	06-27-49	--	--	--	--	--	1028	--	384	--
171	351646109091801	11-03-54	--	--	12.0	--	--	1028	--	891	--
172	350959109091901	08-19-75	1730	--	22.0	--	--	1028	--	300	--
173	351722109092601	08-10-88	--	--	--	29.0	910	910	4.0	--	1.1
174	351728109092901	08-10-88	--	--	--	--	910	910	--	--	--
175	360034109102701	05-25-53	--	--	11.5	--	--	1028	--	458	--
176	351128109114601	08-02-75	1450	--	14.5	--	--	1028	--	320	--
177	350240109121001	08-12-75	--	--	--	--	--	1028	--	280	--
178	351138109121501	11-04-54 8-20-75	-- --	-- --	-- 15.0	-- --	-- --	1028 1028	-- --	310 260	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	PH (STAND- ARD UNITS) (00400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CAC03 (00410)	ALKA- LINITY, CARBON- ATE FET-FLD (MG/L CAC03) (00430)	ALKA- LINITY (MG/L AS CAC03) (00431)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	CAR- BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	BICAR- BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)
155	354522109055501	02-29-48	--	--	--	221	--	--	270	--	--	--
156	351906109055801	09-14-55	7.1	--	47	303	--	--	370	--	--	--
157	353522109055901	12-12-67	8.0	--	4.5	230	--	--	280	--	--	--
158	351906109060201	09-14-55	7.9	--	7.3	297	--	--	360	--	--	--
159	353904109062001	06-14-49	--	--	--	197	--	--	240	--	--	--
160	350858109063201	04-22-59 11-18-75	7.3 --	-- --	10 --	103 99	-- --	-- --	130 120	-- --	-- --	-- --
161	353517109063801	07-30-64 1-22-73	7.9 7.8	-- --	3.8 7.3	153 235	-- --	-- --	190 290	-- --	-- --	-- --
162	351924109063901	11-28-55	8.6	--	1.3	275	--	--	320	10	--	--
163	351557109070901	04-15-68	7.3	--	--	--	--	120	150	--	--	--
164	351726109073001	07-17-87 7-17-87	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
165	352000109075001	01-10-88	6.9	965	--	--	--	--	--	--	<1	240
166	350608109084201	11-18-75	--	--	--	126	--	--	150	--	--	--
167	354800109084601	05-27-64	8.9	--	.4	146	--	--	150	14	--	--
168	355152109085401	07-01-55	7.5	--	15	238	--	--	290	--	--	--
169	355152109085601	07-28-55 7-29-55	7.3 7.3	-- --	23 7.5	238 77	-- --	-- --	290 94	-- --	-- --	-- --
170	351439109090401	06-27-49	--	--	--	131	--	--	160	--	--	--
171	351646109091801	11-03-54	--	--	--	254	--	--	310	--	--	--
172	350959109091901	08-19-75	7.5	--	7.2	116	--	--	140	--	--	--
173	351722109092601	08-10-88	7.0	1010	--	--	280	--	--	--	<1	232
174	351728109092901	08-10-88	--	--	--	--	--	--	--	--	--	--
175	360034109102701	05-25-53	--	--	--	172	--	--	210	--	--	--
176	351128109114601	08-02-75	6.9	--	32	130	--	--	160	--	--	--
177	350240109121001	08-12-75	7.6	--	6.3	129	--	--	160	--	--	--
178	351138109121501	11-04-54 8-20-75	-- 7.1	-- --	-- 15	123 98	-- --	-- --	150 120	-- --	-- --	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CAR-	BICAR-	NITRO-	NITRO-	NITRO-	NITRO-	NITRO-	PHOS-	PHOS-	
			BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	GEN, DIS- AMMONIA SOLVED (MG/L AS N) (00608)	GEN, DIS- NITRATE SOLVED (MG/L AS N) (00618)	GEN, NITRATE TOTAL (MG/L AS N) (00620)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOROUS TOTAL (MG/L AS P) (00665)	PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
155	354522109055501	02-29-48	--	--	--	--	--	--	--	--	--	--
156	351906109055801	09-14-55	--	--	--	--	--	--	--	--	--	--
157	353522109055901	12-12-67	--	--	--	--	--	--	--	--	.002	--
158	351906109060201	09-14-55	--	--	--	--	--	--	--	--	--	--
159	353904109062001	06-14-49	--	--	--	--	--	--	--	--	--	--
160	350858109063201	04-22-59 11-18-75	-- --	-- --	-- --	2.00 --	-- --	-- --	-- 2.50	-- .06	-- --	-- .020
161	353517109063801	07-30-64 1-22-73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
162	351924109063901	11-28-55	--	--	--	--	--	--	--	--	--	--
163	351557109070901	04-15-68	--	--	--	--	--	24.0	--	--	--	--
164	351726109073001	07-17-87 7-17-87	-- --	346 --	-- --	-- --	-- .700	-- --	-- --	-- --	-- --	-- --
165	352000109075001	01-10-88	<1	240	1.50	--	1.50	--	--	--	--	--
166	350608109084201	11-18-75	--	--	--	--	--	--	1.70	.03	--	.010
167	354800109084601	05-27-64	--	--	--	--	--	--	--	--	--	--
168	355152109085401	07-01-55	--	--	--	--	--	--	--	--	--	--
169	355152109085601	07-28-55 7-29-55	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
170	351439109090401	06-27-49	--	--	--	--	--	--	--	--	--	--
171	351646109091801	11-03-54	--	--	--	--	--	--	--	--	--	--
172	350959109091901	08-19-75	--	--	--	--	--	--	4.80	--	--	<.010
173	351722109092601	08-10-88	<1	232	2.50	--	2.50	--	--	--	--	--
174	351728109092901	08-10-88	--	--	--	--	--	--	--	--	--	--
175	360034109102701	05-25-53	--	--	--	--	--	--	--	--	--	--
176	351128109114601	08-02-75	--	--	--	--	--	--	1.50	--	--	<.010
177	350240109121001	08-12-75	--	--	--	--	--	--	.550	.03	--	.010
178	351138109121501	11-04-54 8-20-75	-- --	-- --	-- --	-- --	-- --	-- --	-- 3.20	-- --	-- --	-- <.010

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)
			155	354522109055501	02-29-48	230	--	--	56	23	--	--
156	351906109055801	09-14-55	--	--	--	--	--	--	--	--	--	--
157	353522109055901	12-12-67	280	55	--	57	--	--	29	.8	18	--
158	351906109060201	09-14-55	--	--	--	--	--	--	--	--	--	--
159	353904109062001	06-14-49	260	64	--	80	14	--	--	.2	6	8.1
160	350858109063201	04-22-59 11-18-75	110 98	2 --	-- --	34 34	5.1 3.2	-- --	-- 14	.7 .6	25 23	17 --
161	353517109063801	07-30-64 1-22-73	200 260	45 25	-- --	38 54	25 30	-- --	14 13	.4 .4	13 10	-- --
162	351924109063901	11-28-55	--	--	--	--	--	--	--	--	--	--
163	351557109070901	04-15-68	180	--	--	58	7.6	--	53	2	39	--
164	351726109073001	07-17-87 7-17-87	140 --	-- --	-- --	41 --	8.8 --	-- --	140 --	5 --	68 --	-- --
165	352000109075001	01-10-88	350	--	95	92	29	30	58	1	26	--
166	350608109084201	11-18-75	130	2	--	45	3.6	--	8.0	.3	12	--
167	354800109084601	05-27-64	15	--	--	4.2	1.1	--	--	11	93	94
168	355152109085401	07-01-55	290	46	--	--	--	--	--	.5	14	21
169	355152109085601	07-28-55 7-29-55	260 --	18 --	-- --	64 --	24 --	-- --	-- --	.6 --	16 --	23 --
170	351439109090401	06-27-49	9	--	--	2.0	.90	--	--	--	--	85
171	351646109091801	11-03-54	130	--	--	40	7.8	--	--	--	--	150
172	350959109091901	08-19-75	120	--	--	41	3.5	--	17	.7	23	--
173	351722109092601	08-10-88	370	--	110	100	27	28	76	2	31	--
174	351728109092901	08-10-88	--	--	--	--	--	--	--	--	--	--
175	360034109102701	05-25-53	200	28	--	59	13	--	--	.6	18	20
176	351128109114601	08-02-75	130	--	--	44	4.2	--	17	.7	22	--
177	350240109121001	08-12-75	110	--	--	35	5.3	--	15	.6	22	--
178	351138109121501	11-04-54 8-20-75	63 77	-- --	-- --	17 26	5.0 2.9	-- --	-- 27	3 1	61 42	45 --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, DIS- SOLVED TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS- SOLVED (UG/L AS B) (01020)
155	354522109055501	02-29-48	--	--	14	23	.60	--	--	--	--	--
156	351906109055801	09-14-55	--	--	110	--	--	--	--	--	--	--
157	353522109055901	12-12-67	2.7	--	22	95	.20	--	--	--	--	--
158	351906109060201	09-14-55	--	--	36	--	--	--	--	--	--	--
159	353904109062001	06-14-49	--	--	11	59	.20	--	--	--	--	--
160	350858109063201	04-22-59 11-18-75	-- 1.9	-- --	15 13	8.6 7.7	.60 .30	-- --	28 25	-- --	-- --	-- <20
161	353517109063801	07-30-64 1-22-73	3.5 3.0	-- --	5.3 12	37 29	.40 .42	-- --	-- --	-- --	-- --	-- 60
162	351924109063901	11-28-55	--	--	16	--	--	--	--	--	--	--
163	351557109070901	04-15-68	1.6	--	48	45	.30	--	--	--	--	--
164	351726109073001	07-17-87 7-17-87	1.4 --	-- --	47 --	44 --	.44 --	-- --	-- --	-- --	-- --	-- --
165	352000109075001	01-10-88	2.4	3.0	31	210	.39	.4	--	6	6	--
166	350608109084201	11-18-75	1.9	--	7.7	8.3	.40	--	21	--	--	40
167	354800109084601	05-27-64	--	--	30	28	.60	--	39	--	--	--
168	355152109085401	07-01-55	--	--	18	59	.20	--	14	--	--	--
169	355152109085601	07-28-55 7-29-55	-- --	-- --	19 18	36 --	.20 --	-- --	15 --	-- --	-- --	-- --
170	351439109090401	06-27-49	--	--	29	12	--	--	--	--	--	--
171	351646109091801	11-03-54	--	--	77	56	1.2	--	17	--	--	--
172	350959109091901	08-19-75	3.1	--	13	12	.20	--	19	--	--	4
173	351722109092601	08-10-88	3.1	3.1	73	210	.31	.3	--	6	4	--
174	351728109092901	08-10-88	--	--	--	--	--	--	--	--	--	--
175	360034109102701	05-25-53	--	--	23	33	.20	--	11	--	--	--
176	351128109114601	08-02-75	2.1	--	14	9.9	.20	--	23	--	--	<20
177	350240109121001	08-12-75	3.4	--	6.4	6.5	.20	--	26	--	--	30
178	351138109121501	11-04-54 8-20-75	-- 2.2	-- --	21 11	8.8 7.4	.80 .40	-- --	3.2 16	-- --	-- --	-- 8

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)
155	354522109055501	02-29-48	--	--	--	--	--	--	--	--	--	--
156	351906109055801	09-14-55	--	--	--	--	--	--	--	--	--	--
157	353522109055901	12-12-67	--	--	--	--	--	220	--	--	--	--
158	351906109060201	09-14-55	--	--	--	--	--	--	--	--	--	--
159	353904109062001	06-14-49	--	--	--	--	--	--	--	--	--	--
160	350858109063201	04-22-59 11-18-75	-- --	-- --	-- --	-- --	-- --	-- 50	-- --	-- --	-- --	-- --
161	353517109063801	07-30-64 1-22-73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
162	351924109063901	11-28-55	--	--	--	--	--	--	--	--	--	--
163	351557109070901	04-15-68	--	--	--	--	--	10	--	--	--	--
164	351726109073001	07-17-87 7-17-87	-- --	-- --	-- --	-- --	-- 1	-- --	-- --	-- --	-- --	-- --
165	352000109075001	01-10-88	<5	<5	<10	<10	100	80	10	<10	20	20
166	350608109084201	11-18-75	--	--	--	--	--	20	--	--	--	--
167	354800109084601	05-27-64	--	--	--	--	--	--	--	--	--	--
168	355152109085401	07-01-55	--	--	--	--	--	--	--	--	--	--
169	355152109085601	07-28-55 7-29-55	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
170	351439109090401	06-27-49	--	--	--	--	--	--	--	--	--	--
171	351646109091801	11-03-54	--	--	--	--	--	--	--	--	--	--
172	350959109091901	08-19-75	--	--	--	--	--	<10	--	--	--	--
173	351722109092601	08-10-88	5	<5	<10	<10	3400	2900	1400	1200	<10	<10
174	351728109092901	08-10-88	--	--	--	--	--	--	--	--	--	--
175	360034109102701	05-25-53	--	--	--	--	--	--	--	--	--	--
176	351128109114601	08-02-75	--	--	--	--	--	<10	--	--	--	--
177	350240109121001	08-12-75	--	--	--	--	--	20	--	--	--	--
178	351138109121501	11-04-54 8-20-75	-- --	-- --	-- --	-- --	-- --	-- 150	-- --	-- --	-- --	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	RADIUM 228, TOTAL (PCI/L) (11501)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	URANIUM NATURAL TOTAL (PCI/L AS U) (28012)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)
155	354522109055501	02-29-48	--	--	--	--	--	276	.38	7.1	--
156	351906109055801	09-14-55	--	--	--	--	--	--	--	--	--
157	353522109055901	12-12-67	--	--	--	--	--	420	--	2.6	--
158	351906109060201	09-14-55	--	--	--	--	--	--	--	--	--
159	353904109062001	06-14-49	--	--	--	--	--	293	.40	4.1	--
160	350858109063201	04-22-59 11-18-75	-- --	-- --	-- --	-- --	-- 153	179 170	.24 .21	-- --	8.7 --
161	353517109063801	07-30-64 1-22-73	-- --	-- --	-- --	-- --	-- --	215 282	.29 .38	-- 1.2	-- --
162	351924109063901	11-28-55	--	--	--	--	--	--	--	--	--
163	351557109070901	04-15-68	--	--	--	--	345	285	.47	--	--
164	351726109073001	07-17-87 7-17-87	-- --	-- <.30	-- --	-- <4	475 467	453 --	.65 --	-- --	-- --
165	352000109075001	01-10-88	--	8.6	5.7	4	588	542	.80	--	--
166	350608109084201	11-18-75	--	--	--	--	190	179	.26	--	--
167	354800109084601	05-27-64	--	--	--	--	--	285	.39	.20	--
168	355152109085401	07-01-55	--	--	--	--	--	--	--	4.4	--
169	355152109085601	07-28-55 7-29-55	-- --	-- --	-- --	-- --	-- --	330 --	.45 --	4.7 --	-- --
170	351439109090401	06-27-49	--	--	--	--	--	219	--	10	--
171	351646109091801	11-03-54	--	--	--	--	--	542	--	41	--
172	350959109091901	08-19-75	--	--	--	--	201	200	.27	--	--
173	351722109092601	08-10-88	.3	13	8.7	4	668	612	.91	--	--
174	351728109092901	08-10-88	--	--	--	--	--	--	--	--	--
175	360034109102701	05-25-53	--	--	--	--	--	267	.36	3.6	--
176	351128109114601	08-02-75	--	--	--	--	197	199	.27	--	--
177	350240109121001	08-12-75	--	--	--	--	183	178	.25	--	--
178	351138109121501	11-04-54 8-20-75	-- --	-- --	-- --	-- --	-- 151	173 166	.24 .21	.40 --	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	URANIUM DIS- SOLVED, EXTRAC- TION (PCI/L) (80015)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	RADIUM 228 DIS- SOLVED (PCI/L AS RA-228) (81366)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
155	354522109055501	02-29-48	7200	14.00	--	--	--	--	--	--	--
156	351906109055801	09-14-55	6175	185.00	--	--	--	--	--	--	--
157	353522109055901	12-12-67	6640	198.00	--	--	--	--	--	--	--
158	351906109060201	09-14-55	6190	130.00	--	--	--	--	--	--	--
159	353904109062001	06-14-49	6750	130.00	--	--	--	--	--	--	--
160	350858109063201	04-22-59 11-18-75	6537 6537	800.00 800.00	--	--	--	--	--	--	--
161	353517109063801	07-30-64 1-22-73	6780 6780	575.00 575.00	--	--	--	--	--	--	--
162	351924109063901	11-28-55	6285	1000.00	--	--	--	--	--	--	--
163	351557109070901	04-15-68	--	--	--	--	--	--	--	--	--
164	351726109073001	07-17-87 7-17-87	6060 6060	-- --	--	<.30	--	--	--	--	--
165	352000109075001	01-10-88	6600	--	4.4	6.6	--	-82.0	-11.40	22.0	--
166	350608109084201	11-18-75	6483	500.00	--	--	--	--	--	--	--
167	354800109084601	05-27-64	7475	432.00	--	--	--	--	--	--	--
168	355152109085401	07-01-55	7510	145.00	--	--	--	--	--	--	--
169	355152109085601	07-28-55 7-29-55	7515 7515	225.00 225.00	--	--	--	--	--	--	--
170	351439109090401	06-27-49	6329	314.00	--	--	--	--	--	--	--
171	351646109091801	11-03-54	6020	95.00	--	--	--	--	--	--	--
172	350959109091901	08-19-75	6230	165.00	--	--	--	--	--	--	--
173	351722109092601	08-10-88	6120	--	8.1	12	.10	-77.0	-10.20	21.0	1100
174	351728109092901	08-10-88	6120	--	--	--	--	-62.0	-7.90	--	--
175	360034109102701	05-25-53	7500	775.00	--	--	--	--	--	--	--
176	351128109114601	08-02-75	6060	9.00	--	--	--	--	--	--	--
177	350240109121001	08-12-75	6395	420.00	--	--	--	--	--	--	--
178	351138109121501	11-04-54 8-20-75	6050 6050	25.00 25.00	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (D0020)	AGENCY COL- LECTING SAMPLE NUMBER (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE NUMBER (CODE NUMBER) (00028)	FLOW RATE (G/M) (00058)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)
179	351730109122601	10-16-85	0930	--	--	9704	--	--	--	--	--
180	351727109125001	09-15-55	--	23.0	--	--	1028	--	--	--	6.9
181	351639109125801	12-01-54 12-02-54	-- --	-- 19.5	--	-- --	1028 1028	-- --	-- 739	-- --	-- --
182	351154109130001	11-04-54	--	--	--	--	1028	--	--	--	--
183	351751109130701	12-19-62 11-05-68	-- --	-- --	--	-- --	1028 1008	-- --	749 840	-- --	7.6 --
184	351624109130901	08-05-88	--	--	27.0	910	910	6.6	--	.8	7.5
185	351750109132401	10-13-54	--	--	--	--	1028	--	871	--	--
186	351807109132601	10-22-54	--	12.5	--	--	1028	--	854	--	--
187	351834109134301	01-07-88	--	--	22.0	910	910	--	--	--	7.3
188	352852109134301	09-12-68	--	--	--	--	1008	--	430	--	7.3
189	350506109134601	11-18-75	--	14.5	--	--	1028	--	290	--	--
190	351607109140601	06-22-49	--	--	--	--	1028	--	1320	--	--
191	355640109144001	06-11-64	--	21.0	--	--	1028	--	247	--	9.0
192	353128109145801	09-14-53	--	14.0	--	--	1028	--	446	--	--
193	351804109152001	01-11-88	--	--	10.0	910	910	--	--	--	7.1
194	351155109152501	08-19-75	--	14.5	--	--	1028	--	410	--	7.5
195	351729109152601	09-15-55	--	22.0	--	--	1028	--	1090	--	7.3
196	350353109155301	08-12-75	--	20.0	--	--	1028	--	360	--	7.4
197	351707109161001	09-15-55	--	23.5	--	--	1028	--	903	--	7.0
198	353442109162601	01-17-54	--	--	--	--	1028	--	484	--	--
199	352422109164801	11-03-50 7-26-51 7-27-51	-- -- --	13.5 -- --	-- -- --	-- -- --	1028 1028 1028	-- -- --	588 538 1250	-- -- --	-- -- --
200	352419109165801	07-26-51	--	--	--	--	1028	--	538	--	--
201	352450109170001	12-23-53 8-11-67	-- --	12.0 --	-- --	-- --	1028 1008	-- --	503 420	-- --	-- 8.7

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SPE- CIFIC CONDUCT ANCE NONTEMP CORR. UMHS/CM (00402)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY, CARBON- ATE FET-FLD MG/L CACO3) (00430)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	CAR- BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	BICAR- BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
179	351730109122601	10-16-85	--	--	228	--	--	--	--	--	--	--
180	351727109125001	09-15-55	--	51	207	--	250	--	--	--	--	--
181	351639109125801	12-01-54 12-02-54	--	--	-- 223	--	-- 270	--	--	--	--	--
182	351154109130001	11-04-54	--	--	120	--	150	--	--	--	--	--
183	351751109130701	12-19-62 11-05-68	--	3.9 --	80 208	--	98 240	-- 6	--	--	--	--
184	351624109130901	08-05-88	1410	--	--	470	--	--	<1	394	<1	394
185	351750109132401	10-13-54	--	--	218	--	270	--	--	--	--	--
186	351807109132601	10-22-54	--	--	231	--	280	--	--	--	--	--
187	351834109134301	01-07-88	260	--	--	--	--	--	<1	139	<1	139
188	352852109134301	09-12-68	--	16	159	--	190	--	--	--	--	--
189	350506109134601	11-18-75	--	--	146	--	180	--	--	--	--	--
190	351607109140601	06-22-49	--	--	405	--	490	--	--	--	--	--
191	355640109144001	06-11-64	--	.2	86	--	76	14	--	--	--	--
192	353128109145801	09-14-53	--	--	213	--	260	--	--	--	--	--
193	351804109152001	01-11-88	465	--	--	--	--	--	<1	219	<1	219
194	351155109152501	08-19-75	--	8.7	141	--	170	--	--	--	--	--
195	351729109152601	09-15-55	--	30	312	--	380	--	--	--	--	--
196	350353109155301	08-12-75	--	11	147	--	180	--	--	--	--	--
197	351707109161001	09-15-55	--	58	295	--	360	--	--	--	--	--
198	353442109162601	01-17-54	--	--	213	--	260	--	--	--	--	--
199	352422109164801	11-03-50 7-26-51 7-27-51	-- -- --	-- -- --	246 230 681	-- -- --	300 280 830	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
200	352419109165801	07-26-51	--	--	228	--	280	--	--	--	--	--
201	352450109170001	12-23-53 8-11-67	-- --	-- .4	213 107	-- --	260 130	-- --	-- --	-- --	-- --	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
179	351730109122601	10-16-85	--	--	--	--	--	--	--	--	--	--
180	351727109125001	09-15-55	--	--	--	--	--	--	300	96	--	85
181	351639109125801	12-01-54 12-02-54	-- --	-- --	-- --	-- --	-- --	-- --	330 330	110 110	-- --	-- 91
182	351154109130001	11-04-54	--	--	--	--	--	--	63	--	--	17
183	351751109130701	12-19-62 11-05-68	-- --	-- --	-- --	-- --	-- --	-- --	390 320	310 110	-- --	140 95
184	351624109130901	08-05-88	<.100	--	.100	--	--	--	280	--	91	81
185	351750109132401	10-13-54	--	--	--	--	--	--	330	110	--	99
186	351807109132601	10-22-54	--	--	--	--	--	--	370	140	--	110
187	351834109134301	01-07-88	2.30	--	2.30	--	--	--	140	--	140	50
188	352852109134301	09-12-68	--	--	--	--	--	--	160	3	--	51
189	350506109134601	11-18-75	--	--	--	.580	--	<.010	120	--	--	43
190	351607109140601	06-22-49	--	--	--	--	--	--	300	--	--	86
191	355640109144001	06-11-64	--	--	--	--	--	--	28	--	--	10
192	353128109145801	09-14-53	--	--	--	--	--	--	220	10	--	64
193	351804109152001	01-11-88	1.20	--	1.20	--	--	--	260	--	92	92
194	351155109152501	08-19-75	--	--	--	.160	.06	.020	82	--	--	28
195	351729109152601	09-15-55	--	3.80	--	--	--	--	310	--	--	91
196	350353109155301	08-12-75	--	--	--	1.40	.03	.010	150	--	--	49
197	351707109161001	09-15-55	--	--	--	--	--	--	390	92	--	110
198	353442109162601	01-17-54	--	--	--	--	--	--	230	12	--	74
199	352422109164801	11-03-50 7-26-51 7-27-51	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	270 250 700	28 20 19	-- -- --	88 -- --
200	352419109165801	07-26-51	--	--	--	--	--	--	--	--	--	--
201	352450109170001	12-23-53 8-11-67	-- --	-- --	-- --	-- --	-- --	-- --	240 780	33 46	-- --	74 47

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (D0931)	SODIUM PERCENT (D0932)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (D0935)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (D0940)
179	351730109122601	1D-16-85	--	--	--	--	--	--	--	--	--
180	351727109125001	09-15-55	22	--	--	--	--	58	--	--	41
181	351639109125801	12-01-54 12-02-54	-- 26	-- --	-- --	-- --	-- --	-- 33	-- --	-- --	-- 30
182	351154109130001	11-04-54	5.0	--	--	--	--	--	--	--	21
183	351751109130701	12-19-62 11-05-68	8.9 20	-- --	-- 61	-- 1	-- 29	15 --	-- 1.7	-- --	10 40
184	351624109130901	08-05-88	20	22	220	6	62	--	3.0	3.5	170
185	351750109132401	10-13-54	20	--	--	--	--	63	--	--	48
186	351807109132601	10-22-54	24	--	--	--	--	55	--	--	43
187	351834109134301	01-07-88	5.1	14	29	1	30	--	1.7	4.6	13
188	352852109134301	09-12-68	8.5	--	23	.8	23	--	.82	--	12
189	350506109134601	11-18-75	3.3	--	16	.6	22	--	3.6	--	5.6
190	351607109140601	06-22-49	20	--	--	--	--	190	--	--	120
191	355640109144001	06-11-64	.70	--	--	4	80	50	--	--	7.4
192	353128109145801	09-14-53	15	--	--	.3	9	10	--	--	10
193	351804109152001	01-11-88	6.8	6.8	30	.8	20	--	1.2	1.4	39
194	351155109152501	08-19-75	2.9	--	61	3	61	--	1.7	--	30
195	351729109152601	09-15-55	20	--	--	3	48	130	--	--	74
196	350353109155301	08-12-75	5.6	--	11	.4	14	--	2.3	--	4.5
197	351707109161001	09-15-55	29	--	--	1	23	55	--	--	44
198	353442109162601	01-17-54	11	--	--	.5	14	17	--	--	19
199	352422109164801	11-03-50 7-26-51 7-27-51	13 -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	26 32 34
200	352419109165801	07-26-51	--	--	--	--	--	--	--	--	32
201	352450109170001	12-23-53 8-11-67	14 160	-- --	-- 17	.4 .3	11 --	13 --	-- --	-- --	25 38

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SiO ₂) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
179	351730109122601	10-16-85	490	--	--	--	--	--	--	--	--
180	351727109125001	09-15-55	150	1.0	--	17	--	--	--	--	--
181	351639109125801	12-01-54 12-02-54	130 130	-- .20	--	-- 23	-- --	-- --	-- --	-- --	-- --
182	351154109130001	11-04-54	8.8	.80	--	3.2	--	--	--	--	--
183	351751109130701	12-19-62 11-05-68	310 190	.20 .35	--	9.3 --	-- --	-- --	-- --	-- --	-- --
184	351624109130901	08-05-88	170	.47	.5	--	7	7	--	<5	<5
185	351750109132401	10-13-54	170	.60	--	13	--	--	--	--	--
186	351807109132601	10-22-54	180	.40	--	13	--	--	--	--	--
187	351834109134301	01-07-88	4.0	.48	.1	--	1	<1	--	<5	<5
188	352852109134301	09-12-68	35	.50	--	--	--	--	--	--	--
189	350506109134601	11-18-75	11	.20	--	26	--	--	40	--	--
190	351607109140601	06-22-49	130	--	--	--	--	--	--	--	--
191	355640109144001	06-11-64	35	1.4	--	31	--	--	--	--	--
192	353128109145801	09-14-53	12	.20	--	16	--	--	--	--	--
193	351804109152001	01-11-88	46	.19	.2	--	4	4	--	5	<5
194	351155109152501	08-19-75	18	.40	--	23	--	--	<20	--	--
195	351729109152601	09-15-55	160	.60	--	20	--	--	--	--	--
196	350353109155301	08-12-75	5.7	.20	--	27	--	--	<20	--	--
197	351707109161001	09-15-55	140	.60	--	14	--	--	--	--	--
198	353442109162601	01-17-54	20	.40	--	19	--	--	--	--	--
199	352422109164801	11-03-50 7-26-51 7-27-51	21 -- --	.10 .40 .40	-- -- --	20 -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
200	352419109165801	07-26-51	--	.40	--	--	--	--	--	--	--
201	352450109170001	12-23-53 8-11-67	20 35	.20 .15	-- --	17 --	-- --	-- --	-- --	-- --	-- --

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	SILICON DIS- SOLVED (UG/L AS SI) (01140)
179	351730109122601	10-16-85	--	--	--	--	--	--	--	--	--
180	351727109125001	09-15-55	--	--	--	--	--	--	--	--	--
181	351639109125801	12-01-54 12-02-54	--	--	--	--	--	--	--	--	--
182	351154109130001	11-04-54	--	--	--	--	--	--	--	--	--
183	351751109130701	12-19-62 11-05-68	--	--	--	70	--	--	--	--	--
184	351624109130901	08-05-88	<10	<10	2400	2300	560	560	<10	<10	17000
185	351750109132401	10-13-54	--	--	--	--	--	--	--	--	--
186	351807109132601	10-22-54	--	--	--	--	--	--	--	--	--
187	351834109134301	01-07-88	<10	<10	90	30	10	<10	<10	<10	9400
188	352852109134301	09-12-68	--	--	--	40	--	--	--	--	--
189	350506109134601	11-18-75	--	--	--	<10	--	--	--	--	--
190	351607109140601	06-22-49	--	--	--	--	--	--	--	--	--
191	355640109144001	06-11-64	--	--	--	--	--	--	--	--	--
192	353128109145801	09-14-53	--	--	--	--	--	--	--	--	--
193	351804109152001	01-11-88	10	10	50	20	10	<10	20	20	12000
194	351155109152501	08-19-75	--	--	--	<10	--	--	--	--	--
195	351729109152601	09-15-55	--	--	--	--	--	--	--	--	--
196	350353109155301	08-12-75	--	--	--	20	--	--	--	--	--
197	351707109161001	09-15-55	--	--	--	--	--	--	--	--	--
198	353442109162601	01-17-54	--	--	--	--	--	--	--	--	--
199	352422109164801	11-03-50 7-26-51 7-27-51	--	--	--	--	--	--	--	--	--
200	352419109165801	07-26-51	--	--	--	--	--	--	--	--	--
201	352450109170001	12-23-53 8-11-67	--	--	--	70	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	RADIUM 228, TOTAL (PCI/L) (11501)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	URANIUM NATURAL TOTAL (PCI/L AS U) (28012)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)
179	351730109122601	10-16-85	--	--	--	--	--	--	--	--	--
180	351727109125001	09-15-55	--	--	--	--	--	505	--	5.6	--
181	351639109125801	12-01-54	--	--	--	--	--	--	--	--	--
		12-02-54	--	--	--	--	--	473	--	9.2	--
182	351154109130001	11-04-54	--	--	--	--	--	--	--	--	--
183	351751109130701	12-19-62	--	--	--	--	--	542	--	1.6	--
		11-05-68	--	--	--	--	--	539	.73	.12	--
184	351624109130901	08-05-88	.7	2.2	1.5	4	940	860	1.28	--	--
185	351750109132401	10-13-54	--	--	--	--	--	548	--	1.3	--
186	351807109132601	10-22-54	--	--	--	--	--	563	--	.30	--
187	351834109134301	01-07-88	--	3.9	2.6	4	194	174	.26	--	--
188	352852109134301	09-12-68	--	--	--	--	--	226	.31	.06	--
189	350506109134601	11-18-75	--	--	--	--	198	199	.27	--	--
190	351607109140601	06-22-49	--	--	--	--	--	789	--	.30	--
191	355640109144001	06-11-64	--	--	--	--	--	187	.25	.40	--
192	353128109145801	09-14-53	--	--	--	--	--	258	.35	4.1	--
193	351804109152001	01-11-88	--	3.9	2.6	4	388	324	.53	--	--
194	351155109152501	08-19-75	--	--	--	--	247	250	.34	--	--
195	351729109152601	09-15-55	--	--	--	--	--	703	.96	--	17
196	350353109155301	08-12-75	--	--	--	--	199	200	.27	--	--
197	351707109161001	09-15-55	--	--	--	--	--	570	.78	.40	--
198	353442109162601	01-17-54	--	--	--	--	--	292	.40	1.3	--
199	352422109164801	11-03-50	--	--	--	--	--	342	.47	9.2	--
		7-26-51	--	--	--	--	--	--	--	--	--
		7-27-51	--	--	--	--	--	--	--	--	--
200	352419109165801	07-26-51	--	--	--	--	--	--	--	--	--
201	352450109170001	12-23-53	--	--	--	--	--	295	.40	6.4	--
		8-11-67	--	--	--	--	--	314	--	1.4	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	URANIUM DIS- SOLVED, EXTRAC- TION (PCI/L) (80015)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	RADIUM 228 DIS- SOLVED (PCI/L AS RA-228) (81366)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
179	351730109122601	10-16-85	--	--	--	--	--	--	--	--	--
180	351727109125001	09-15-55	6020	300.00	--	--	--	--	--	--	--
181	351639109125801	12-01-54 12-02-54	6020 6020	380.00 380.00	--	--	--	--	--	--	--
182	351154109130001	11-04-54	6038	75.00	--	--	--	--	--	--	--
183	351751109130701	12-19-62 11-05-68	6005 6005	76.50 76.50	--	--	--	--	--	--	--
184	351624109130901	08-05-88	5980	210.00	.60	.90	--	-79.0	-10.50	15.0	1760
185	351750109132401	10-13-54	6080	106.00	--	--	--	--	--	--	--
186	351807109132601	10-22-54	6100	122.00	--	--	--	--	--	--	--
187	351834109134301	01-07-88	6248	--	.70	1.0	--	-84.0	-11.30	9.0	--
188	352852109134301	09-12-68	7160	588.00	--	--	--	--	--	--	--
189	350506109134601	11-18-75	6671	795.00	--	--	--	--	--	--	--
190	351607109140601	06-22-49	5980	350.00	--	--	--	--	--	--	--
191	355640109144001	06-11-64	7640	846.00	--	--	--	--	--	--	--
192	353128109145801	09-14-53	7274	405.00	--	--	--	--	--	--	--
193	351804109152001	01-11-88	6288	--	1.2	1.8	--	-83.0	-10.80	10.0	--
194	351155109152501	08-19-75	5957	75.00	--	--	--	--	--	--	--
195	351729109152601	09-15-55	6165	204.00	--	--	--	--	--	--	--
196	350353109155301	08-12-75	--	381.00	--	--	--	--	--	--	--
197	351707109161001	09-15-55	6180	135.00	--	--	--	--	--	--	--
198	353442109162601	01-17-54	7525	615.00	--	--	--	--	--	--	--
199	352422109164801	11-03-50 7-26-51 7-27-51	6970 6970 6970	328.00 328.00 328.00	--	--	--	--	--	--	--
200	352419109165801	07-26-51	6980	760.00	--	--	--	--	--	--	--
201	352450109170001	12-23-53 8-11-67	7024 7024	546.00 546.00	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	SAM- PLING DEPTH (FT) (00003)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE (G/M) (D0058)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	TUR- BID- ITY (NTU) (00076)
202	350641109170401	03-10-87	1615	--	21.0	--	--	1028	1028	--	55	--
203	352432109170801	04-27-54	--	--	--	--	--	--	1028	--	--	--
204	352433109172401	09-29-54 9-30-54 10-01-54	-- -- --	325 369 404	-- -- --	-- -- --	-- -- --	-- -- --	1028 1028 1028	-- -- --	-- -- --	-- -- --
205	351503109175101	09-15-55	--	--	22.0	--	--	--	1028	--	--	--
206	351638109180801	01-11-88	--	--	--	5.0	--	910	910	--	--	--
207	351420109181401	11-18-75	--	--	--	--	--	--	--	--	--	--
208	351843109182401	06-21-49	--	--	--	--	--	--	1028	--	--	--
209	350544109184301	08-20-75	--	--	--	--	--	--	1028	--	--	--
210	351638109190901	01-11-88	--	--	--	10.0	--	910	910	--	--	--
211	351425109192001	12-07-72	--	--	--	--	--	--	1008	--	--	--
212	351259109192601	05-20-76 8-17-82	0930 1150	-- --	-- --	-- --	-- --	9704 9704	-- --	-- --	-- --	-- --
213	351241109193101	12-04-86	1450	--	14.0	--	618	--	1028	--	--	.90
214	351254109194501	06-01-69 3-27-74 12-04-86 12-04-86 12-04-86 1-13-88 8-04-88 8-10-88 8-10-88 8-10-88 8-10-88 8-10-88	-- -- 0945 1000 1015 -- -- 1037 1205 1230 1230 1310	-- -- -- -- -- -- -- -- -- -- -- --	-- -- 13.0 13.0 13.0 -- -- -- -- -- 13.5 --	-- -- -- -- -- 10.0 27.0 -- -- -- -- --	-- -- 619 619 619 -- -- -- -- -- -- --	-- -- 1028 1028 1028 910 910 1028 1028 1028 1028 1028	-- -- 9704 9704 1028 1028 1028 910 910 1028 1028 1028 910 910	-- -- -- -- -- -- 1.3 -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- --
215	351147109194901	08-22-75	--	--	13.0	--	--	--	1028	--	--	--
216	351230109194901	01-12-88 8-03-88	-- --	-- --	-- --	12.5 25.0	-- --	910 910	910 910	-- 2.0	-- --	-- --
217	351229109195101	11-20-75	--	--	--	--	--	--	1028	--	--	--
218	351302109195901	02-28-80 12-04-86 8-31-87	0000 1130 --	-- -- --	-- 15.0 --	-- -- 26.5	-- 619 --	1028 -- 910	1028 1028 910	-- -- --	-- -- --	-- 1.3 --
219	350824109200001	08-19-75	--	--	15.0	--	--	--	1028	--	--	--
220	351258109200101	09-15-55	--	--	--	--	--	--	1028	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	ALKA- LINITY, CARBON- ATE FET-FLD (MG/L CACO3) (00430)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)
202	350641109170401	03-10-87	320	--	9.2	--	9.1	--	--	--	--	--
203	352432109170801	04-27-54	--	--	--	--	--	--	278	--	--	340
204	352433109172401	09-29-54 9-30-54 10-01-54	870 825 739	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	350 328 272	-- -- --	-- -- --	430 400 330
205	351503109175101	09-15-55	576	--	7.1	--	--	33	213	--	--	260
206	351638109180801	01-11-88	--	--	7.2	975	--	--	--	--	--	--
207	351420109181401	11-18-75	820	--	--	--	--	--	258	--	--	320
208	351843109182401	06-21-49	569	--	--	--	--	--	214	--	--	260
209	350544109184301	08-20-75	280	--	7.7	--	--	5.3	136	--	--	170
210	351638109190901	01-11-88	--	--	7.4	700	--	--	--	--	--	--
211	351425109192001	12-07-72	1120	--	7.9	--	--	2.4	98	--	--	120
212	351259109192601	05-20-76 8-17-82	980 --	-- --	-- --	-- --	-- --	-- --	214 261	-- --	-- --	-- --
213	351241109193101	12-04-86	860	.4	7.4	--	7.7	--	261	244	--	--
214	351254109194501	06-01-69 3-27-74 12-04-86 12-04-86 12-04-86 1-13-88 8-04-88 8-10-88 8-10-88 8-10-88 8-10-88 8-10-88	909 909 1100 1100 1100 -- -- -- -- -- 1140 --	-- -- .5 .5 .5 -- -- -- -- -- -- --	-- 7.7 7.6 7.6 7.6 7.2 7.6 -- -- -- 7.4 --	-- -- -- -- -- 1050 1080 -- -- -- -- --	-- -- 7.7 7.7 7.7 -- -- -- -- -- 7.8 --	-- 6.2 -- -- -- -- -- -- -- -- -- --	167 159 236 236 236 -- -- -- -- -- 221 --	-- -- 222 224 223 -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- --	200 190 -- -- -- -- -- -- -- -- -- --
215	351147109194901	08-22-75	1150	--	7.4	--	--	23	294	--	--	360
216	351230109194901	01-12-88 8-03-88	-- --	-- .4	7.2 7.5	950 973	-- --	-- --	-- --	-- --	-- 240	-- --
217	351229109195101	11-20-75	910	--	--	--	--	--	243	--	--	300
218	351302109195901	02-28-80 12-04-86 8-31-87	-- 1530 --	-- 4.8 --	-- 7.3 6.9	-- -- 1380	-- 7.5 --	-- -- --	-- 311 --	-- 307 --	-- -- --	-- -- --
219	350824109200001	08-19-75	300	--	7.3	--	--	13	132	--	--	160
220	351258109200101	09-15-55	1360	--	7.0	--	--	57	292	--	--	360

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (D0625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CACO3) (0D900)	HARD- NESS NONCARB TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)
202	350641109170401	03-10-87	--	--	1.80	--	--	--	--	8	--	--
203	352432109170801	04-27-54	--	--	--	--	--	--	--	340	58	--
204	352433109172401	09-29-54	--	--	--	--	--	--	--	330	--	--
		9-30-54	--	--	--	--	--	--	--	320	--	--
		10-01-54	--	--	--	--	--	--	--	320	52	--
205	351503109175101	09-15-55	--	--	--	--	--	--	--	260	48	--
206	351638109180801	01-11-88	--	--	--	--	--	--	--	600	--	180
207	351420109181401	11-18-75	--	--	.080	.03	--	--	.010	390	130	--
208	351843109182401	06-21-49	--	--	--	--	--	--	--	240	30	--
209	350544109184301	08-20-75	--	--	.100	--	--	--	<.010	110	--	--
210	351638109190901	01-11-88	--	--	--	--	--	--	--	140	--	42
211	351425109192001	12-07-72	--	--	--	--	--	--	--	680	580	--
212	351259109192601	05-20-76	--	--	--	--	--	--	--	260	--	--
		8-17-82	--	--	--	--	--	--	--	280	--	--
213	351241109193101	12-04-86	--	--	--	--	--	--	--	290	--	--
214	351254109194501	06-01-69	--	--	--	--	--	--	--	240	77	--
		3-27-74	--	--	--	--	--	--	--	250	110	--
		12-04-86	--	--	--	--	--	--	--	290	--	--
		12-04-86	--	--	--	--	--	--	--	300	--	--
		12-04-86	--	--	--	--	--	--	--	290	--	--
		1-13-88	--	--	--	--	--	--	--	320	--	110
		8-04-88	--	--	--	--	--	--	--	310	--	100
		8-10-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	.30	2.00	1.90	--	.020	.020	<.010	320	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
215	351147109194901	08-22-75	--	--	3.00	--	--	--	<.010	110	--	--
216	351230109194901	01-12-88	--	--	--	--	--	--	--	340	--	110
		8-03-88	--	--	--	--	--	--	--	310	--	100
217	351229109195101	11-20-75	--	--	.200	.03	--	--	.010	270	31	--
218	351302109195901	02-28-80	--	--	--	--	--	--	--	--	--	--
		12-04-86	--	--	--	--	--	--	--	740	--	--
		8-31-87	--	--	--	--	--	--	--	--	--	210
219	350824109200001	08-19-75	--	--	1.00	--	--	--	<.010	120	--	--
220	351258109200101	09-15-55	--	--	--	--	--	--	--	620	330	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL, RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- SIUM, TOTAL, RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
202	350641109170401	03-10-87	2.8	.25	--	72	11	94	--	1.9	--	2.0
203	352432109170801	04-27-54	--	--	--	--	.6	14	25	--	--	42
204	352433109172401	09-29-54 9-30-54 10-01-54	92 90 100	25 24 18	-- -- --	-- -- --	2 -- .8	30 -- 19	66 -- 34	-- -- --	-- -- --	59 58 57
205	351503109175101	09-15-55	71	20	--	--	.6	16	23	--	--	28
206	351638109180801	01-11-88	180	37	40	8.8	.2	3	--	2.2	2.2	17
207	351420109181401	11-18-75	120	22	--	38	.8	17	--	4.1	--	39
208	351843109182401	06-21-49	78	12	--	--	.6	17	23	--	--	27
209	350544109184301	08-20-75	31	7.4	--	21	.9	29	--	3.2	--	8.2
210	351638109190901	01-11-88	41	8.8	8.9	130	5	67	--	1.7	2.0	52
211	351425109192001	12-07-72	210	38	--	4.6	.1	1	--	.80	--	20
212	351259109192601	05-20-76 8-17-82	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	49 49
213	351241109193101	12-04-86	75	24	--	63	2	32	--	6.0	--	36
214	351254109194501	06-01-69 3-27-74 12-04-86 12-04-86 12-04-86 1-13-88 8-04-88 8-10-88 8-10-88 8-10-88 8-10-88 8-10-88	78 81 90 92 91 100 97 -- -- -- 99 --	12 11 16 16 16 17 17 -- -- -- 17 --	-- -- -- -- -- 19 19 -- -- -- -- --	130 77 140 140 140 160 130 -- -- -- 140 --	4 2 4 4 4 4 3 -- -- -- 3 --	-- -- 51 51 51 51 48 -- -- -- 49 --	-- -- -- -- -- 2.0 2.0 -- -- -- 2.0 2.9 -- -- 1.9 --	-- -- -- -- -- 2.2 2.8 -- -- -- 2.2 2.8 -- -- -- --	44 48 52 51 51 62 57 -- -- -- 55 --	
215	351147109194901	08-22-75	32	6.1	--	220	9	80	--	9.3	--	110
216	351230109194901	01-12-88 8-03-88	110 100	16 16	17 16	120 110	3 3	44 42	-- --	2.7 2.8	2.7 2.8	54 50
217	351229109195101	11-20-75	85	15	--	100	3	44	--	2.7	--	39
218	351302109195901	02-28-80 12-04-86 8-31-87	-- 210 --	-- 53 --	-- -- 51	-- 43 50	-- .7 --	-- 11 --	-- -- --	-- 7.9 --	-- -- 7.5	-- 61 65
219	350824109200001	08-19-75	42	4.8	--	14	.5	19	--	3.1	--	8.9
220	351258109200101	09-15-55	140	68	--	--	2	25	84	--	--	36

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SiO ₂) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)
202	350641109170401	03-10-87	11	2.1	--	39	23	--	13	--	<.5	--
203	352432109170801	04-27-54	44	.80	--	20	--	--	--	--	--	--
204	352433109172401	09-29-54	38	1.4	--	16	--	--	--	--	--	--
		9-30-54	--	1.4	--	--	--	--	--	--	--	--
		10-01-54	38	1.4	--	10	--	--	--	--	--	--
205	351503109175101	09-15-55	44	1.4	--	11	--	--	--	--	--	--
206	351638109180801	01-11-88	460	.15	.2	--	7	8	--	--	--	--
207	351420109181401	11-18-75	140	.30	--	12	--	--	--	--	--	--
208	351843109182401	06-21-49	28	--	--	--	--	--	--	--	--	--
209	350544109184301	08-20-75	11	.70	--	26	--	--	--	--	--	--
210	351638109190901	01-11-88	45	.43	.4	--	2	2	--	--	--	--
211	351425109192001	12-07-72	520	--	--	--	--	--	--	--	--	--
212	351259109192601	05-20-76	250	--	--	--	--	<10	--	--	--	--
		8-17-82	180	--	--	--	--	<20	--	<500	--	--
213	351241109193101	12-04-86	140	.50	--	11	--	1	--	<100	--	--
214	351254109194501	06-01-69	230	.70	--	--	--	--	--	--	--	--
		3-27-74	270	.76	--	--	--	--	--	--	--	--
		12-04-86	290	.80	--	15	--	1	--	<100	--	--
		12-04-86	290	.80	--	15	--	1	--	<100	--	--
		12-04-86	290	.80	--	15	--	1	--	<100	--	--
		1-13-88	310	.69	.7	--	2	2	--	--	--	--
		8-04-88	300	.72	.7	--	9	12	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	310	.60	--	15	1	1	37	100	--	<10
		8-10-88	--	--	--	--	--	--	--	--	--	--
215	351147109194901	08-22-75	110	1.5	--	13	--	--	--	--	--	--
216	351230109194901	01-12-88	280	.51	.5	--	3	2	--	--	--	--
		8-03-88	270	.51	.5	--	1	<1	--	--	--	--
217	351229109195101	11-20-75	170	.50	--	15	--	--	--	--	--	--
218	351302109195901	02-28-80	--	--	--	--	--	--	--	--	--	--
		12-04-86	480	1.0	--	7.4	--	<1	--	<100	--	--
		8-31-87	490	--	.8	--	--	14	--	--	--	--
219	350824109200001	08-19-75	6.2	.40	--	30	--	--	--	--	--	--
220	351258109200101	09-15-55	460	.70	--	13	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM NATURAL TOTAL (PCI/L AS U) (28012)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO ₃) (71850)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO ₃) (71851)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
202	350641109170401	03-10-87	--	--	--	229	.31	--	--	--	--
203	352432109170801	04-27-54	--	--	--	--	--	--	5.7	--	--
204	352433109172401	09-29-54	--	--	--	508	.69	--	.30	--	--
		9-30-54	--	--	--	--	--	--	--	--	--
		10-01-54	--	--	--	425	.58	--	3.8	--	--
205	351503109175101	09-15-55	--	--	--	335	.46	--	9.8	--	--
206	351638109180801	01-11-88	1.5	4	844	777	1.15	--	--	--	--
207	351420109181401	11-18-75	--	--	549	531	.75	--	--	--	--
208	351843109182401	06-21-49	--	--	--	312	.42	--	15	--	--
209	350544109184301	08-20-75	--	--	213	191	.29	--	--	--	--
210	351638109190901	01-11-88	1.8	4	486	440	.66	--	--	--	--
211	351425109192001	12-07-72	--	--	--	852	1.16	--	8.7	--	--
212	351259109192601	05-20-76	--	--	663	--	--	--	--	--	<.50
		8-17-82	--	--	--	--	--	--	--	--	<1.0
213	351241109193101	12-04-86	--	--	431	512	.59	--	--	--	--
214	351254109194501	06-01-69	--	--	--	565	--	--	--	8.0	--
		3-27-74	--	--	--	565	--	--	--	4.0	--
		12-04-86	--	--	661	747	.90	--	--	--	--
		12-04-86	--	--	692	748	.94	--	--	--	--
		12-04-86	--	--	654	747	.89	--	--	--	--
		1-13-88	7.6	4	791	769	1.08	--	--	--	--
		8-04-88	12	4	785	720	1.07	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	775	781	1.05	<.010	--	--	<.10
		8-10-88	--	--	--	--	--	--	--	--	--
215	351147109194901	08-22-75	--	--	696	692	.95	--	--	--	--
216	351230109194901	01-12-88	2.8	4	713	693	.97	--	--	--	--
		8-03-88	3.6	4	740	651	1.01	--	--	--	--
217	351229109195101	11-20-75	--	--	589	574	.80	--	--	--	--
218	351302109195901	02-28-80	14	--	--	--	--	--	--	--	--
		12-04-86	--	--	1040	1050	1.41	--	--	--	--
		8-31-87	7.8	4	1110	--	--	--	--	--	--
219	350824109200001	08-19-75	--	--	190	193	.26	--	--	--	--
220	351258109200101	09-15-55	--	--	--	986	1.34	--	--	.60	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ELEV. OF LAND SURFACE DATUM (FT ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	URANIUM DIS- SOLVED, EXTRAC- TION (PCI/L) (80015)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)
202	350641109170401	03-10-87	6190	10080	520.00	204.00	--	--	--	--	--
203	352432109170801	04-27-54	7005	--	362.00	--	--	--	--	--	--
204	352433109172401	09-29-54 9-30-54 10-01-54	7016 7016 7016	-- -- --	404.00 404.00 404.00	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
205	351503109175101	09-15-55	5960	--	130.00	--	--	--	--	--	--
206	351638109180801	01-11-88	6189	--	429.00	--	3.0	4.5	--	--	--
207	351420109181401	11-18-75	5940	--	272.00	--	--	--	--	--	--
208	351843109182401	06-21-49	6456	--	120.00	--	--	--	--	--	--
209	350544109184301	08-20-75	6050	--	145.00	--	--	--	--	--	--
210	351638109190901	01-11-88	6035	--	95.00	--	.20	.30	--	--	--
211	351425109192001	12-07-72	6080	--	429.00	--	--	--	--	--	--
212	351259109192601	05-20-76 8-17-82	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
213	351241109193101	12-04-86	5842	--	111.00	36.52	--	--	--	--	--
214	351254109194501	06-01-69 3-27-74 12-04-86 12-04-86 12-04-86 1-13-88 8-04-88 8-10-88 8-10-88 8-10-88 8-10-88 8-10-88 8-10-88	5820 5820 5820 5820 5820 5820 5820 5820 5820 5820 5820 5820 5820	-- -- -- -- -- -- -- -- -- -- -- -- -- --	160.00 160.00 160.00 160.00 160.00 160.00 160.00 160.00 160.00 160.00 160.00 160.00 160.00	-- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- 7.2 11 -- -- -- -- -- -- --	-- -- -- -- -- -- 11 16 -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- 21 18 -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- -- -- -- --
215	351147109194901	08-22-75	5810	--	135.00	--	--	--	--	--	--
216	351230109194901	01-12-88 8-03-88	5818 5818	-- --	-- --	-- --	2.3 2.2	3.4 3.3	-- --	-- --	-- --
217	351229109195101	11-20-75	5825	--	256.00	--	--	--	--	--	--
218	351302109195901	02-28-80 12-04-86 8-31-87	5870 5870 5870	-- -- --	145.00 145.00 145.00	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
219	350824109200001	08-19-75	6131	--	204.00	--	--	--	--	--	--
220	351258109200101	09-15-55	5860	--	130.00	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE (G/M) (00058)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)
221	351228109200501	08-04-88	--	--	27.0	--	910	910	2.4	--	--	.6
222	350129109200801	10-30-56	--	--	--	--	--	1028	--	--	309	--
223	351253109201401	11-18-75	--	--	--	--	--	1028	--	--	1000	--
224	351224109202401	12-02-86	1625	13.0	10.0	617	--	1028	--	.20	1060	1.0
225	351228109202401	01-12-88 1-13-88	-- --	-- --	12.0 --	-- --	910 910	910 910	-- --	-- --	-- --	-- --
226	352252109210401	06-24-52	--	14.5	--	--	--	1028	--	--	328	--
227	351935109211101	06-11-53	--	16.5	--	--	--	1028	--	--	2980	--
228	351230109211801	08-09-88	--	--	--	--	910	910	--	--	--	--
229	345650109212001	08-13-75	--	--	--	--	--	1028	--	--	500	--
230	351536109214801	05-11-55	--	--	--	--	--	1028	--	--	2470	--
231	351400109220001	01-10-88 8-08-88	-- --	-- --	21.0 35.0	-- --	910 910	910 910	-- 2.0	-- --	-- --	-- 1.1
232	350412109220801	08-25-87	--	--	25.5	--	910	910	--	--	--	--
233	351153109223501	08-02-88	--	--	22.0	--	910	910	2.0	--	--	4.1
234	351212109224201	03-28-56	--	--	--	--	--	1028	--	--	2340	--
235	350527109224501	08-26-87	--	--	25.0	--	910	910	--	--	--	--
236	352124109231901	01-10-88	--	--	22.0	--	910	910	--	--	--	--
237	351204109232503	11-19-75	--	--	--	--	--	1028	--	--	1100	--
238	350516109234201	08-25-87	--	--	23.0	--	910	910	--	--	--	--
239	351152109241601	12-01-86	1530	14.5	--	--	--	1028	--	1.4	1700	--
240	351157109241701	12-04-86	1730	15.0	--	620	--	1028	--	6.1	2100	.5
241	351827109243101	02-20-53	--	--	--	--	--	1028	--	--	314	--
242	350657109244101	11-18-75	--	17.5	--	--	--	1028	--	--	280	--
243	351200109251201	11-21-75	--	--	--	--	--	1028	--	--	2500	--
244	344950109253001	08-13-75	--	--	--	--	--	1028	--	--	650	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	BICAR-	CAR-	BICAR-	NITRO-	NITRO-	NITRO-	NITRO-	PHOS-	PHOS-	HARD- NESS TOTAL (MG/L AS CaCO ₃) (00900)
			BONATE WATER WH IT FIELD MG/L AS HCO ₃ (00450)	BONATE WATER DIS IT FIELD MG/L AS CO ₃ (00452)	BONATE WATER DIS IT FIELD MG/L AS HCO ₃ (00453)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE TOTAL (MG/L AS N) (00620)	GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N) (00631)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO ₄) (00660)	PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	
221	351228109200501	08-04-88	220	<1	220	1.70	--	1.70	--	--	--	280
222	350129109200801	10-30-56	--	--	--	--	--	--	--	--	--	65
223	351253109201401	11-18-75	--	--	--	--	--	--	.460	.03	.010	460
224	351224109202401	12-02-86	--	--	--	--	--	--	--	--	--	280
225	351228109202401	01-12-88 1-13-88	215 --	<1 --	215 --	1.90 --	-- --	1.90 --	-- --	-- --	-- --	310 --
226	352252109210401	06-24-52	--	--	--	--	--	--	--	--	--	150
227	351935109211101	06-11-53	--	--	--	--	--	--	--	--	--	2000
228	351230109211801	08-09-88	--	--	--	--	--	--	--	--	--	--
229	345650109212001	08-13-75	--	--	--	--	--	--	.040	.03	.010	7
230	351536109214801	05-11-55	--	--	--	--	--	--	--	--	--	1800
231	351400109220001	01-10-88 8-08-88	255 253	<1 <1	255 253	<.100 <.100	-- --	.100 .100	-- --	-- --	-- --	370 370
232	350412109220801	08-25-87	221	--	--	--	--	.100	--	--	--	--
233	351153109223501	08-02-88	552	<1	552	--	--	.100	--	--	--	410
234	351212109224201	03-28-56	--	--	--	--	.090	--	--	--	--	14
235	350527109224501	08-26-87	160	--	--	--	--	.200	--	--	--	--
236	352124109231901	01-10-88	274	<1	274	.400	--	.400	--	--	--	240
237	351204109232503	11-19-75	--	--	--	--	--	--	.930	--	.010	380
238	350516109234201	08-25-87	297	--	--	--	--	.100	--	--	--	--
239	351152109241601	12-01-86	--	--	--	--	--	--	--	--	--	460
240	351157109241701	12-04-86	--	--	--	--	--	--	--	--	--	720
241	351827109243101	02-20-53	--	--	--	--	--	--	--	--	--	140
242	350657109244101	11-18-75	--	--	--	--	--	--	.620	--	<.010	71
243	351200109251201	11-21-75	--	--	--	--	--	--	.250	--	<.010	380
244	344950109253001	08-13-75	--	--	--	--	--	--	1.00	.12	.040	16

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
221	351228109200501	08-04-88	--	95	87	15	17	120	3	48	--	3.2
222	350129109200801	10-30-56	--	--	--	--	--	--	--	--	--	--
223	351253109201401	11-18-75	170	--	110	46	--	52	1	19	--	8.2
224	351224109202401	12-02-86	--	--	88	15	--	120	3	48	--	2.9
225	351228109202401	01-12-88 1-13-88	-- --	100 --	98 --	16 --	17 --	140 --	4 --	50 --	-- --	2.8 --
226	352252109210401	06-24-52	8	--	40	13	--	--	.3	11	8.7	--
227	351935109211101	06-11-53	1900	--	580	130	--	--	.8	9	86	--
228	351230109211801	08-09-88	--	--	--	--	--	--	--	--	--	--
229	345650109212001	08-13-75	--	--	2.8	<.10	--	110	18	97	--	.70
230	351536109214801	05-11-55	1600	--	460	150	--	--	.1	1	6.7	--
231	351400109220001	01-10-88 8-08-88	-- --	110 120	110 110	23 23	40 24	34 31	.8 .7	17 15	-- --	3.6 4.6
232	350412109220801	08-25-87	--	52	--	--	10	29	--	--	--	--
233	351153109223501	08-02-88	--	120	120	26	26	130	3	41	--	6.0
234	351212109224201	03-28-56	--	--	4.0	1.0	--	--	72	99	620	--
235	350527109224501	08-26-87	--	50	--	--	5.2	14	--	--	--	--
236	352124109231901	01-10-88	--	68	68	16	16	57	2	34	--	.38
237	351204109232503	11-19-75	--	--	110	25	--	140	3	44	--	5.3
238	350516109234201	08-25-87	--	37	--	--	5.7	110	--	--	--	--
239	351152109241601	12-01-86	--	--	130	32	--	200	4	49	--	2.5
240	351157109241701	12-04-86	--	--	190	59	--	220	4	40	--	1.8
241	351827109243101	02-20-53	28	--	46	6.0	--	--	.3	12	8.7	--
242	350657109244101	11-18-75	--	--	24	2.6	--	34	2	50	--	3.1
243	351200109251201	11-21-75	--	--	92	36	--	500	11	73	--	20
244	344950109253001	08-13-75	--	--	6.1	.30	--	130	14	94	--	1.4

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	POTAS-	CHLO-	SULFATE	FLUO-	FLUO-	SILICA,	ARSENIC	ARSENIC	BARIUM,
			TOTAL RECOV- ERABLE (MG/L AS K) (00937)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	RIDE, TOTAL (MG/L AS F) (00951)	DIS- SOLVED (MG/L AS SI02) (00955)	DIS- SOLVED (UG/L AS AS) (01000)	TOTAL (UG/L AS AS) (01002)	TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
221	351228109200501	08-04-88	3.3	50	260	.51	.5	--	8	10	--
222	350129109200801	10-30-56	--	6.0	--	--	--	--	--	--	--
223	351253109201401	11-18-75	--	33	250	.60	--	9.0	--	--	--
224	351224109202401	12-02-86	--	50	280	.50	--	13	--	1	<100
225	351228109202401	01-12-88 1-13-88	3.2 --	55 --	270 --	.49 --	.5 --	-- --	3 --	3 --	-- --
226	352252109210401	06-24-52	--	10	7.6	.30	--	26	--	--	--
227	351935109211101	06-11-53	--	56	1900	.90	--	13	--	--	--
228	351230109211801	08-09-88	--	--	--	--	--	--	--	--	--
229	345650109212001	08-13-75	--	22	35	.50	--	15	--	--	--
230	351536109214801	05-11-55	--	18	1600	.50	--	15	--	--	--
231	351400109220001	01-10-88 8-08-88	3.9 4.4	44 46	150 140	.23 .23	.2 .2	-- --	11 14	13 14	-- --
232	350412109220801	08-25-87	2.0	12	2.0	--	.3	--	--	19	--
233	351153109223501	08-02-88	6.5	40	110	.34	.3	--	1	3	--
234	351212109224201	03-28-56	--	38	170	10	--	12	--	--	--
235	350527109224501	08-26-87	2.1	3.5	8.0	--	.2	--	--	5	--
236	352124109231901	01-10-88	.5	22	71	.22	.3	--	<1	<1	--
237	351204109232503	11-19-75	--	34	150	.40	--	19	--	--	--
238	350516109234201	08-25-87	2.2	27	6.0	--	.4	--	--	17	--
239	351152109241601	12-01-86	--	88	480	.50	--	15	--	1	<100
240	351157109241701	12-04-86	--	140	760	.60	--	15	--	2	<100
241	351827109243101	02-20-53	--	17	14	.40	--	23	--	--	--
242	350657109244101	11-18-75	--	3.3	8.4	.30	--	20	--	--	--
243	351200109251201	11-21-75	--	64	640	.40	--	20	--	--	--
244	344950109253001	08-13-75	--	88	14	.30	--	32	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)	NITRO- GEN, DIS- SOLVED (MG/L AS NO3) (71851)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)
221	351228109200501	08-04-88	4	732	646	1.0	--	--	5818	--	--
222	350129109200801	10-30-56	--	--	--	--	--	--	6090	1198.00	--
223	351253109201401	11-18-75	--	732	689	1.0	--	--	5855	230.00	--
224	351224109202401	12-02-86	--	669	699	.91	--	--	5825	175.00	--
225	351228109202401	01-12-88 1-13-88	4 --	735 --	696 --	1.0 --	-- --	-- --	5830 5830	175.00 175.00	-- --
226	352252109210401	06-24-52	--	--	198	.27	5.3	--	6704	524.00	--
227	351935109211101	06-11-53	--	--	2830	3.85	.80	--	6420	567.00	--
228	351230109211801	08-09-88	--	--	--	--	--	--	5835	199.00	--
229	345650109212001	08-13-75	--	308	296	.42	--	--	6482	617.00	--
230	351536109214801	05-11-55	--	--	2270	3.09	.20	--	6230	748.00	--
231	351400109220001	01-10-88 8-08-88	4 4	541 578	491 483	.74 .79	-- --	-- --	6145 6145	-- --	-- --
232	350412109220801	08-25-87	4	222	--	--	--	--	5920	--	--
233	351153109223501	08-02-88	4	782	703	1.06	--	--	5783	100.00	--
234	351212109224201	03-28-56	--	--	1520	2.07	--	.40	5790	340.00	--
235	350527109224501	08-26-87	4	192	--	--	--	--	5880	103.00	--
236	352124109231901	01-10-88	4	407	371	.55	--	--	6190	--	--
237	351204109232503	11-19-75	--	774	723	1.05	--	--	5775	180.00	--
238	350516109234201	08-25-87	4	355	--	--	--	--	5844	3.00	--
239	351152109241601	12-01-86	--	1090	1160	1.48	--	--	5750	--	23.00
240	351157109241701	12-04-86	--	1470	1540	2.00	--	--	5750	68.50	6.94
241	351827109243101	02-20-53	--	--	192	.26	9.6	--	6218	323.00	--
242	350657109244101	11-18-75	--	167	181	.23	--	--	5813	204.00	--
243	351200109251201	11-21-75	--	1860	1780	2.53	--	--	5765	80.00	--
244	344950109253001	08-13-75	--	418	426	.57	--	--	6102	170.00	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE (G/M) (00058)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)
245	350717109253301	11-18-75	--	15.5	--	--	--	1028	--	--	300	--
246	351119109255301	11-19-75 12-01-86 8-09-88	-- 1315 --	-- 14.5 --	-- -- 25.0	-- -- --	-- -- 910	1028 1028 910	-- -- 2.7	-- -- .20	1100 1300 --	-- -- .3
247	350547109260101	08-21-75	0915	19.0	--	--	--	1028	--	--	330	--
248	351149109260801	11-18-75	--	--	--	--	--	1028	--	--	1280	--
249	351149109260802	11-18-75	--	--	--	--	--	1028	--	--	1250	--
250	351118109261001	11-19-75	--	--	--	--	--	1028	--	--	1160	--
251	351119109263901	03-29-56 11-18-75	-- --	-- --	-- --	-- --	-- --	1028 1028	-- --	-- --	1250 1110	-- --
252	351047109265001	12-03-86 8-09-88 8-10-88	1730 -- 1710	14.0 -- --	-- -- --	619 -- --	-- 910 1028	1028 910 1028	-- .5 --	.20 -- --	1060 -- --	.6 -- --
253	351044109270501	08-11-88	1400	--	--	--	--	1028	--	6.0	--	--
254	351044109270502	08-11-88	1630	--	--	--	--	1028	--	--	--	--
255	350625109270601	11-18-75	--	--	--	--	--	1028	--	--	800	--
256	351045109270601	08-11-88	1800	--	--	--	1028	1028	--	--	--	--
257	350622109270901	08-25-87	--	--	23.0	--	910	910	--	--	--	--
258	350740109274501	08-27-87	--	--	22.0	--	910	910	--	--	--	--
259	345130109283001	08-13-75	--	20.0	--	--	--	1028	--	--	320	--
260	350842109284301	08-20-75	--	17.0	--	--	--	1028	--	--	1220	--
261	350959109290501	06-18-75	--	16.0	--	--	--	1028	--	--	920	--
262	351000109291501	08-31-87	--	--	32.0	--	910	910	--	--	--	--
263	350925109292501	08-31-87	--	--	27.0	--	910	910	--	--	--	--
264	350605109293801	08-21-75 11-19-75	-- --	25.0 25.0	-- --	-- --	-- --	1028 1028	-- --	-- --	780 780	-- --
265	350600109294501	08-24-87	--	--	26.0	--	910	910	--	--	--	--
266	345610109301001	08-13-75	--	--	--	--	--	1028	--	--	260	--
267	345700109302001	08-19-75	--	17.0	--	--	--	1028	--	--	510	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	PH (STAND- ARD UNITS) (D0400)	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH		ALKA- LINITY WAT WH		ALKA- LINITY, CARBON- ATE FET-FLD (MG/L CACO3) (00430)		BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)		CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)		CAR- BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	
							TOT FET FIELD MG/L AS CACO3 (00410)	TOT FET LAB MG/L AS CACO3 (00417)	TOT FET FIELD MG/L AS CACO3 (00430)	TOT FET LAB MG/L AS CACO3 (00430)	WH FET FIELD MG/L AS HCO3 (00440)	WH FET FIELD MG/L AS HCO3 (00440)	WH FET FIELD MG/L AS CO3 (00445)	WH FET FIELD MG/L AS CO3 (00445)	WH IT FIELD MG/L AS CO3 (00447)	WH IT FIELD MG/L AS CO3 (00447)		
245	350717109253301	11-18-75	--	--	--	--	155	--	--	--	190	--	--					
246	351119109255301	11-19-75 12-01-86 8-09-88	-- 7.5 7.5	-- -- 1230	-- 7.7 --	-- -- --	276 265 --	-- 259 --	-- -- 310	-- -- --	340 -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- <1
247	350547109260101	08-21-75	8.3	--	--	1.4	140	--	--	--	160	4	--					
248	351149109260801	11-18-75	--	--	--	--	828	--	--	--	1010	--	--					
249	351149109260802	11-18-75	--	--	--	--	763	--	--	--	930	--	--					
250	351118109261001	11-19-75	--	--	--	--	697	--	--	--	850	--	--					
251	351119109263901	03-29-56 11-18-75	7.8 --	-- --	-- --	14 --	464 413	-- --	-- --	-- --	570 500	-- --	-- --	-- --	-- --	-- --	-- --	-- --
252	351047109265001	12-03-86 8-09-88 8-10-88	7.8 -- --	-- -- --	7.8 -- --	-- -- --	218 -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
253	351044109270501	08-11-88	--	--	7.6	--	--	--	--	--	--	--	--					
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--	--	--	--					
255	350625109270601	11-18-75	--	--	--	--	264	--	--	--	320	--	--					
256	351045109270601	08-11-88	--	--	--	--	--	--	--	--	--	--	--					
257	350622109270901	08-25-87	7.1	1230	--	--	--	--	--	--	--	--	--					
258	350740109274501	08-27-87	8.8	300	--	--	--	--	--	--	--	--	--					
259	345130109283001	08-13-75	8.3	--	--	1.5	152	--	--	--	180	--	--					
260	350842109284301	08-20-75	7.2	--	--	49	398	--	--	--	490	--	--					
261	350959109290501	06-18-75	--	--	--	--	351	--	--	--	430	--	--					
262	351000109291501	08-31-87	7.5	975	--	--	--	--	--	--	--	--	--					
263	350925109292501	08-31-87	7.6	1800	--	--	--	--	--	--	--	--	--					
264	350605109293801	08-21-75 11-19-75	8.5 --	-- --	-- --	2.4 --	392 306	-- --	-- --	-- --	400 370	39	--	--	--	--	--	--
265	350600109294501	08-24-87	9.4	750	--	--	--	--	--	--	--	--	--					
266	345610109301001	08-13-75	7.8	--	--	3.5	113	--	--	--	140	--	--					
267	345700109302001	08-19-75	8.1	--	--	2.3	147	--	--	--	180	--	--					

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)
245	350717109253301	11-18-75	--	.800	--	--	--	--	<.010	--	--	9
246	351119109255301	11-19-75	--	1.70	--	.49	--	--	.160	--	--	280
		12-01-86	--	--	--	--	--	--	--	--	--	340
		8-09-88	--	--	--	--	--	--	--	--	--	310
247	350547109260101	08-21-75	--	.150	--	.03	--	--	.010	--	--	9
248	351149109260801	11-18-75	--	.320	--	.25	--	--	.080	--	--	13
249	351149109260802	11-18-75	--	.170	--	--	--	--	<.010	--	--	20
250	351118109261001	11-19-75	--	.090	--	--	--	--	<.010	--	--	340
251	351119109263901	03-29-56	--	--	--	--	--	--	--	--	--	240
		11-18-75	--	.080	--	.03	--	--	.010	--	--	240
252	351047109265001	12-03-86	--	--	--	--	--	--	--	--	--	160
		8-09-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
253	351044109270501	08-11-88	<.100	<.100	.06	.09	.040	.040	.030	6.4	5.4	240
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--	--	--
255	350625109270601	11-18-75	--	.220	--	--	--	--	<.010	--	--	160
256	351045109270601	08-11-88	--	--	--	--	--	--	--	--	--	--
257	350622109270901	08-25-87	--	--	--	--	--	--	--	--	--	--
258	350740109274501	08-27-87	--	--	--	--	--	--	--	--	--	--
259	345130109283001	08-13-75	--	1.40	--	.03	--	--	.010	--	--	25
260	350842109284301	08-20-75	--	.100	--	.03	--	--	.010	--	--	120
261	350959109290501	06-18-75	--	1.20	--	.64	--	--	.210	--	--	260
262	351000109291501	08-31-87	--	--	--	--	--	--	--	--	--	--
263	350925109292501	08-31-87	--	--	--	--	--	--	--	--	--	--
264	350605109293801	08-21-75	--	.30	--	.09	--	--	.030	--	--	8
		11-19-75	--	.060	--	.03	--	--	.010	--	--	5
265	350600109294501	08-24-87	--	--	--	--	--	--	--	--	--	--
266	345610109301001	08-13-75	--	.700	--	.03	--	--	.010	--	--	82
267	345700109302001	08-19-75	--	8.90	--	--	--	--	<.010	--	--	24

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM PERCENT (00932)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
245	350717109253301	11-18-75	--	--	2.8	.40	--	73	11	94	--	1.0
246	351119109255301	11-19-75	3	--	84	17	--	170	4	57	--	2.7
		12-01-86	--	--	100	21	--	160	4	51	--	2.6
		8-09-88	--	97	92	20	20	160	4	52	--	3.1
247	350547109260101	08-21-75	--	--	3.2	.30	--	67	10	93	--	1.2
248	351149109260801	11-18-75	--	--	4.2	.60	--	440	53	98	--	3.8
249	351149109260802	11-18-75	--	--	6.0	1.3	--	430	41	97	--	6.4
250	351118109261001	11-19-75	--	--	100	21	--	200	5	56	--	4.7
251	351119109263901	03-29-56	--	--	64	19	--	--	6	66	210	--
		11-18-75	--	--	69	16	--	210	6	65	--	3.6
252	351047109265001	12-03-86	--	--	47	11	--	180	6	69	--	7.6
		8-09-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
253	351044109270501	08-11-88	--	--	71	15	--	150	4	57	--	3.9
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--	--	--
255	350625109270601	11-18-75	--	--	49	8.1	--	140	5	66	--	1.2
256	351045109270601	08-11-88	--	--	--	--	--	--	--	--	--	--
257	350622109270901	08-25-87	--	91	--	--	14	190	--	--	--	--
258	350740109274501	08-27-87	--	3.4	--	--	.43	74	--	--	--	--
259	345130109283001	08-13-75	--	--	7.9	1.4	--	68	6	85	--	.90
260	350842109284301	08-20-75	--	--	36	8.1	--	240	9	80	--	5.0
261	350959109290501	06-18-75	--	--	69	21	--	180	5	60	--	2.6
262	351000109291501	08-31-87	--	69	--	--	21	130	--	--	--	--
263	350925109292501	08-31-87	--	52	--	--	18	360	--	--	--	--
264	350605109293801	08-21-75	--	--	2.6	.30	--	210	33	98	--	1.4
		11-19-75	--	--	1.3	.50	--	160	30	98	--	.90
265	350600109294501	08-24-87	--	.9	--	--	.01	180	--	--	--	--
266	345610109301001	08-13-75	--	--	23	6.0	--	29	1	42	--	3.2
267	345700109302001	08-19-75	--	--	7.0	1.7	--	100	9	89	--	1.0

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SiO2) (D0955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (D1002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
245	350717109253301	11-18-75	--	3.1	10	.70	--	19	--	--	--	--
246	351119109255301	11-19-75	--	44	270	.70	--	13	--	--	--	--
		12-01-86	--	61	340	.80	--	14	--	1	--	<100
		8-09-88	3.0	61	340	.65	.7	--	11	17	--	--
247	350547109260101	08-21-75	--	5.5	13	1.9	--	7.8	--	--	--	--
248	351149109260801	11-18-75	--	47	88	2.3	--	9.9	--	--	--	--
249	351149109260802	11-18-75	--	45	61	2.3	--	11	--	--	--	--
250	351118109261001	11-19-75	--	38	3.4	.40	--	20	--	--	--	--
251	351119109263901	03-29-56	--	45	160	1.0	--	19	--	--	--	--
		11-18-75	--	36	220	.70	--	16	--	--	--	--
252	351047109265001	12-03-86	--	43	270	.70	--	12	--	1	--	<100
		8-09-88	--	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--	--
253	351044109270501	08-11-88	--	61	280	.60	--	12	3	3	120	100
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--	--	--
255	350625109270601	11-18-75	--	100	43	1.3	--	35	--	--	--	--
256	351045109270601	08-11-88	--	--	--	--	--	--	--	--	--	--
257	350622109270901	08-25-87	2.9	180	100	--	.3	--	--	3	--	--
258	350740109274501	08-27-87	.8	2.3	10	--	.5	--	--	5	--	--
259	345130109283001	08-13-75	--	3.2	13	.50	--	17	--	--	--	--
260	350842109284301	08-20-75	--	39	200	1.2	--	15	--	--	--	--
261	350959109290501	06-18-75	--	62	190	.70	--	16	--	--	--	--
262	351000109291501	08-31-87	2.1	35	140	--	.5	--	--	10	--	--
263	350925109292501	08-31-87	2.2	220	270	--	.7	--	--	10	--	--
264	350605109293801	08-21-75	--	12	45	1.1	--	12	--	--	--	--
		11-19-75	--	9.8	40	.90	--	15	--	--	--	--
265	350600109294501	08-24-87	1.0	12	36	--	.3	--	--	16	--	--
266	345610109301001	08-13-75	--	6.8	13	.30	--	19	--	--	--	--
267	345700109302001	08-19-75	--	34	17	.50	--	17	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	COPPER,	IRON,	IRON,	LEAD,	LEAD,	MANGA-	MANGA-	MOLYB-	MOLYB-	NICKEL,
			TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	DIS- SOLVED (UG/L AS FE) (01046)	DIS- SOLVED (UG/L AS PB) (01049)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	DIS- SOLVED (UG/L AS MN) (01056)	DIS- SOLVED (UG/L AS MO) (01060)	TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	DIS- SOLVED (UG/L AS NI) (01065)
245	350717109253301	11-18-75	--	--	<10	--	--	--	--	--	--	--
246	351119109255301	11-19-75 12-01-86 8-09-88	-- 10 <10	-- 190 90	<10 -- 30	-- -- --	-- -- --	-- 190 190	-- -- 200	-- -- 10	-- -- 6 <10	-- -- -- --
247	350547109260101	08-21-75	--	--	<10	--	--	--	--	--	--	--
248	351149109260801	11-18-75	--	--	210	--	--	--	--	--	--	--
249	351149109260802	11-18-75	--	--	60	--	--	--	--	--	--	--
250	351118109261001	11-19-75	--	--	<10	--	--	--	--	--	--	--
251	351119109263901	03-29-56 11-18-75	-- --	-- --	40 <10	-- --	-- --	-- --	-- --	-- --	-- --	-- --
252	351047109265001	12-03-86 8-09-88 8-10-88	4 -- --	40 -- --	-- -- --	-- -- --	-- -- --	<5 -- --	<10 -- --	-- -- --	7 -- --	-- -- --
253	351044109270501	08-11-88	1	540	350	<5	<5	3500	3300	20	22	3
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--	--	--
255	350625109270601	11-18-75	--	--	<10	--	--	--	--	--	--	--
256	351045109270601	08-11-88	--	--	--	--	--	--	--	--	--	--
257	350622109270901	08-25-87	<10	4500	--	--	--	500	--	--	<10	--
258	350740109274501	08-27-87	<10	50	--	--	--	10	--	--	<10	--
259	345130109283001	08-13-75	--	--	20	--	--	--	--	--	--	--
260	350842109284301	08-20-75	--	--	50	--	--	--	--	--	--	--
261	350959109290501	06-18-75	--	--	<10	--	--	--	--	--	--	--
262	351000109291501	08-31-87	20	770	--	--	--	910	--	--	<10	--
263	350925109292501	08-31-87	20	1400	--	--	--	340	--	--	<10	--
264	350605109293801	08-21-75 11-19-75	-- --	-- --	360 20	-- --	-- --	-- --	-- --	-- --	-- --	-- --
265	350600109294501	08-24-87	<10	150	--	--	--	10	--	--	<10	--
266	345610109301001	08-13-75	--	--	150	--	--	--	--	--	--	--
267	345700109302001	08-19-75	--	--	<10	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM	SOLIDS, SUSP.	SOLIDS, RESIDUE	SOLIDS, SUM OF	SOLIDS, DIS-	PHOS-	NITRO-	NITRO-	MERCURY
			NATURAL TOTAL (PCI/L AS U) (28012)	TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLVED (TONS PER AC-FT) (70303)	PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	DIS- SOLVED (UG/L AS HG) (71890)
245	350717109253301	11-18-75	--	--	209	207	.28	--	--	--	--
246	3511191092553D1	11-19-75	--	--	763	775	1.04	--	--	--	--
		12-01-86	--	--	797	858	1.08	--	--	--	--
		8-09-88	9.1	4	914	806	1.24	--	--	--	--
247	350547109260101	08-21-75	--	--	177	189	.24	--	--	--	
248	351149109260801	11-18-75	--	--	1110	1100	1.51	--	--	--	
249	351149109260802	11-18-75	--	--	983	1020	1.34	--	--	--	
250	351118109261001	11-19-75	--	--	740	806	1.01	--	--	--	
251	351119109263901	03-29-56	--	--	--	796	1.08	--	--	--	--
		11-18-75	--	--	849	819	1.15	--	--	--	--
252	351047109265001	12-03-86	--	--	676	702	.92	--	--	--	--
		8-09-88	--	--	--	--	--	--	--	--	--
		8-10-88	--	--	--	--	--	--	--	--	--
253	351044109270501	08-11-88	--	--	717	728	.98	.020	--	--	<.1
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--	--
255	350625109270601	11-18-75	--	--	514	537	.70	--	--	--	--
256	351045109270601	08-11-88	--	--	--	--	--	--	--	--	--
257	350622109270901	08-25-87	4.6	4	729	--	--	--	--	--	--
258	350740109274501	08-27-87	1.8	4	168	--	--	--	--	--	--
259	345130109283001	08-13-75	--	--	215	209	.29	--	--	--	--
260	350842109284301	08-20-75	--	--	799	784	1.09	--	--	--	--
261	350959109290501	06-18-75	--	--	739	758	1.01	--	1.2	3.1	--
262	351000109291501	08-31-87	.20	4	590	--	--	--	--	--	--
263	350925109292501	08-31-87	13	4	1140	--	--	--	--	--	--
264	350605109293801	08-21-75	--	--	446	563	.61	--	--	--	--
		11-19-75	--	--	393	412	.53	--	--	--	--
265	350600109294501	08-24-87	2.0	4	375	--	--	--	--	--	--
266	345610109301001	08-13-75	--	--	172	171	.23	--	--	--	--
267	345700109302001	08-19-75	--	--	314	306	.43	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	URANIUM DIS- SOLVED, EXTRAC- TION (PCI/L) (80015)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)
245	350717109253301	11-18-75	--	5780	52.00	--	--	--	--	--
246	351119109255301	11-19-75	--	5750	91.00	--	--	--	--	--
		12-01-86	--	5750	91.00	--	--	--	--	--
		8-09-88	--	5750	91.00	8.2	12	--	--	--
247	350547109260101	08-21-75	--	5784	52.00	--	--	--	--	--
248	351149109260801	11-18-75	--	5785	110.00	--	--	--	--	--
249	351149109260802	11-18-75	--	5785	250.00	--	--	--	--	--
250	351118109261001	11-19-75	--	5750	235.00	--	--	--	--	--
251	351119109263901	03-29-56	--	5765	110.00	--	--	--	--	--
		11-18-75	--	5765	110.00	--	--	--	--	--
252	351047109265001	12-03-86	--	5720	--	--	--	--	--	--
		8-09-88	--	5720	--	--	--	--	--	--
		8-10-88	--	5720	--	--	--	17	.9	2.1
253	351044109270501	08-11-88	<.10	--	--	--	--	20	8.2	8.2
254	351044109270502	08-11-88	--	--	--	--	--	--	--	--
255	350625109270601	11-18-75	--	5730	--	--	--	--	--	--
256	351045109270601	08-11-88	--	5712	--	--	--	15	7.1	8.6
257	350622109270901	08-25-87	--	5736	--	--	--	--	--	--
258	350740109274501	08-27-87	--	5730	--	--	--	--	--	--
259	345130109283001	08-13-75	--	6268	73.00	--	--	--	--	--
260	350842109284301	08-20-75	--	5692	52.00	--	--	--	--	--
261	350959109290501	06-18-75	--	5710	100.00	--	--	--	--	--
262	351000109291501	08-31-87	--	5720	150.00	--	--	--	--	--
263	350925109292501	08-31-87	--	5660	--	--	--	--	--	--
264	350605109293801	08-21-75	--	5670	--	--	--	--	--	--
		11-19-75	--	5670	--	--	--	--	--	--
265	350600109294501	08-24-87	--	5680	3.00	--	--	--	--	--
266	345610109301001	08-13-75	--	6455	500.00	--	--	--	--	--
267	345700109302001	08-19-75	--	6123	300.00	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)
268	345450109312001	08-19-75	--	16.5	--	--	--	1028	--	370	--	8.4
269	345930109312001	08-19-75	--	17.0	--	--	--	1028	--	460	--	7.6
270	350747109313101	06-17-75	--	16.0	--	--	--	1028	--	1140	--	--
271	350638109320501	08-24-87	--	--	23.0	--	910	910	--	--	--	7.6
272	345300109333001	08-19-75	--	--	--	--	--	1028	--	1500	--	8.9
273	350500109341901	03-06-50	--	--	--	--	--	1028	--	9490	--	--
274	350425109344101	05-07-57	--	--	--	--	--	1028	--	59300	--	7.2
275	350649109350301	08-12-75	--	--	--	--	--	1028	--	1100	--	7.9
276	350527109361401	08-20-87	--	--	23.0	--	910	910	--	--	--	7.7
277	350527109361501	06-18-75	--	16.0	--	--	--	1028	--	1180	--	--
278	350456109375101	06-17-75	--	16.0	--	--	--	1028	--	900	--	--
279	350451109383401	12-05-86	1230	15.5	--	624	--	1028	19	1160	.5	8.1
280	350338109384801	12-05-86	1000	15.5	--	626	--	1028	.50	1400	.5	7.9
		8-19-87	--	--	24.0	--	910	910	--	--	--	7.8
		1-14-88	--	--	7.0	--	910	910	--	--	--	7.6
281	351313109385401	09-19-67	--	--	--	--	--	1008	--	720	--	--
282	350804109404001	06-17-75	--	16.0	--	--	--	1028	--	1340	--	--
283	344739109412501	09-17-75	--	--	--	--	--	1028	--	3200	--	7.1
284	350638109413101	06-17-75	--	16.0	--	--	--	1028	--	1710	--	--
285	350233109415001	06-17-75	--	16.5	--	--	--	1028	--	1280	--	--
286	350444109423101	06-17-75	--	17.0	--	--	--	1028	--	1750	--	--
287	350501109423201	03-13-69	--	--	--	--	1028	1028	--	3330	--	8.1
288	350040109430701	08-20-87	--	--	27.0	--	910	910	--	--	--	8.7
289	350652109433201	08-24-87	--	--	23.0	--	910	910	--	--	--	8.5
290	344643109433801	09-17-75	--	--	--	--	--	1028	--	1600	--	7.7
291	350111109434401	06-17-75	--	17.0	--	--	--	1028	--	1250	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SPE- CIFIC CONDUCT- ANCE NONTEMP CORR. UMHS/CM (00402)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	BICAR- BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)
268	345450109312001	08-19-75	--	--	1.1	138	--	160	2	--	--	--
269	345930109312001	08-19-75	--	--	7.2	148	--	180	--	--	--	--
270	350747109313101	06-17-75	--	--	--	460	--	560	--	--	.030	.020
271	350638109320501	08-24-87	1230	--	--	--	--	--	--	621	--	--
272	345300109333001	08-19-75	--	--	1.8	729	--	660	112	--	--	--
273	350500109341901	03-06-50	--	--	--	143	--	170	--	--	--	1.30
274	350425109344101	05-07-57	--	--	15	123	--	150	--	--	--	--
275	350649109350301	08-12-75	--	--	9.3	378	--	460	--	--	--	--
276	350527109361401	08-20-87	1250	--	--	--	--	--	--	507	--	--
277	350527109361501	06-18-75	--	--	--	508	--	620	--	--	.070	.020
278	350456109375101	06-17-75	--	--	--	211	--	260	--	--	.010	.190
279	350451109383401	12-05-86	--	8.0	--	449	431	--	--	--	--	--
280	350338109384801	12-05-86 8-19-87 1-14-88	-- 1000 1000	8.1 -- --	-- -- --	358 -- --	325 -- --	-- -- --	-- -- --	-- 432 --	-- -- --	-- -- --
281	351313109385401	09-19-67	--	--	--	180	--	220	--	--	--	--
282	350804109404001	06-17-75	--	--	--	536	--	650	--	--	.010	1.39
283	344739109412501	09-17-75	--	--	66	426	--	520	--	--	--	--
284	350638109413101	06-17-75	--	--	--	730	--	890	--	--	.010	1.09
285	350233109415001	06-17-75	--	--	--	593	--	720	--	--	.020	.060
286	350444109423101	06-17-75	--	--	--	476	--	580	--	--	.010	4.29
287	350501109423201	03-13-69	--	--	6.7	435	--	530	--	--	--	--
288	350040109430701	08-20-87	1310	--	--	--	--	--	--	382	--	--
289	350652109433201	08-24-87	1200	--	--	--	--	--	--	458	--	--
290	344643109433801	09-17-75	--	--	25	632	--	770	--	--	--	--
291	350111109434401	06-17-75	--	--	--	434	--	530	--	--	.250	.010

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
268	345450109312001	08-19-75	--	3.60	.09	.030	8	--	--	2.9	.20
269	345930109312001	08-19-75	--	8.30	--	.010	51	--	--	16	2.7
270	350747109313101	06-17-75	--	.050	.03	.010	260	--	--	76	18
271	350638109320501	08-24-87	.100	--	--	--	--	--	23	--	--
272	345300109333001	08-19-75	--	.070	4.3	1.40	64	--	--	20	3.3
273	350500109341901	03-06-50	--	--	--	--	310	160	--	98	15
274	350425109344101	05-07-57	--	--	--	--	2100	2000	--	660	120
275	350649109350301	08-12-75	--	.530	.03	.010	88	--	--	25	6.3
276	350527109361401	08-20-87	.100	--	--	--	--	--	13	--	--
277	350527109361501	06-18-75	--	.090	.28	.090	29	--	--	5.7	3.7
278	350456109375101	06-17-75	--	.200	--	.010	220	5	--	65	13
279	350451109383401	12-05-86	--	--	--	--	100	--	--	30	6.8
280	350338109384801	12-05-86 8-19-87 1-14-88	-- .100 --	-- -- --	-- -- --	-- -- --	140 -- --	-- -- --	-- 31 --	41 -- --	10 -- --
281	351313109385401	09-19-67	--	--	--	--	220	46	--	76	7.9
282	350804109404001	06-17-75	--	1.40	.15	.050	17	--	--	4.9	1.1
283	344739109412501	09-17-75	--	2.50	--	.010	84	--	--	28	3.3
284	350638109413101	06-17-75	--	1.10	.18	.060	21	--	--	6.9	.90
285	350233109415001	06-17-75	--	.080	.15	.050	120	--	--	39	4.8
286	350444109423101	06-17-75	--	4.30	.09	.030	80	--	--	22	6.1
287	350501109423201	03-13-69	--	--	--	--	200	--	--	56	14
288	350040109430701	08-20-87	.100	--	--	--	--	--	4.5	--	--
289	350652109433201	08-24-87	.100	--	--	--	--	--	2.6	--	--
290	344643109433801	09-17-75	--	.290	.12	.040	18	--	--	5.7	.90
291	350111109434401	06-17-75	--	.260	.25	.080	85	--	--	26	4.8

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	MAGNE-	SODIUM,	SODIUM	SODIUM+	POTAS-	POTAS-	POTAS-	CHLO-	SULFATE	FLUO-
			SOLIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	DIS- SOLVED (MG/L AS NA) (D0930)	AD- SORP- TION RATIO (SAR) (D0931)	SODIUM PERCENT (D0932)	SOLIUM DIS- SOLVED (MG/L AS NA) (00933)	SOLIUM, DIS- SOLVED (MG/L AS K) (00935)	SOLIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)
268	345450109312001	08-19-75	--	84	13	95	--	.60	--	19	11	1.0
269	345930109312001	08-19-75	--	87	5	78	--	1.8	--	35	18	.50
270	350747109313101	06-17-75	--	170	5	58	--	4.3	--	38	120	.50
271	350638109320501	08-24-87	3.5	320	--	--	--	--	3.4	49	33	--
272	345300109333001	08-19-75	--	420	23	93	--	.70	--	35	140	9.1
273	350500109341901	03-06-50	--	--	--	--	2300	--	--	850	3700	.80
274	350425109344101	05-07-57	--	--	--	--	15000	--	--	24000	1800	--
275	350649109350301	08-12-75	--	260	12	86	--	3.3	--	37	240	1.0
276	350527109361401	08-20-87	3.4	300	--	--	--	--	2.1	63	86	--
277	350527109361501	06-18-75	--	290	23	95	--	2.6	--	59	93	.80
278	350456109375101	06-17-75	--	130	4	56	--	1.6	--	42	210	1.0
279	350451109383401	12-05-86	--	220	9	82	--	1.8	--	52	100	1.1
280	350338109384801	12-05-86 8-19-87 1-14-88	-- 7.2 --	270 250 --	10 -- --	80 -- --	-- -- --	1.5 -- --	-- 1.8 --	50 65 --	330 94 --	1.2 -- --
281	351313109385401	09-19-67	--	55	2	34	--	4.5	--	18	110	.50
282	350804109404001	06-17-75	--	340	36	98	--	1.4	--	21	200	2.7
283	344739109412501	09-17-75	--	790	38	95	--	1.8	--	760	300	1.6
284	350638109413101	06-17-75	--	420	40	98	--	1.4	--	20	170	4.0
285	350233109415001	06-17-75	--	290	12	84	--	3.4	--	42	65	.50
286	350444109423101	06-17-75	--	420	20	92	--	1.4	--	190	230	1.7
287	350501109423201	03-13-69	--	--	--	--	670	--	--	580	380	1.9
288	350040109430701	08-20-87	.96	340	--	--	--	--	1	49	260	--
289	350652109433201	08-24-87	.20	320	--	--	--	--	2.5	53	120	--
290	344643109433801	09-17-75	--	370	38	98	--	1.2	--	65	110	1.6
291	350111109434401	06-17-75	--	290	14	88	--	1.9	--	79	170	1.6

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	FLUO- RIDE, TOTAL (MG/L AS F) (00951)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
268	345450109312001	08-19-75	--	15	--	--	100	--	--	--	--	--
269	345930109312001	08-19-75	--	19	--	--	90	--	--	--	--	--
270	350747109313101	06-17-75	--	24	--	--	250	--	--	--	--	--
271	350638109320501	08-24-87	.2	--	4	--	--	--	<5	--	--	<10
272	345300109333001	08-19-75	--	33	--	--	1700	--	--	--	--	--
273	350500109341901	03-06-50	--	8.5	--	--	--	--	--	--	--	--
274	350425109344101	05-07-57	--	25	--	--	--	--	--	--	--	--
275	350649109350301	08-12-75	--	14	--	--	810	--	--	--	--	--
276	350527109361401	08-20-87	.3	--	<1	--	--	--	<5	--	--	<10
277	350527109361501	06-18-75	--	19	--	--	460	--	--	--	--	--
278	350456109375101	06-17-75	--	17	--	--	220	--	--	--	--	--
279	350451109383401	12-05-86	--	22	3	200	--	470	4	<1	1	76
280	350338109384801	12-05-86	--	19	5	<100	--	540	17	<1	<1	27
		8-19-87	.3	--	<1	--	--	--	<5	--	--	<10
		1-14-88	--	--	--	--	--	--	--	--	--	--
281	351313109385401	09-19-67	--	--	--	--	--	--	--	--	--	--
282	350804109404001	06-17-75	--	15	--	--	1300	--	--	--	--	--
283	344739109412501	09-17-75	--	10	--	--	800	--	--	--	--	--
284	350638109413101	06-17-75	--	19	--	--	1700	--	--	--	--	--
285	350233109415001	06-17-75	--	19	--	--	440	--	--	--	--	--
286	350444109423101	06-17-75	--	23	--	--	1200	--	--	--	--	--
287	350501109423201	03-13-69	--	24	--	--	--	--	--	--	--	--
288	350040109430701	08-20-87	1.5	--	22	--	--	--	<5	--	--	<10
289	350652109433201	08-24-87	.2	--	<1	--	--	--	<5	--	--	<10
290	344643109433801	09-17-75	--	10	--	--	640	--	--	--	--	--
291	350111109434401	06-17-75	--	20	--	--	550	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	URANIUM NATURAL TOTAL (PCI/L AS U) (28012)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3) (71850)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)
268	345450109312001	08-19-75	--	--	--	235	235	.32	--	--	--
269	345930109312001	08-19-75	--	--	--	310	305	.42	--	--	--
270	350747109313101	06-17-75	--	--	--	625	727	.85	--	.09	.10
271	350638109320501	08-24-87	1.2	.80	4	752	--	--	--	--	--
272	345300109333001	08-19-75	--	--	--	1100	1220	1.50	--	--	--
273	350500109341901	03-06-50	--	--	--	--	7040	--	--	5.9	--
274	350425109344101	05-07-57	--	--	--	--	--	--	--	--	--
275	350649109350301	08-12-75	--	--	--	831	816	1.13	--	--	--
276	350527109361401	08-20-87	1.3	.90	4	755	--	--	--	--	--
277	350527109361501	06-18-75	--	--	--	790	779	1.07	--	.09	.23
278	350456109375101	06-17-75	--	--	--	610	607	.83	--	.84	.03
279	350451109383401	12-05-86	9.0	--	--	698	703	.95	--	--	--
280	350338109384801	12-05-86 8-19-87 1-14-88	38 .30 --	-- .20 --	-- 4 --	1180 664 --	937 -- --	1.60 -- --	-- -- --	-- -- --	-- -- --
281	351313109385401	09-19-67	--	--	--	--	380	.52	42	--	--
282	350804109404001	06-17-75	--	--	--	930	915	1.26	--	6.2	.03
283	344739109412501	09-17-75	--	--	--	2060	2160	2.80	--	--	--
284	350638109413101	06-17-75	--	--	--	1100	1090	1.50	--	4.8	.03
285	350233109415001	06-17-75	--	--	--	774	820	1.05	--	.27	.07
286	350444109423101	06-17-75	--	--	--	1220	1200	1.66	--	19	.03
287	350501109423201	03-13-69	--	--	--	--	1980	--	--	--	--
288	350040109430701	08-20-87	15	9.9	4	859	--	--	--	--	--
289	350652109433201	08-24-87	7.1	4.7	4	741	--	--	--	--	--
290	344643109433801	09-17-75	--	--	--	934	946	1.27	--	--	--
291	350111109434401	06-17-75	--	--	--	853	855	1.16	--	.04	.82

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FT) (72019)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	SAM- PLING METHOD, CODES (82398)	TEMPER- ATURE AREA WTD AVE (DEG C) (90010)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	ALKA- LITY LAB (MG/L AS CACO3) (90410)
268	345450109312001	08-19-75	6108	110.00	--	--	--	--	--	--	--
269	345930109312001	08-19-75	6090	517.00	--	--	--	--	--	--	--
270	350747109313101	06-17-75	5647	103.00	--	--	--	--	--	--	--
271	350638109320501	08-24-87	5645	--	--	-77.0	-10.20	--	19.0	--	--
272	345300109333001	08-19-75	5845	73.00	--	--	--	--	--	--	--
273	350500109341901	03-06-50	5795	1550.00	--	--	--	--	--	--	--
274	350425109344101	05-07-57	5766	1198.00	--	--	--	--	--	--	--
275	350649109350301	08-12-75	5615	103.00	--	--	--	--	--	--	--
276	350527109361401	08-20-87	5570	--	--	-80.0	-10.40	--	23.0	--	--
277	350527109361501	06-18-75	5570	115.00	--	--	--	--	--	--	--
278	350456109375101	06-17-75	5510	460.00	--	--	--	--	--	--	--
279	350451109383401	12-05-86	5510	54.00	24.67	--	--	4040	--	1070	431
280	350338109384801	12-05-86	5488	55.00	13.90	--	--	4040	--	1280	325
		8-19-87	5488	55.00	--	-86.0	-11.00	--	19.5	--	--
		1-14-88	5488	55.00	--	-85.0	-11.20	--	13.5	--	--
281	351313109385401	09-19-67	5840	110.00	--	--	--	--	--	--	--
282	350804109404001	06-17-75	5642	27.00	--	--	--	--	--	--	--
283	344739109412501	09-17-75	5524	1300.00	--	--	--	--	--	--	--
284	350638109413101	06-17-75	5569	12.00	--	--	--	--	--	--	--
285	350233109415001	06-17-75	5432	60.00	--	--	--	--	--	--	--
286	350444109423101	06-17-75	--	30.00	--	--	--	--	--	--	--
287	350501109423201	03-13-69	5525	32.00	20.00	--	--	--	--	--	--
288	350040109430701	08-20-87	5407	35.00	--	-78.0	-10.40	--	22.0	--	--
289	350652109433201	08-24-87	5645	--	--	-79.0	-10.20	--	18.5	--	--
290	344643109433801	09-17-75	5450	1300.00	--	--	--	--	--	--	--
291	350111109434401	06-17-75	5402	60.00	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)
292	344827109441001	03-23-72	--	17.5	--	--	1028	--	2390	--	7.4
293	345831109474701	08-03-84	1215	--	--	9704	--	--	--	--	--
294	345850109475001	09-26-75 2-09-76 12-02-86	-- 0010 1215	18.0 18.0 16.0	-- -- 631	-- 1028 --	1028 1028 1028	-- -- .40	1680 -- 1550	-- -- .4	7.6 -- 8.0
295	345839109475801	02-04-80	1430	--	--	9704	--	--	--	--	--
296	345841109481701	12-22-71	--	18.0	--	--	1028	--	90400	--	7.0
297	345757109482001	12-06-86	0930	14.5	--	1028	1028	--	1630	--	8.1
298	345855109482701	09-22-75	--	18.0	--	--	1028	--	1700	--	8.0
299	350434109492101	05-17-69	--	15.0	--	--	1028	--	1580	--	8.8
300	350205109492701	07-20-55 7-21-55	-- --	-- --	-- --	-- --	1028 1028	-- --	80300 103000	-- --	6.8 --
301	345823109513501	10-15-64	--	15.0	--	--	1028	--	2970	--	8.0
302	345817109525001	10-14-64	--	18.0	--	--	1028	--	1410	--	8.9
303	344723109533901	12-22-71	--	19.5	--	--	1028	--	6390	--	7.5
304	350009109540901	03-13-69 6-17-75	-- --	-- 17.0	-- --	-- --	1028 1028	-- --	2090 1650	-- --	8.7 --
305	350143109561901	06-18-75	--	15.0	--	--	1028	--	5500	--	--
306	344720109585001	09-12-72	--	19.0	--	--	1028	--	4230	--	7.3
307	345801110002501	02-02-60 4-06-60	-- --	-- --	-- --	-- --	9704 9704	-- --	-- --	-- --	-- --
308	345758110002701	10-30-59 2-08-60 3-17-60 6-01-61 10-15-63	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	9704 9704 9704 9704 9704	-- -- -- -- --	-- -- -- -- 2820	-- -- -- -- --	-- -- -- -- --
309	345807110003401	01-19-76	1000	--	--	9704	--	--	<2500	--	--
310	345212110012901	04-30-65	--	--	--	--	1028	--	6090	--	7.5
311	344644110023301	08-05-86	1315	15.5	--	--	1028	--	1270	.9	7.2
312	344644110024201	05-17-68	--	--	--	--	1028	--	--	--	7.2
313	344643110024301	10-01-84	1930	--	--	9704	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	BICAR- BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
292	344827109441001	03-23-72	--	--	217	--	260	--	--	--	--	--
293	345831109474701	08-03-84	--	--	459	--	--	--	--	--	--	--
294	345850109475001	09-26-75	--	21	431	--	530	--	--	--	--	--
		2-09-76	--	--	--	439	540	--	--	--	--	--
		12-02-86	8.0	--	450	442	--	--	--	--	--	--
295	345839109475801	02-04-80	--	--	482	--	--	--	--	--	--	--
296	345841109481701	12-22-71	--	85	435	--	530	--	--	--	--	--
297	345757109482001	12-06-86	8.3	--	678	663	830	--	--	--	--	--
298	345855109482701	09-22-75	--	9.3	476	--	580	--	--	--	--	--
299	350434109492101	05-17-69	--	1.4	464	--	480	43	--	--	--	--
300	350205109492701	07-20-55	--	22	71	--	86	--	--	--	--	--
		7-21-55	--	--	62	--	76	--	--	--	--	--
301	345823109513501	10-15-64	--	8.0	410	--	500	--	--	.560	--	--
302	345817109525001	10-14-64	--	1.3	511	--	530	45	--	.680	--	--
303	344723109533901	12-22-71	--	17	271	--	330	--	--	--	--	--
304	350009109540901	03-13-69	--	1.4	352	--	390	19	--	--	--	--
		6-17-75	--	--	360	--	440	--	.010	1.30	1.30	1.30
305	350143109561901	06-18-75	--	--	402	--	490	--	.010	.410	--	--
306	344720109585001	09-12-72	--	29	299	--	360	--	--	--	--	--
307	345801110002501	02-02-60	--	--	315	--	350	15	--	.230	--	--
		4-06-60	--	--	304	--	350	10	--	.110	--	--
308	345758110002701	10-30-59	--	--	402	--	460	15	--	.680	--	--
		2-08-60	--	--	414	--	510	20	--	1.40	--	--
		3-17-60	--	--	394	--	460	10	--	.230	--	--
		6-01-61	--	--	369	--	450	--	--	.230	--	--
		10-15-63	--	--	401	--	490	--	--	.450	--	--
309	345807110003401	01-19-76	--	--	456	--	--	--	--	--	--	--
310	345212110012901	04-30-65	--	9.1	148	--	180	--	--	--	--	--
311	344644110023301	08-05-86	7.7	--	171	--	--	--	--	--	--	--
312	344644110024201	05-17-68	--	24	194	--	240	--	--	--	--	--
313	344643110024301	10-01-84	--	--	188	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO ₂) (71856)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	ALKA- LITY LAB (MG/L AS CACO ₃) (90410)
292	344827109441001	03-23-72	--	--	5350	1300.00	--	--	--
293	345831109474701	08-03-84	--	--	--	--	--	--	--
294	345850109475001	09-26-75	--	--	5320	110.00	--	--	--
		2-09-76	--	--	5320	110.00	--	1530	--
		12-02-86	--	--	5320	110.00	4040	1530	442
295	345839109475801	02-04-80	--	--	--	--	--	--	--
296	345841109481701	12-22-71	--	--	5299	600.00	--	--	--
297	345757109482001	12-06-86	--	--	5315	--	4030	2780	663
298	345855109482701	09-22-75	--	--	5315	50.00	--	--	--
299	350434109492101	05-17-69	--	--	5405	27.00	--	--	--
300	350205109492701	07-20-55	--	--	5558	460.00	--	--	--
		7-21-55	--	--	5558	460.00	--	--	--
301	345823109513501	10-15-64	--	--	5270	160.00	--	--	--
302	345817109525001	10-14-64	--	--	5265	100.00	--	--	--
303	344723109533901	12-22-71	--	--	5395	500.00	--	--	--
304	350009109540901	03-13-69	--	--	5270	80.00	--	--	--
		6-17-75	.03	--	5270	80.00	--	--	--
305	350143109561901	06-18-75	.03	--	5375	33.00	--	--	--
306	344720109585001	09-12-72	--	--	5400	309.00	--	--	--
307	345801110002501	02-02-60	--	--	5175	136.00	--	--	--
		4-06-60	--	--	5175	136.00	--	--	--
308	345758110002701	10-30-59	--	--	5170	113.00	--	--	--
		2-08-60	--	--	5170	113.00	--	--	--
		3-17-60	--	--	5170	113.00	--	--	--
		6-01-61	--	--	5170	113.00	--	--	--
		10-15-63	--	--	5170	113.00	--	--	--
309	345807110003401	01-19-76	--	<.50	--	--	--	--	--
310	345212110012901	04-30-65	--	--	5310	240.00	--	--	--
311	344644110023301	08-05-86	--	--	5175	160.00	--	1150	182
312	344644110024201	05-17-68	--	--	5180	450.00	--	--	--
313	344643110024301	10-01-84	--	--	--	--	--	--	--

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)
314	345236110064901	04-18-54 10-15-65	-- --	-- --	-- --	1028 9704	1400 --	-- --	-- --	-- --	-- --
315	345411110080801	10-22-80 10-02-83	0900 0800	-- --	9704 9704	-- --	2220 2220	-- --	-- --	-- --	-- --
316	345302110110501	09-06-72	--	17.0	--	1028	2360	--	7.6	--	9.6
317	345303110120501	09-06-72	--	17.0	--	1028	1280	--	7.3	--	19
318	345447110124901	09-13-72	--	--	--	--	2320	--	7.7	--	6.6
319	345424110125101	09-13-72	--	--	--	1028	2320	--	7.7	--	6.6
320	345308110125201	04-30-57 2-27-59 4-10-61 4-20-66 3-25-69	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	9704 9704 9704 9704 9704	-- -- -- -- --	-- -- -- -- --	-- 8.2 -- -- --	-- -- -- -- --	-- 1.6 -- -- --
321	345308110125301	08-05-86	0930	16.5	--	1028	840	2.0	7.4	7.9	--
322	345447110132801	07-16-59 7-26-72	-- --	-- 17.0	-- --	9902 1028	-- 2490	-- --	-- 7.7	-- --	-- 6.5
323	345314110133901	06-15-65	--	--	--	1028	--	--	7.7	--	6.4

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	ALKA-	BICAR-	CAR-	NITRO-	NITRO-	PHOS-	PHOS-	HARD-	HARD-
			LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHATE, ORTHO, DIS- SOLVED (MG/L AS P) (00660)	PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	NESS TOTAL (MG/L AS CACO3) (00900)	NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)
314	345236110064901	04-18-54	230	280	--	.140	--	--	--	480	260
		10-15-65	159	190	2	--	--	--	--	470	320
315	345411110080801	10-22-80	190	--	--	--	--	--	--	440	--
		10-02-83	190	--	--	--	--	--	--	440	--
316	345302110110501	09-06-72	195	240	--	--	2.80	.12	.040	910	710
317	345303110120501	09-06-72	200	240	--	--	.260	.03	.010	470	270
318	345447110124901	09-13-72	169	210	--	--	.010	.03	.010	490	320
319	345424110125101	09-13-72	170	210	--	--	.010	.03	.010	490	320
320	345308110125201	04-30-57	156	190	--	.900	--	--	--	320	170
		2-27-59	131	160	--	--	--	--	--	120	--
		4-10-61	156	190	--	--	--	--	--	280	120
		4-20-66	--	--	--	--	--	--	--	260	--
		3-25-69	123	150	--	.230	--	--	--	160	140
321	345308110125301	08-05-86	173	--	--	--	.210	--	< .010	280	--
322	345447110132801	07-16-59	172	210	--	--	--	--	--	530	360
		7-26-72	170	200	--	--	--	.03	.010	470	300
323	345314110133901	06-15-65	164	200	--	--	--	--	--	260	95

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (SAR) (00931)	SODIUM+		POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO ₄) (00945)
							SODIUM PERCENT (00932)	POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)			
314	345236110064901	04-18-54	120	43	--	--	35	120	--	140	300
		10-15-65	120	42	190	4	--	--	--	300	260
315	345411110080801	10-22-80	--	--	--	--	--	--	--	570	220
		10-02-83	--	--	--	--	--	--	--	570	220
316	345302110110501	09-06-72	150	130	170	2	29	--	6.1	270	740
317	345303110120501	09-06-72	90	59	94	2	30	--	2.5	140	280
318	345447110124901	09-13-72	120	46	290	6	56	--	3.1	460	300
319	345424110125101	09-13-72	120	46	290	6	56	--	3.1	460	300
320	345308110125201	04-30-57	72	35	60	1	--	--	--	68	160
		2-27-59	22	15	50	2	--	--	--	55	130
		4-10-61	53	37	53	1	--	--	--	60	130
		4-20-66	--	--	--	--	--	--	--	--	--
		3-25-69	37	16	53	2	--	--	--	60	130
321	345308110125301	08-05-86	56	35	57	1	30	--	2.5	69	150
322	345447110132801	07-16-59	130	50	340	6	59	--	--	560	300
		7-26-72	110	47	3.2	.1	1	--	330	540	280
323	345314110133901	06-15-65	51	32	--	--	--	60	--	66	130

GROUND WATER--Continued

MAP INTEGER (SEE PLATE 2 AND TABLE 5)	STATION NUMBER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO ₃) (71851)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FT) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	ALKA- LINITY LAB (MG/L AS CACO ₃) (90410)
314	345236110064901	04-18-54 10-15-65	-- --	874 --	1.19 --	.60 --	-- --	5210 5210	180.00 180.00	-- --	-- --
315	345411110080801	10-22-80 10-02-83	1370 1370	-- --	-- --	-- --	<.50 <.50	-- --	-- --	-- --	-- --
316	345302110110501	09-06-72	--	1610	2.19	--	--	5110	400.00	--	--
317	345303110120501	09-06-72	--	797	1.08	--	--	5075	300.00	--	--
318	345447110124901	09-13-72	--	1330	1.81	--	--	--	--	--	--
319	345424110125101	09-13-72	--	1330	1.81	--	--	5080	500.00	--	--
320	345308110125201	04-30-57 2-27-59 4-10-61 4-20-66 3-25-69	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	4.0 -- -- -- 1.0	-- -- -- -- --	5080 5080 5080 5080 5080	125.00 125.00 125.00 125.00 125.00	-- -- -- -- --	-- -- -- -- --
321	345308110125301	08-05-86	--	487	.66	--	--	5080	110.00	793	182
322	345447110132801	07-16-59 7-26-72	-- --	-- 1420	-- 1.93	-- --	-- --	5130 5130	208.00 208.00	-- --	-- --
323	345314110133901	06-15-65	--	--	--	--	--	5080	165.00	--	--