HYDROLOGIC DATA FROM AN AREA SOUTHWEST OF TALLAHASSEE, FLORIDA, WHERE MUNICIPAL WASTEWATER EFFLUENT IS APPLIED BY SPRAY IRRIGATION

By Michael C. Yurewicz

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6	49	30	114	53	130
7	56	31	115	54	130
8	59	32	116	55	132
9	60	33	118	56	136
10	62	34	120	57	138
11	62	35	121	58	142
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16	74	40	123	63	145
17	75	41	124	64	146
18	80	42	124	65	147
19	84	43	125	66	149
20	87	44	126	67	149
21	89	45	126	68	150
22	94	46	127	69	150
23	98	47	127	70	151
24	98				

HYDROLOGIC DATA FROM AN AREA SOUTHWEST OF TALLAHASSEE, FLORIDA, WHERE MUNICIPAL WASTEWATER EFFLUENT IS APPLIED BY SPRAY IRRIGATION

By Michael C. Yurewicz

ABSTRACT

Water quality and ground-water levels were monitored in the area of a field where municipal wastewater is applied by spray irrigation. The area irrigated is 4 miles southwest of Tallahassee, Florida, on land covered in part by pine forest and in part by selected grasses and forage crops. Hydrologic and geologic data were collected from March 1972 through June 1981. Hydrologic data include ground-water levels, water quality, and spray-irrigation rates. Measurements of ground-water levels were made at 60 wells. Water-quality samples were collected at 1 municipal wastewater effluent site, 3 springs, 17 soil sites, and 64 wells. Water-quality data include physical, chemical, and bacteriological analyses. Geologic data include geophysical logs and lithologic descriptions of 34 wells. Monthly and annual volumes of sprayed effluent are included for July 1966 through September 1981.

INTRODUCTION

The City of Tallahassee, Fla., has been spray irrigating pine forest as well as selected grasses and forage crops with municipal wastewater effluent since 1966 at the southwest spray irrigation field and wastewater treatment plant (fig. 1). Initially, 20.5 acres were sprayed at an approximate rate of 0.5 Mgal per day. The spray field reached its maximum size in 1977 when it was expanded to 119 acres. The volume of effluent sprayed was a maximum of 45 Mgal per month from March 1972 through January 1973. Although spray irrigation was initially done on an experimental basis, it subsequently was adopted as a routine procedure so that discharge of wastewater effluent to Munson Slough could be decreased.

Spray irrigation at the southwest field will be limited in the future for two reasons: (1) a larger spray field has been constructed 8 miles southeast of Tallahassee (fig. 1); and (2) much of the land being spray irrigated at the southwest field will be used for treatment plant expansions such as sludge handling facilities, sludge pits, and maintenance buildings. These changes are the result of implementation of the Tallahassee-Leon County 201 Facilities Plan, as outlined by William M. Bishop Consulting Engineers, Inc. (1976), and the Tallahassee-Leon County 208 Areawide Waste Treatment Management Plan, as reported by the Tallahassee-Leon County Planning Department (1978).

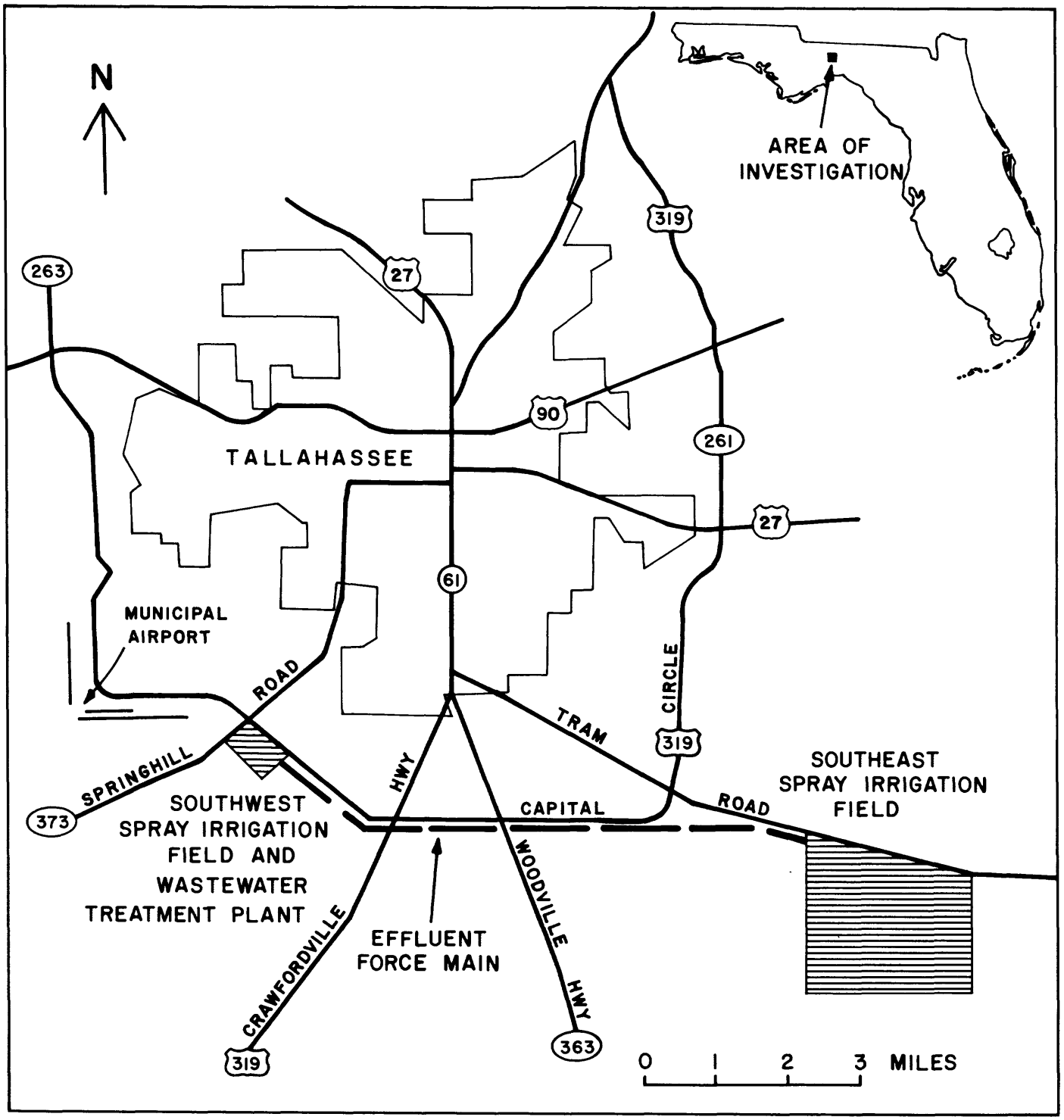

Figure 1.--Area of investigation and locations of the southwest and southeast spray fields near Tallahassee, Florida.

The switch from the southwest field to the southeast field began in November 1980. Plans are to enlarge the 1,086 acres of the southeast field now available for spray irrigation by an additional 750 acres. By mid-1981, construction of four sludge pits had begun on the southwest field. The completed sludge pits occupy 9.7 acres and are lined to prevent percolation of soluble sludge waste into the ground-water system. Additional sludge pits will be constructed as the need arises, thus further decreasing the area of the southwest field available for spray irrigation.

Purpose and Scope

The purpose of this report is to present hydrologic and geologic data that will aid in the assessment of the effects of spray irrigation of secondary-treated municipal wastewater on a ground-water system (in particular, on Floridan aquifer water). It is intended that the data not only will enable better management of the southwest spray-irrigation operation, but also--together with the experience gained through the investigation--assist city, state, and federal officials in planning the future size and operational needs of disposal facilities for municipal wastewater in Tallahassee.

This report presents data collected from March 1972 through June 1981. The area of investigation covers approximately 83 square miles (fig. 2). Water samples from wells and springs were collected in the immediate area of the southwest spray field (fig. 3) and as much as 11 miles from the spray field to ascertain the subsurface area affected by spray irrigation. Physical, chemical, and bacteriological analyses were made of ground-water and municipal wastewater effluent samples. Data on ground-water levels, geophysical logs, and lithologic samples were collected and analyzed. The investigation was carried out in cooperation with the City of Tallahassee.

Interpretive results of the investigation were presented by Slack (1975) for data collected from July 1972 through June 1974. Data collected from July 1966 through June 1981 are interpreted in a report in preparation. In addition, the effects of spray irrigation with municipal wastewater effluent in terms of crop uptake, changes in soil characteristics, and shallow ground-water quality have been reported by Overman (1979) in a study of effluent irrigation of coastal bermuda grass and other forage crops.

The investigation of the effects of spray irrigation with municipal wastewater effluent on the ground-water system are expected to continue with the major effort directed toward the southeast spray field. Baseline hydrologic data were obtained at the southeast spray field before spray irrigation began, and the installation of multiple-depth wells will permit the assessment of the effects on the ground-water system both horizontally and vertically. This new hydrologic information will permit a more extensive evaluation than was possible at the southwest spray field, where the investigation began 6 years after irrigation was initiated. A limited data-collection program is planned at the southwest spray field to assess future changes resulting from application of wastewater effluent.

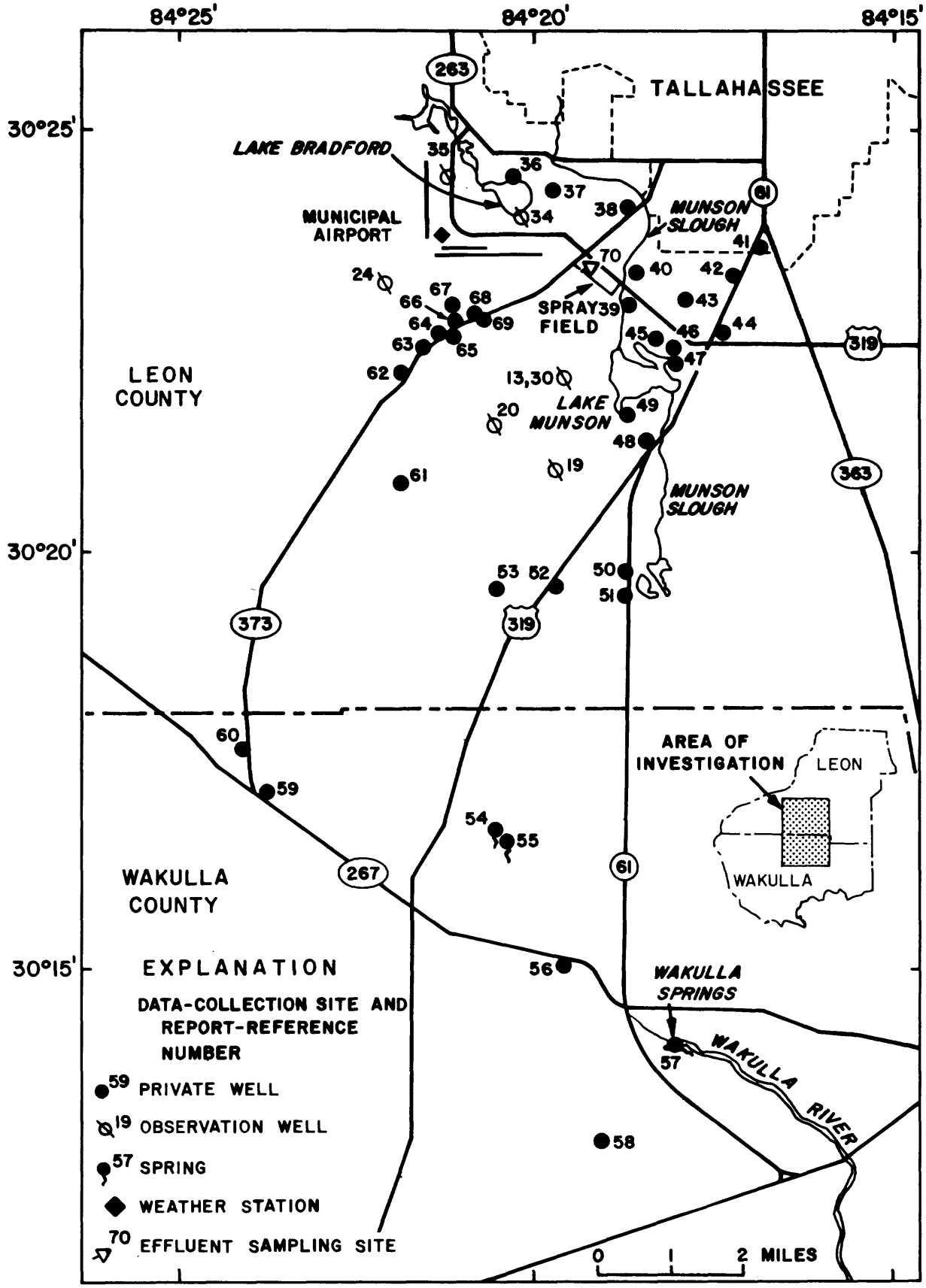

Figure 2.--Area of investigation as related to Leon and Wakulla Counties and locations of selected sampling sites for hydrologic data.

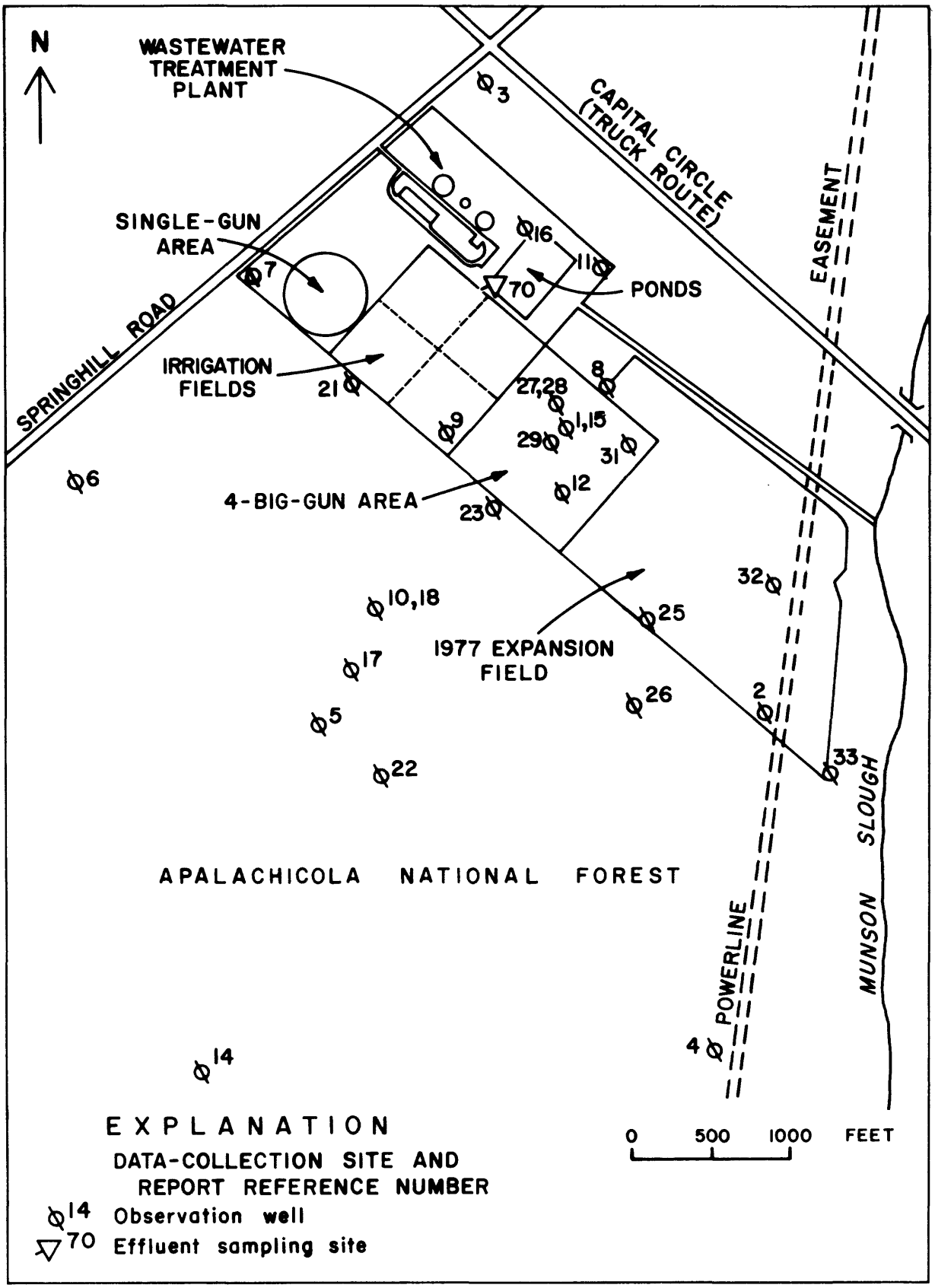

Figure 3.--Southwest spray field and location of selected sampling sites.

Acknowledgments

The assistance of many individuals is acknowledged. William G. Leseman, laboratory supervisor, and Keith Turner, chief plant operator, of the Thomas P. Smith Waste Water Renovation Plant, Tallahassee, provided water-quality analyses and monthly application volumes of wastewater effluent sprayed at the southwest field. Tom Kwader of the Northwest Florida Water Management District obtained geophysical logs. Finally, many individuals allowed access to their land for the collection of ground-water samples and measurement of water levels.

SITE-NUMBERING SYSTEM

Three numbering systems are used in this report to identify and locate data-collection sites. The first is the map site number (sites 1 through 70, figs. 2, 3, and table 1), which is the primary means of identification and location of sites used throughout the report; the second is an 8-digit number that is usually applied to stream gaging and stream-quality sampling sites; and the third is the site-ID number of the U.S. Geological Survey which consists of 15 digits that signify the latitude and longitude of a point believed to represent the location of the site. The first 6 digits of the site-ID number denote the degrees, minutes, and seconds of latitude; the next 7 digits denote the degrees, minutes, and seconds of longitude; the last 2 digits provide a sequential numbering system for sites located within a 1-second grid. Once assigned, this number does not change, even if the latitude or longitude initially taken as representing that site has changed. Hence, although the site-ID number is a unique number, it may not be an accurate latitude-longitude location indicator. The number can be used both to enter data into and to retrieve data from the National Water Data Storage and Retrieval System. Consequently, any available historic data can be obtained from computer files by using either or both the 8- or 15-digit Survey numbers. Inquiries regarding the availability of such data may be made to the U.S. Geological Survey, Suite 3015, 227 N. Bronough Street, Tallahassee, FL 32301.

METHODS OF DATA COLLECTION AND ANALYSIS

Whenever applicable, standard methods were used for data collection and analysis. Such methods are described in a series of manuals published by the U.S. Geological Survey entitled "U.S. Geological Survey Techniques of Water-Resources Investigations" (Goerlitz and Brown, 1972; Greeson and others, 1977; and Skougstad and others, 1979).

Most of the water-quality samples were bottled appropriately and sent to a laboratory for analysis immediately following collection; proper preservation methods were employed (Greeson and others, 1977; Friedman and Beetem, 1979). Analyses were made at one of three laboratories: the City of Tallahassee Water-Quality Laboratory in Tallahassee, Fla.; the U.S. Geological Survey Atlanta Central Laboratory in Doraville, Ga.; or the U.S. Geological Survey Quality of Water Service Unit in Ocala, Fla. Analytical methods for both U.S. Geological Survey laboratories are described in Goerlitz and Brown (1972), Greeson and others (1977), and Skougstad and others (1979). Analytical methods used by the City of Tallahassee laboratory are described in American Public Health Association and others (1975).

Although the analytical methods differ, they are compatible; quality control is maintained by a quality-assurance program established between the U.S. Geological Survey and City of Tallahassee laboratories.

HYDROLOGIC AND GEOLOGIC DATA

Figures 4 through 8 show natural gamma logs for selected sites in the area being sprayed. Lithologic logs and gamma logs obtained earlier in the investigation for 27 other sites in or near the southwest spray field are given in an earlier report (Slack, 1975). Such logs are used to provide geohydrologic information of the subsurface. Figure 9 shows that monthly maximum and minimum ground-water levels for site 1 varied significantly throughout the period of record: the maximum was 30.46 feet above NGVD of 1929 (April 1973), and the minimum was 17.47 feet (December 1972), a difference of 12.99 feet.

Table 1 presents physical descriptions and names of data-collection sites. Many of the data-collection sites are residential wells near the southwest spray field. Verification of the total well depths, casing depths, and other well construction information for most of these sites was not possible. Additional well construction information for the wells given in table 1 are available from the Ground-Water Site Inventory File which is a U.S. Geological Survey computer system for storing ground-water information.

Table 2 gives lithologic descriptions of the materials penetrated by the drilling of three wells. Similar lithologic descriptions obtained earlier in the investigation for 21 other sites are given in an earlier report (Slack, 1975). Lithologic descriptions plus geophysical logs such as those presented in figures 5-9 are needed to develop geohydrologic cross sections of the subsurface in and near the southwest spray field.

Data-collection sites equipped with continuous (digital) water-level recorders are: site 1, equipped with a continuous water-level recorder from 1972 through 1981; site 34 from 1972 through 1979; and site 35 from 1977 through 1981. Tables 3 and 4 list monthly and annual application volumes of wastewater effluent for the southwest field, respectively. The application volumes are presented for each of the four general areas shown on figure 3: the single-gun area, the 16-acre irrigation fields area, the 4-big-gun area, and the 1977 expansion field. Monthly spray irrigation volumes were highly variable for each area throughout the period of investigation. A volume exceeding 3,000 million gallons was sprayed from July 1966 through September 1981. Because of missing data, this figure is less than the actual volume sprayed.

Table 5 lists the nitrifier and denitrifier bacteria found in soil samples. Table 6 presents water-quality data for 70 sites; these include wells, springs, and effluent. Well depths and discharge are included for some sites. Seventeen data sampling sites are identified as in or near the four spray areas or the unlined holding ponds. Additional records are on file with the U.S. Geological Survey in Tallahassee, Fla.

REFERENCES

American Public Health Association and others, 1975, Standard methods for the examination of water and wastewater, 14th edition: New York, American Public Health Association, Inc., 1193 p.

Friedman, L. C., and Beetem, W. A., 1979, 1980 Water quality laboratory services catalog: U.S. Geological Survey Open-File Report 79-697, 186 p.

Goerlitz, D. F., and Brown, Eugene, 1972, Methods for analysis of organic substances in water: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A3, 40 p.

Greeson, P. E., Ehlke, T. A., Irwin, G. A., Lium, B. W., and Slack, K. V., 1977, Methods for collection and analysis of aquatic biological and microbiological samples: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A4, 332 p.

Overman, A. R., 1979, Effluent irrigation of coastal bermuda grass: Journal of the Environmental Engineering Division, American Society of Civil Engineers, v. 105, no. EE1, Proceedings Paper 14359, p. 55-60.

Skougstad, M. W., Fishman, M. J., Friedman, L. C., Erdmann, D. E., and Duncan, S. S., 1979, Methods for determination of inorganic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A1, 626 p.

Slack, L. J., 1975, Hydrologic environmental effect of sprayed sewage effluent, Tallahassee, Florida: U.S. Geological Survey Water-Resources Investigations 55-75, 73 p.

Tallahassee-Leon County Planning Department, 1978, Final plan report, Tallahassee-Leon County 208 Areawide Waste Treatment Management Plan study: Tallahassee, Fla., 336 p.

William M. Bishop Consulting Engineers, Inc., 1976, Tallahassee-Leon County Florida 201 Facilities Plan: Consultant's report to the Tallahassee-Leon County Planning Commission, in files of Tallahassee-Leon County Planning Commission, Tallahassee, Fla.

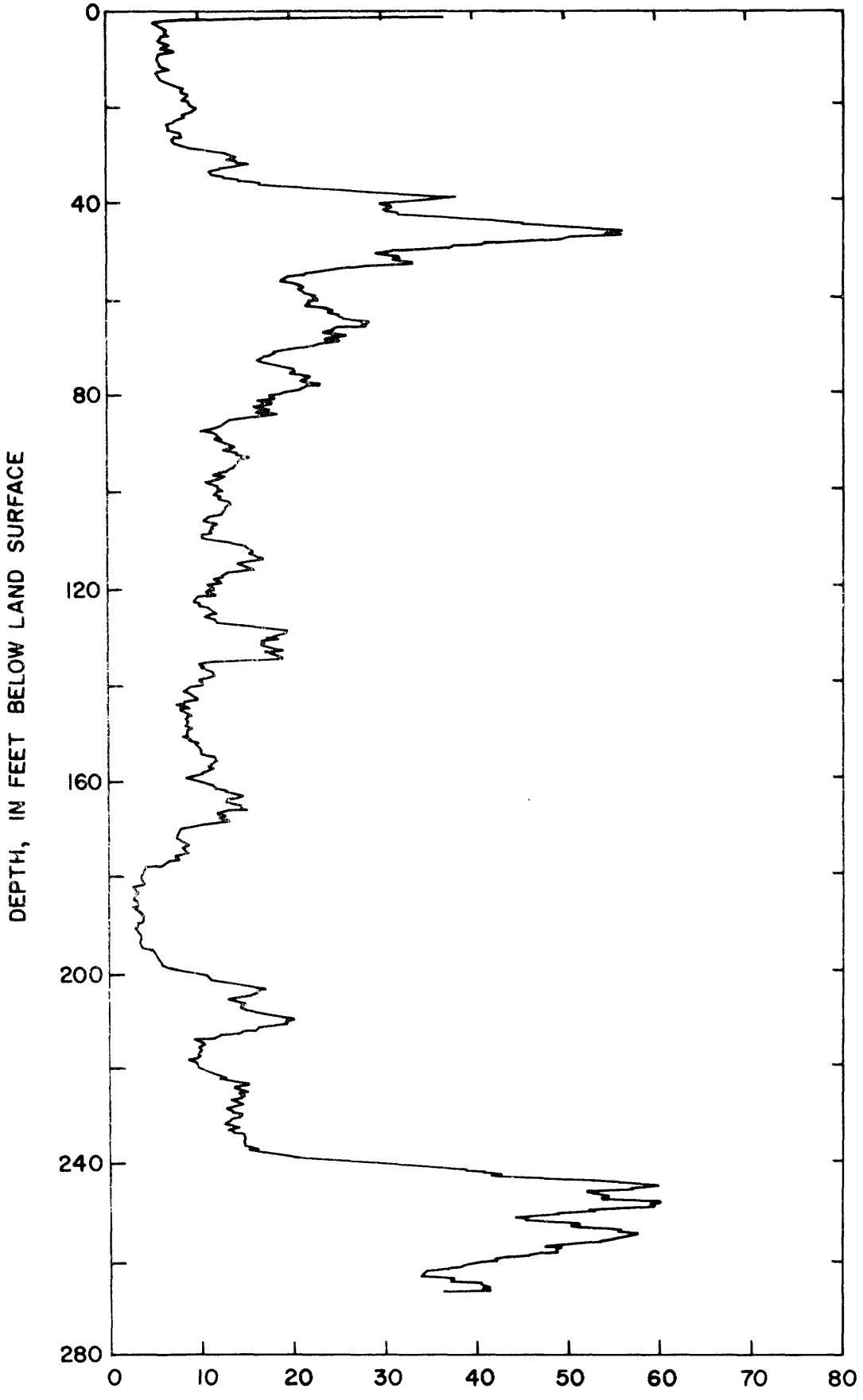

Figure 4.--Natural gamma log for site 24.

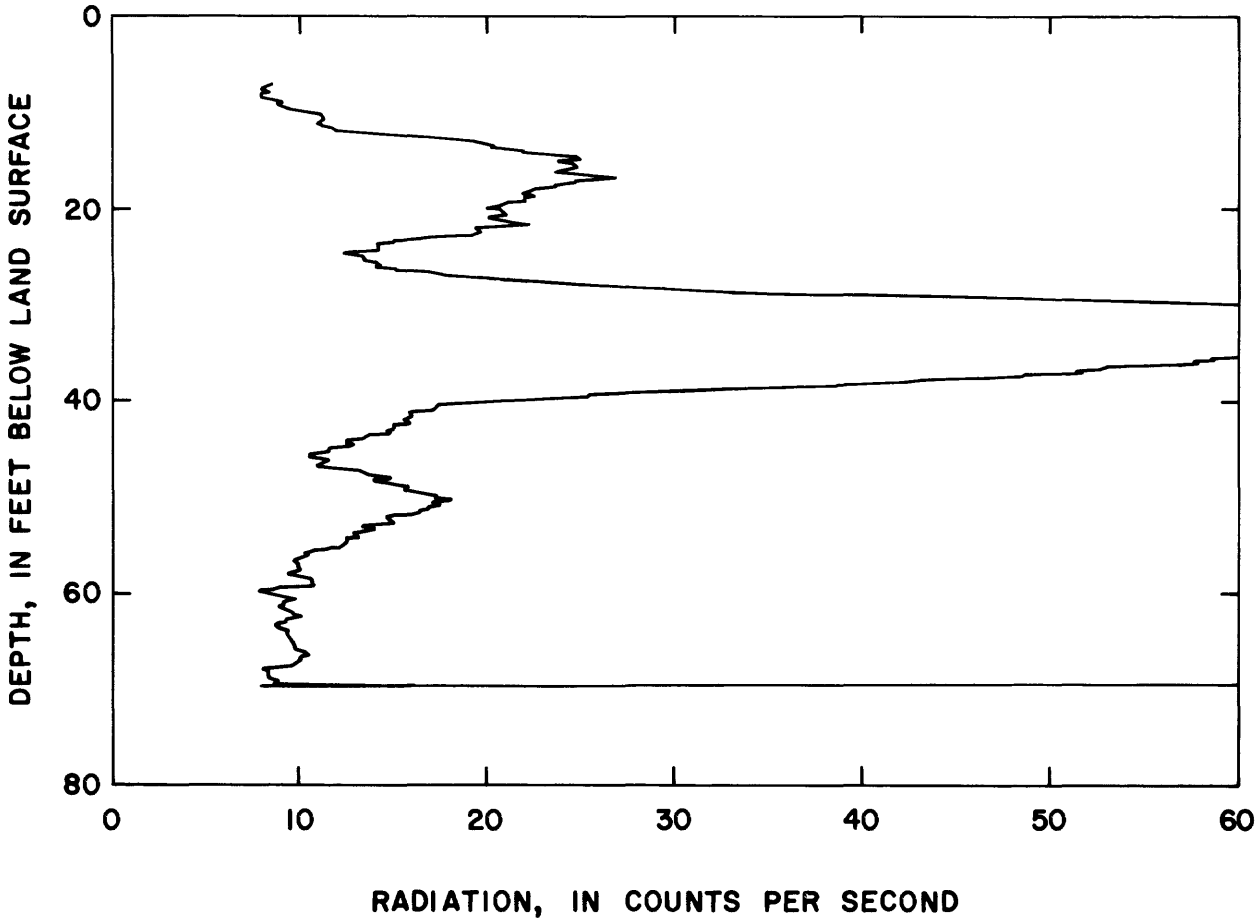

Figure 5.--Natural gamma log for site 25.

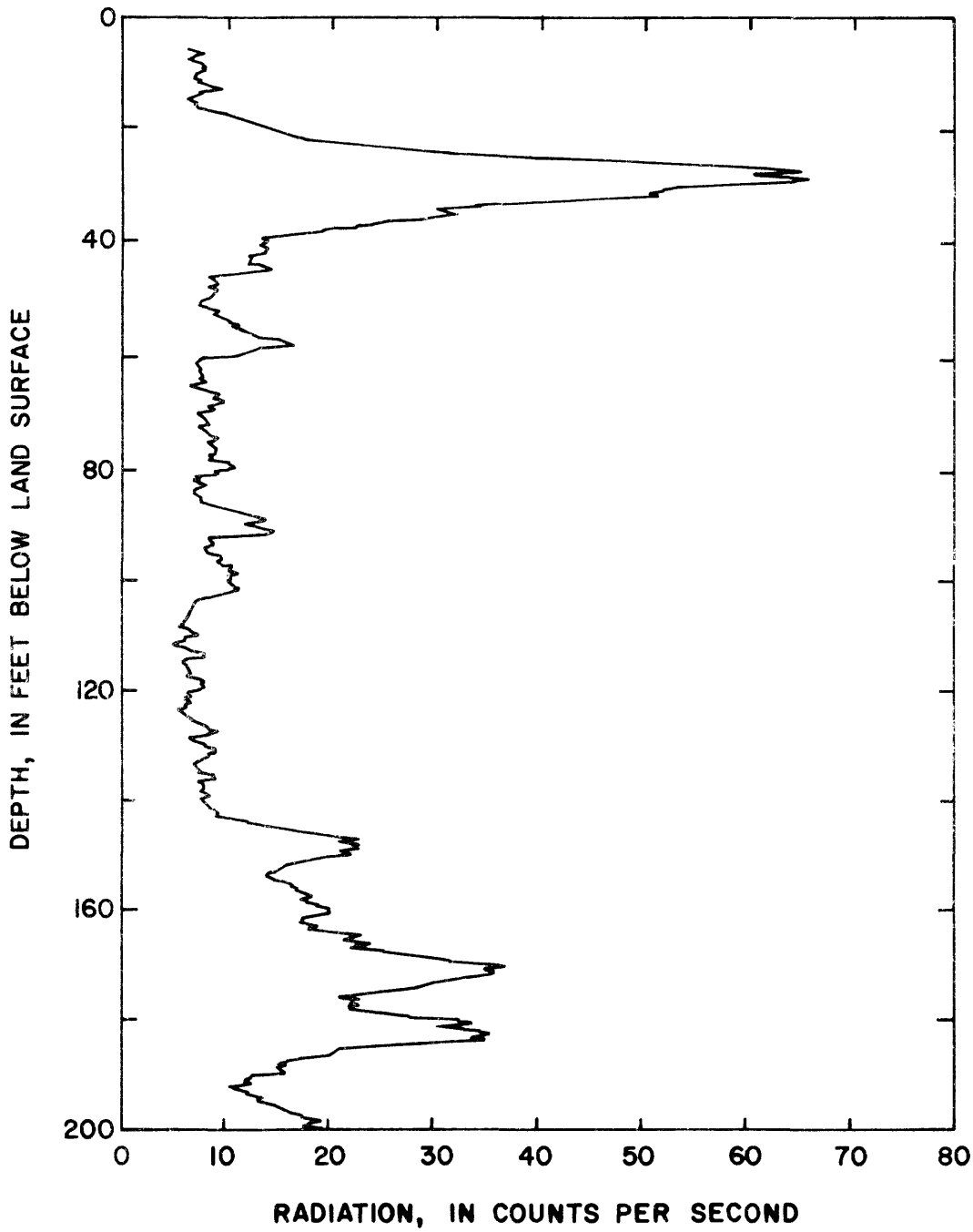

Figure 6.--Natural gamma log for site 26.

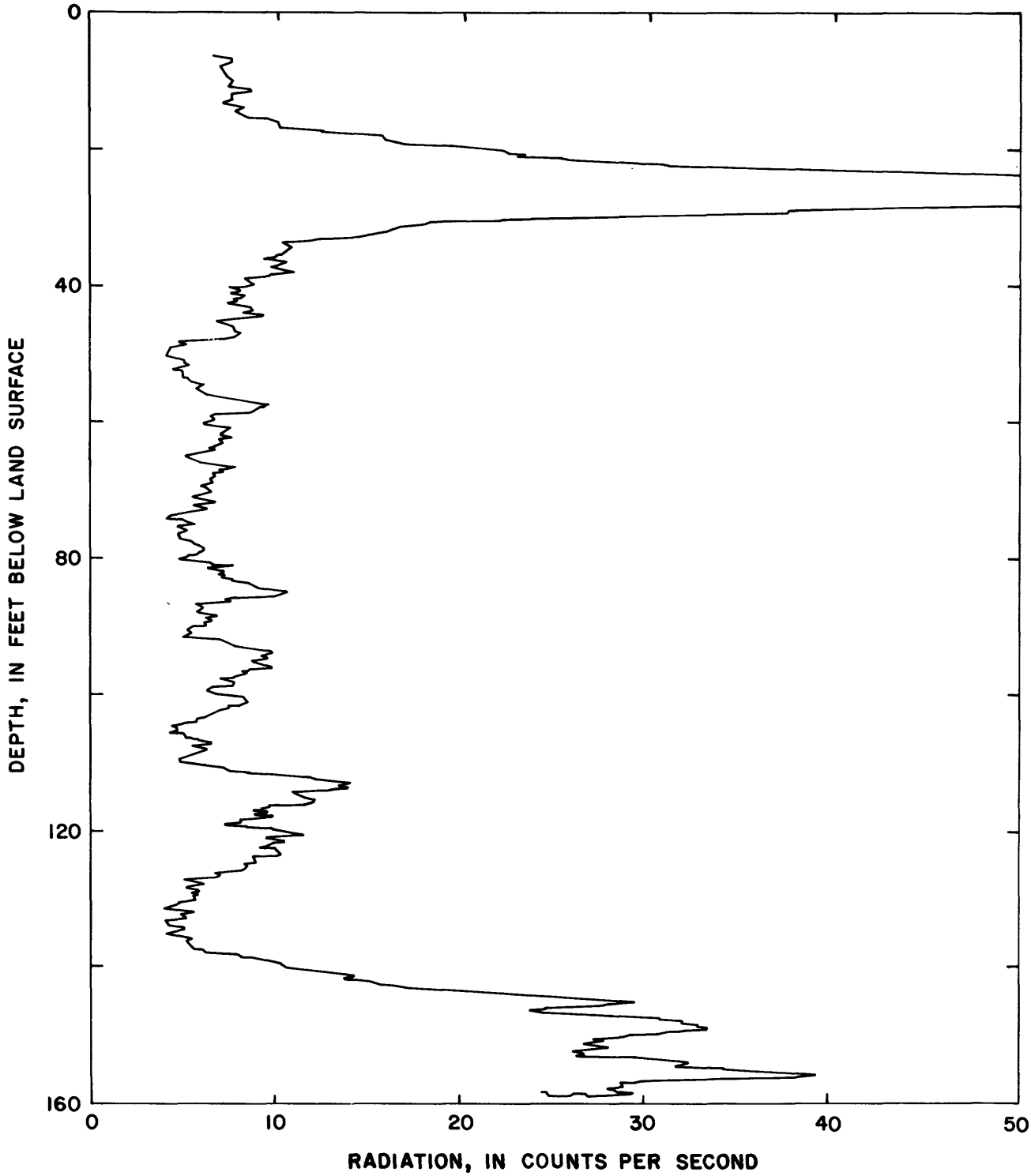

Figure 7.--Natural gamma log for site 28.

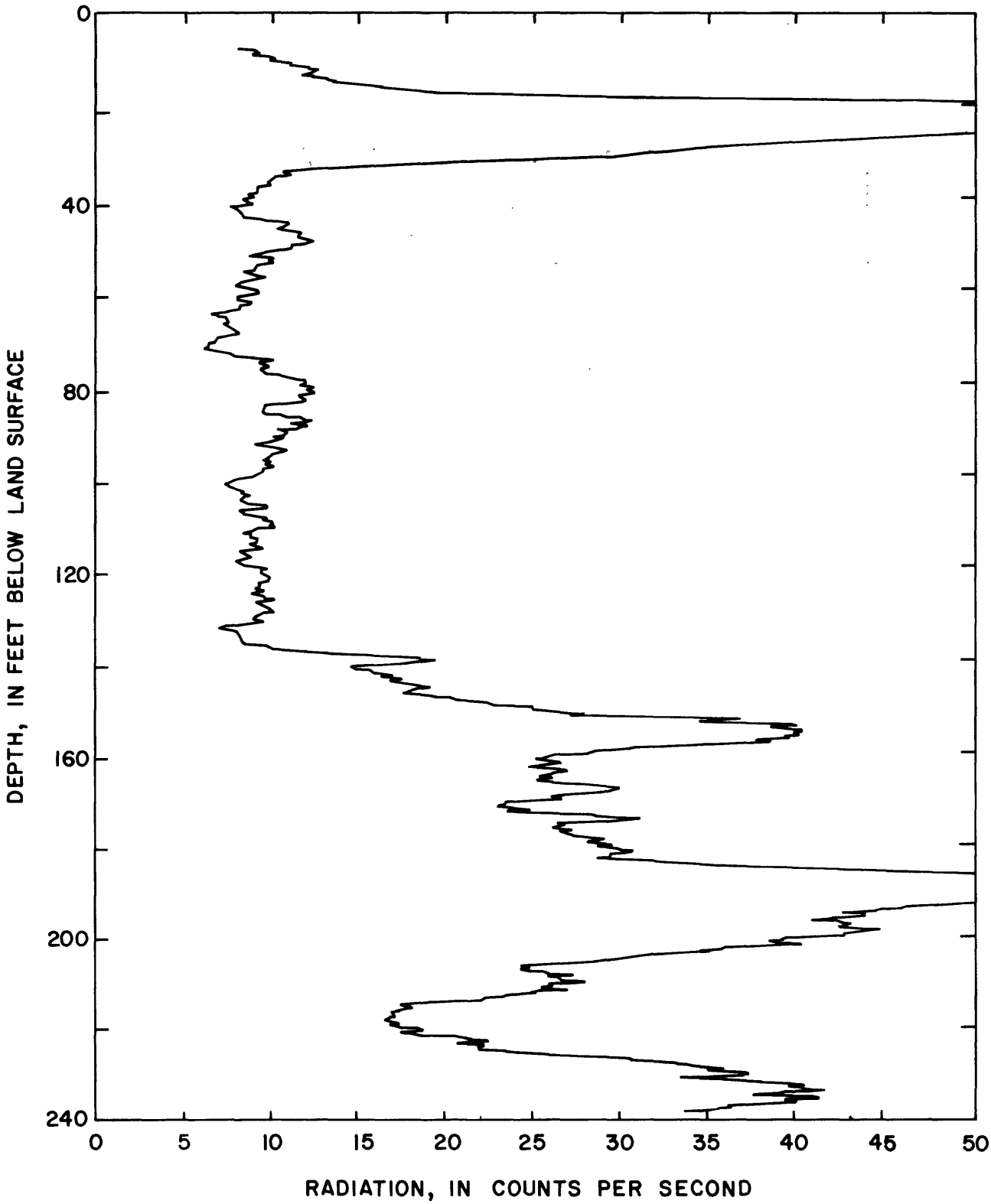

Figure 8.--Natural gamma log for site 29.

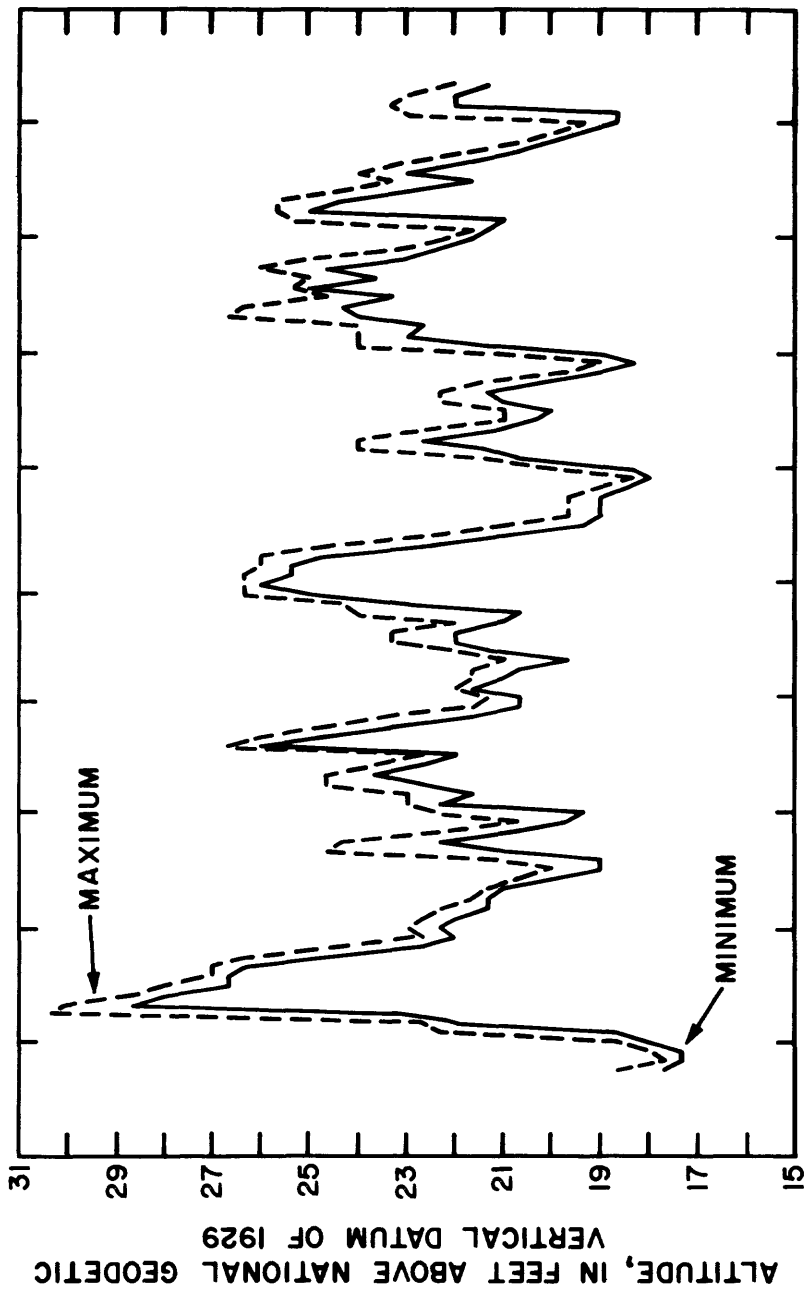

Figure 9.--Monthly minimum and maximum ground-water levels for site 1 from October 1972 through May 1981.

Table 1.--Locations and descriptions of data-collection sites

Map site No.	U.S. Geological Survey site-ID	Latitude	Longitude	Local identifier	Well: Total depth (feet)	Well: Casing depth (feet)	Well: Casing diameter (inches)	Altitude (feet): Land surface	Altitude (feet): Water level[1/]
1	302313084191301	30°23'13"	084°19'13"	USGS LS 1	61	45	4	56	21
2	302256084185801	30°22'56"	084°18'58"	USGS LS 2	75	51	4	52	22
3	302335084191901	30°23'35"	084°19'19"	USGS LS 3	104	93	4	69	[2/]
4	302235084190301	30°22'35"	084°19'03"	USGS LS 4	53	38	4	45	20
5	302233084194101	30°22'56"	084°19'30"	USGS LS 5	51	33	4	50	20
6	302308084195301	30°23'08"	084°19'53"	USGS LS 6	45	35	4	41	20
7	302322084193601	30°23'23"	084°19'36"	USGS LS 7	35	27	2	37	20
8	302316084191101	30°23'16"	084°19'11"	USGS LS 8	49	47	2	57	19
9	302313084192201	30°23'13"	084°19'22"	USGS LS 9	42	40	2	48	21
10	302301084192901	30°23'01"	084°19'29"	USGS LS 10	43	41	2	58	19
11	302323084191201	30°23'23"	084°19'12"	USGS LS 11	40	38	2	52	22
12	302309084191101	30°23'09"	084°19'11"	USGS LS 12	50	48	2	58	19
13	302206084194001	30°22'06"	084°19'40"	USGS LS 13	37	35	2	42	17
14	302234084193901	30°22'34"	084°19'39"	USGS LS 14	55	53	2	45	18
15	302313084191302	30°23'13"	084°19'13"	USGS LS 15	47	45	2	56	21
16	302325084191601	30°23'25"	084°19'16"	USGS LS 16	67	65	2	59	22
17	302258084193001	30°22'58"	084°19'30"	USGS LS 17	152	152	4	49	20
18	302301084192902	30°23'01"	084°19'29"	USGS LS 18	160	54	4	58	20
19	302122084194001	30°21'22"	084°19'40"	USGS LS 19	80	53	4	39	14
20	302135084202001	30°21'35"	084°20'20"	USGS LS 20	145	145	4	29	14

See footnotes at end of table.

Table 1.--Locations and descriptions of data-collection sites--Continued

Map site No.	U.S. Geological Survey site-ID	Latitude	Longitude	Local identifier	Well			Altitude (feet)	
					Total depth (feet)	Casing depth (feet)	Casing diameter (inches)	Land surface	Water level[1/]
21	302315084192801	30°23'15"	084°19'28"	USGS LS 21	248	247	4	58	20
22	302252084192901	30°22'52"	084°19'25"	USGS LS 22	268	267	4	49	19
23	302310084191901	30°23'10"	084°19'19"	USGS LS 23	270	240	4	53	21
24	302319084220601	30°23'19"	084°22'06"	USGS LS 24	260	244	4	106	18
25	302303084190901	30°23'03"	084°19'09"	USGS LS 25	69	54	4	61	20
26	302257084191101	30°22'57"	084°19'11"	USGS LS 26	200	194	4	53	12
27	302314084191501	30°23'14"	084°19'15"	USGS LS 27	150	[3/]	4	54	19
28	302314084191502	30°23'14"	084°19'15"	USGS LS 28	158	145	4	54	24
29	302312084191301	30°23'12"	084°19'16"	USGS LS 29	250	153	4	54	22
30	302206084194002	30°22'06"	084°19'40"	USGS LS 30	150	148	2	42	--
31	302314084190902	30°23'14"	084°19'09"	BOG 4-2	70	60	4	55	22
32	302309084185701	30°23'09"	084°18'57"	BOG 6-5	80	58	6	64	19
33	302251084185301	30°22'51"	084°18'53"	BL-3	33	23	4	41	23[4/]
34	302410084200001	30°24'07"	084°20'10"	USGS 150 (Lk Bradford)	57	57	4	38	30[4/]
35	302424084311301	30°24'27"	084°21'14"	Municipal Airport	194	190	6	67	21
36	302433084201901	30°24'33"	084°20'19"	L. D. Singleton	100	70	4	37	21
37	302418084195501	30°24'18"	084°19'55"	Wilson	--	--	4	48	28
38	302409084183801	30°24'09"	084°18'38"	Cleve Jones	--	--	4	64	--
39	302306084184901	30°23'06"	084°18'49"	Animal Shelter	125	80	4	41	20
40	302326084184001	30°23'26"	084°18'40"	Robert Postell	--	--	4	45	21

See footnotes at end of table.

Table 1.--Locations and descriptions of data-collection sites--Continued

Map site No.	U.S. Geological Survey site-ID	Latitude	Longitude	Local identifier	Well			Altitude (feet)	
					Total depth (feet)	Casing depth (feet)	Casing diameter (inches)	Land surface	Water level[1/]
41	302341084165701	30°23'41"	084°16'57"	Foursquare Church	--	--	--	80	--
42	302321084171601	30°23'21"	084°17'16"	Johnson	--	--	4	50	13
43	302324084175701	30°23'24"	084°17'57"	William Jones	262	256	4	74	20
44	302241084172801	30°22'41"	084°17'28"	Cox Gas Station	--	--	--	50	--
45	302235084181601	30°22'35"	084°18'16"	Baxley	--	--	--	45	19
46	302234084180301	30°22'34"	084°18'03"	Mike Gill	--	--	--	45	--
47	302219084180101	30°22'19"	084°18'01"	Morris Singletary	--	--	4	25	17
48	302125084182301	30°21'25"	084°18'23"	Carmen G. Hiers	100	--	4	27	14
49	302137084184701	30°21'37"	084°18'47"	Neil Gray	--	--	4	40	--
50	301953084184301	30°19'53"	084°18'43"	Glover	--	--	4	20	5
51	301930084184201	30°19'30"	084°18'42"	St. Peters Church	--	--	4	20	6
52	301935084194701	30°19'35"	084°19'47"	Messer	--	--	--	25	16
53	301935084203501	30°19'35"	084°20'35"	Wallace	--	--	--	25	9
54	301643084203400[5/]	30°16'43"	084°20'34"	Kini Spring	--	--	--	10	--
55	301636084202800[5/]	30°16'36"	084°20'28"	River Sink Spring	--	--	--	10	--
56	301507084192801[6/]	30°15'07"	084°19'28"	Bethel Church	--	--	4	15	--
57	301407084181000[6/]	30°14'05"	084°18'10"	Wakulla Springs	--	--	--	5	--
58	301301084190201	30°13'01"	084°19'02"	Hugh McCallister	--	--	4	15	--
59	301707084234301	30°17'07"	084°23'43"	Glen Miller	--	--	4	50	--
60	301741084240301	30°17'41"	084°24'03"	Hudson	--	--	4	65	--

See footnotes at end of table.

Table 1.--Locations and descriptions of data-collection sites--Continued

Map site No.	U.S. Geological Survey site-ID	Latitude	Longitude	Local identifier	Well			Altitude (feet)	
					Total depth (feet)	Casing depth (feet)	Casing diameter (inches)	Land surface	Water level[1/]
61	302056084214901	30°20'56"	084°21'49"	Henry Bratcher	80	--	4	46	6
62	302212084214901	30°22'12"	084°21'49"	Minnick	--	--	4	25	13
63	302228084213401	30°22'28"	084°21'34"	James R. Mims	--	--	2	35	14
64	302233084212501	30°22'33"	084°21'25"	Tom Greene	--	--	4	40	--
65	302337084211301	30°22'37"	084°21'13"	Betty Kelly	160	--	4	33	15
66	302250084210501	30°22'50"	084°21'05"	John D. Gray	--	--	--	50	--
67	302257084210901	30°22'57"	084°21'09"	Marvin C. Gray	--	33	4	60	15
68	302252084204901	30°22'52"	084°20'49"	Joe Messenger	--	--	4	45	15
69	302251084204201	30°22'51"	084°20'42"	Tom Golden, Sr.	--	--	--	45	--
70	302322084192000	30°23'22"	084°19'20"	Effluent sampling site	--	--	--	--	--

[1/] Measurements spanned September 1972 through March 1981.
[2/] Dry hole.
[3/] Casing removed 11/05/75.
[4/] Measured 05/19/60.
[5/] River Sink Spring also has water-quality data filed under 02326997.
[6/] Wakulla Springs also has water-quality data filed under 02327000.

Table 2.--Lithologic descriptions of sites 27, 29, and 33

Depth (ft)	Lithology
	Site 27[1/]
0-22	SAND, clear to frosted, stain pale yellowish orange, fine to coarse, angular to subrounded, very argillaceous.
22-27	CLAY, dark yellowish orange, very sandy; clay, white, very dense; sand, same as above, 50 percent.
27-35	CLAY, grayish orange, sandy, 60 percent; sand, clear to frosted, subangular to rounded, medium to coarse (mostly coarse), argillaceous; limestone, white, finely granular, hard, black mineral inclusions, chalky, poor to medium porosity, nonfossiliferous, 5 percent.
35-45	SAND, clear to frosted, stained very pale orange, fine to coarse (mostly medium), angular to rounded, argillaceous; phosphorite.
45-60	SAND, same as above, but mostly coarse.
60-80	MARL, white to yellowish gray, very (finely) sandy, calcareous, silty, nonfossiliferous.
80-90	LIMESTONE, white to yellowish gray, hard, slightly sandy, slightly moldic, porous, nonfossiliferous.
90-100	SAND, clear to frosted, stained very pale orange, argillaceous, coarse, subangular to rounded, 60 percent; limestone, yellowish gray, crystalline to granular, hard, moldic, porous, slightly sandy, nonfossiliferous.
100-106	CLAY, grayish orange, very sandy, 80 percent; limestone, white to yellowish gray, granular, moldic, hard, rubbly, chalky, sandy, very porous, no identifiable fossils except echinoid spine fragment (?); limestone, pinkish gray, crystalline, hard, "smooth," medium porosity, slightly moldic, nonfossiliferous; sand, same as above.
106-110	LIMESTONE, same as above, 75 percent rubbly type.

See footnotes at end of table.

Table 2.--Lithologic descriptions of sites 27, 29, and 33--Continued

Depth (ft)	Lithology
	Site 27[1/]
110-120	LIMESTONE, same as above, but also fossiliferous (bryozoan, echinoid spines, forams, shell fragments), 50 percent; sand, frosted, coarse, subrounded to rounded, 50 percent.
120-130	CLAY, moderate yellowish brown, very dense, slightly sandy, 75 percent; sand, clear to frosted, stained yellowish brown, medium to coarse (mostly coarse), argillaceous.
130-140	LIMESTONE, very pale orange to white granular, soft to hard, extremely moldic, porous, sandy, conglomeratic appearance, chalky, fossiliferous.
	Site 29[1,2/]
32-35	SAND, clear to frosted, fine to coarse (mostly medium), very argillaceous, angular to subangular, 55 percent; clay, light brown.
35-50	LIMESTONE, white, micritic, finely sandy, chalky, very porous, moldic, hard to soft, cancellaria, 90 percent; clay, grayish yellow, sandy; clear to frosted, fine, angular to subangular.
50-70	LIMESTONE, white "clastic," crystalline (possibly recrystallized), very porous, hard, miliolids (?).
70-80	LIMESTONE, same as above; finely broken miliolids (?), 90 percent; clay, grayish yellow (40) to grayish olive (47).
80-100	SAND, fine to coarse (mostly medium), clear to frosted, angular to subrounded, 90 percent; limestone, white, same as above; phosphorite (very small quantity).
100-110	LIMESTONE, white, crystalline, hard, dense, 85 percent, no fossils found; sand, clear to frosted, medium, angular to subrounded.

See footnotes at end of table.

Table 2.--Lithologic descriptions of sites 27, 29, and 33--Continued

Depth (ft)	Lithology
	Site 29[1,2/]
110-135	LIMESTONE, white, crystalline, hard, very porous, slightly moldic, some fragments, sandy, fossiliferous--Operculinoides (abundant), also shell fragments; sand, medium, same as above.
135-141	SAND, fine to coarse, mostly medium, clear to frosted, angular to subrounded, 60 percent, limestone, same as above, abundance of microfossils--also few shell fragments; Lepidocyclina, Operculinoides, nummulites (?).
	Site 33[3/]
0-10	SAND, gray.
10-25	CLAY, gray, plastic.
25-36	SAND, yellow; clay, with little limestone.

[1/] Lithologic description by Jeffrey Wagner (written commun., 1981), Northwest Florida Water Management District (formerly with U.S. Geological Survey).

[2/] Lithologic descriptions are not available for depths below 141 feet.

[3/] Driller's notes.

Table 3.--Monthly spray-irrigation volumes for the southwest spray field, 1966-81

[Volumes are in million gallons. Records prior to 1977 are approximate. Sums are not computed for periods of no record. Months with no record are indicated by --]

Month	Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Monthly sum, all areas
July	1966	7.2	8	0	0	15.2
August	1966	7.2	8	0	0	15.2
September	1966	7.2	8	0	0	15.2
October	1966	7.2	8	0	0	15.2
November	1966	7.2	8	0	0	15.2
December	1966	7.2	8	0	0	15.2
January	1967	7.2	8	0	0	15.2
February	1967	7.2	8	0	0	15.2
March	1967	7.2	8	0	0	15.2
April	1967	7.2	8	0	0	15.2
May	1967	7.2	8	0	0	15.2
June	1967	7.2	8	0	0	15.2
July	1967	7.2	8	0	0	15.2
August	1967	7.2	8	0	0	15.2
September	1967	7.2	8	0	0	15.2
October	1967	7.2	8	0	0	15.2
November	1967	7.2	8	0	0	15.2
December	1967	7.2	8	0	0	15.2
January	1968	7.2	8	0	0	15.2
February	1968	7.2	8	0	0	15.2
March	1968	7.2	8	0	0	15.2
April	1968	7.2	8	0	0	15.2
May	1968	7.2	8	0	0	15.2
June	1968	7.2	8	0	0	15.2
July	1968	7.2	8	0	0	15.2
August	1968	7.2	8	0	0	15.2
September	1968	7.2	8	0	0	15.2
October	1968	7.2	8	0	0	15.2
November	1968	7.2	8	0	0	15.2
December	1968	7.2	8	0	0	15.2

Table 3.--Monthly spray-irrigation volumes for the southwest spray field, 1966-81--Continued

Month	Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Monthly sum, all areas
January	1969	7.2	8	0	0	15.2
February	1969	7.2	8	0	0	15.2
March	1969	7.2	8	0	0	15.2
April	1969	7.2	8	0	0	15.2
May	1969	7.2	8	0	0	15.2
June	1969	7.2	8	0	0	15.2
July	1969	7.2	8	0	0	15.2
August	1969	7.2	8	0	0	15.2
September	1969	7.2	8	0	0	15.2
October	1969	7.2	8	0	0	15.2
November	1969	7.2	8	0	0	15.2
December	1969	7.2	8	0	0	15.2
January	1970	7.2	8	0	0	15.2
February	1970	7.2	8	0	0	15.2
March	1970	7.2	8	0	0	15.2
April	1970	7.2	8	0	0	15.2
May	1970	7.2	8	0	0	15.2
June	1970	7.2	8	0	0	15.2
July	1970	7.2	8	0	0	15.2
August	1970	7.2	8	0	0	15.2
September	1970	7.2	8	0	0	15.2
October	1970	7.2	8	0	0	15.2
November	1970	7.2	8	0	0	15.2
December	1970	7.2	8	0	0	15.2
January	1971	7.2	8	0	0	15.2
February	1971	7.2	8	0	0	15.2
March	1971	7.2	8	0	0	15.2
April	1971	7.2	8	0	0	15.2
May	1971	7.2	8	0	0	15.2
June	1971	7.2	8	0	0	15.2
July	1971	7.2	8	0	0	15.2
August	1971	7.2	8	0	0	15.2
September	1971	7.2	8	0	0	15.2
October	1971	7.2	8	0	0	15.2
November	1971	7.2	8	0	0	15.2
December	1971	7.2	8	0	0	15.2

Table 3.--Monthly spray-irrigation volumes for the southwest spray field, 1966-81--Continued

Month	Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Monthly sum, all areas
January	1972	7.0	8	0	0	15.0
February	1972	7.0	8	0	0	15.0
March	1972	7.0	8	30	0	45.0
April	1972	7.0	8	30	0	45.0
May	1972	7.0	8	30	0	45.0
June	1972	7.0	8	30	0	45.0
July	1972	7.0	8	30	0	45.0
August	1972	7.0	8	30	0	45.0
September	1972	7.0	8	30	0	45.0
October	1972	7.0	8	30	0	45.0
November	1972	7.0	8	30	0	45.0
December	1972	7.0	8	30	0	45.0
January	1973	7.0	8	30	0	45.0
February	1973	0.0	9	30	0	39.0
March	1973	0.0	9	30	0	39.0
April	1973	0.0	9	30	0	39.0
May	1973	0.0	9	30	0	39.0
June	1973	0.0	9	30	0	39.0
July	1973	0.0	9	30	0	39.0
August	1973	0.0	9	30	0	39.0
September	1973	0.0	9	30	0	39.0
October	1973	0.0	9	30	0	39.0
November	1973	0.0	9	30	0	39.0
December	1973	0.0	9	30	0	39.0
January	1974	0.0	9	30	0	39.0
February	1974	0.0	9	30	0	39.0
March	1974	0.0	9	30	0	39.0
April	1974	0.0	9	30	0	39.0
May	1974	0.0	9	30	0	39.0
June	1974	0.0	9	30	0	39.0
July	1974	0.0	9	30	0	39.0
August	1974	0.0	--	0	0	--
September	1974	0.0	--	0	0	--
October	1974	0.0	--	0	0	--
November	1974	0.0	--	0	0	--
December	1974	0.0	--	0	0	--

Table 3.--Monthly spray-irrigation volumes for the southwest spray field, 1966-81--Continued

Month	Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Monthly sum, all areas
January	1975	0.0	--	0	0	--
February	1975	0.0	--	0	0	--
March	1975	0.0	--	0	0	--
April	1975	0.0	--	0	0	--
May	1975	0.0	--	0	0	--
June	1975	0.0	--	0	0	--
July	1975	0.0	--	0	0	--
August	1975	0.0	--	0	0	--
September	1975	0.0	--	0	0	--
October	1975	0.0	--	0	0	--
November	1975	0.0	--	0	0	--
December	1975	0.0	--	0	0	--
January	1976	0.0	--	0	0	--
February	1976	0.0	--	0.218	0	--
March	1976	0.0	--	0.252	0	--
April	1976	0.0	16.98	18.310	0	35.29
May	1976	0.0	--	0.00	0	--
June	1976	0.0	--	0.332	0	--
July	1976	0.0	--	--	0	--
August	1976	0.0	--	--	0	--
September	1976	0.0	--	--	0	--
October	1976	0.0	--	--	0	--
November	1976	0.0	--	--	0	--
December	1976	0.0	--	--	0	--
January	1977	0.0	--	--	0	--
February	1977	0.0	--	--	0	--
March	1977	0.0	1.30	3.390	0	4.69
April	1977	0.0	6.98	13.520	0	20.50
May	1977	0.0	4.58	7.410	0	11.99
June	1977	0.0	5.08	6.110	0	11.19
July	1977	0.0	3.44	9.760	0	13.20
August	1977	0.0	4.09	7.670	0	11.76
September	1977	0.0	4.00	7.000	0	11.00
October	1977	0.0	3.57	9.650	0	13.22
November	1977	0.0	3.07	5.390	0	8.46
December	1977	0.0	3.82	4.060	4.59	12.47

Table 3.--Monthly spray-irrigation volumes for the southwest spray field, 1966-81--Continued

Month	Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Monthly sum, all areas
January	1978	2.430	4.330	5.750	3.990	16.500
February	1978	2.250	3.970	3.870	0.000	10.090
March	1978	1.360	2.120	3.400	7.720	14.600
April	1978	1.410	1.620	3.230	7.950	14.210
May	1978	1.530	1.790	3.110	8.260	14.690
June	1978	1.300	1.600	4.180	19.300	26.380
July	1978	1.130	1.340	1.640	9.860	13.970
August	1978	1.160	1.810	1.580	4.600	9.150
September	1978	1.690	2.100	5.010	16.900	25.700
October	1978	4.850	4.740	5.560	26.380	41.530
November	1978	4.750	4.440	5.850	23.780	38.820
December	1978	4.150	4.790	6.250	23.600	38.790
January	1979	1.330	2.630	4.750	18.200	27.910
February	1979	2.070	2.650	3.780	17.490	25.990
March	1979	4.320	4.330	5.420	23.380	37.450
April	1979	2.280	2.370	3.210	13.800	21.660
May	1979	1.830	0.000	3.100	7.400	12.330
June	1979	3.830	0.000	4.740	17.900	26.470
July	1979	4.450	0.000	4.730	10.350	19.530
August	1979	4.250	0.000	2.300	7.610	14.160
September	1979	0.300	0.000	0.000	0.930	1.230
October	1979	2.100	0.000	0.000	9.970	12.070
November	1979	.450	0.000	0.000	3.440	3.890
December	1979	.450	0.000	0.000	5.170	5.620
January	1980	1.260	0.000	0.000	7.330	8.590
February	1980	0.000	0.000	0.000	0.000	0.000
March	1980	0.148	0.816	6.610	17.980	25.554
April	1980	1.048	0.000	2.640	12.330	16.018
May	1980	2.730	2.329	4.200	11.100	20.359
June	1980	2.070	2.359	5.030	5.680	15.139
July	1980	0.298	0.000	0.169	5.560	6.027
August	1980	0.890	0.746	1.510	7.070	10.216
September	1980	1.820	2.055	3.070	3.980	10.925
October	1980	2.580	1.510	2.470	4.510	11.070
November	1980	1.860	1.171	1.610	7.340	11.981
December	1980	0.920	0.000	2.260	12.320	15.500

Table 3.--Monthly spray-irrigation volumes for the southwest spray field, 1966-81--Continued

Month	Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Monthly sum, all areas
January	1981	0.000	0.799	5.510	29.740	36.049
February	1981	0.000	0.000	5.154	27.680	32.834
March	1981	0.000	0.000	3.816	9.900	13.716
April	1981	0.000	0.000	0.000	5.210	5.210
May	1981	0.347	0.000	0.000	6.600	6.947
June	1981	0.000	0.000	0.000	6.600	6.600
July	1981	2.917	0.000	0.000	7.792	10.709
August	1981	1.625	0.000	0.000	2.132	3.757
September	1981	4.258	0.000	0.000	16.020	20.278

Table 4.--Annual spray-irrigation volumes for the southwest spray field, 1966-81

[Volumes are in million gallons. Records prior to 1977 are approximate. Sums are not computed for periods of no record. Years with no record are indicated by --]

Year	Single gun area	Irrigation fields area	4-big gun area	1977 expansion area	Yearly sum, all areas
1966	43.200	48.000	0.000	0.000	91.200
1967	86.400	96.000	0.000	0.000	182.400
1968	86.400	96.000	0.000	0.000	182.400
1969	86.400	96.000	0.000	0.000	182.400
1970	86.400	96.000	0.000	0.000	182.400
1971	86.400	96.000	0.000	0.000	182.400
1972	84.000	96.000	300.000	0.000	480.000
1973	7.000	107.000	360.000	0.000	474.000
1974	0.000	63.000	210.000	0.000	273.000
1975	0.000	--	0.000	0.000	--
1976	0.000	17.980	19.112	0.000	36.092
1977	0.000	39.930	73.960	4.590	118.480
1978	28.010	34.650	49.430	152.340	264.430
1979	28.660	11.980	32.030	135.640	208.310
1980	15.624	10.986	29.569	95.200	151.379
1981	9.147	0.799	14.480	111.674	136.100

Table 5.--Nitrifier and denitrifier bacteria in soil samples, September 1977 to June 1978

[Samples were collected next to sites indicated. Analyses for samples collected in July 1973 are given in Slack (1975). The results were obtained using the multiple-tube technique and are reported per 100 ml. e = estimated values]

Report reference No.	Nitrifiers		Denitrifiers
	Nitrosomonas	Nitrobacter	
	September 12-15, 1977		
1	1,100,000	14,000	2,400,000
3	15,000	e2,000	7,500
5	3,000	2,400,000	3,000
9	24,000	e2,800	--
20	30	640	40
25	30	1,200	30
28	430	e1,100	240,000
	November 1-4, 1977		
1	400,000	1,500,000	1,100,000
3	2,300	300	300
5	15,000	300	2,300
9	2,400,000	3,000	460,000
19	900	e1,100	300
20	300	2,100	300
25	300	15,000	300
26	300	240,000	240,000
28	240,000	6,400	240,000
	June 12-16, 1978		
1	240,000	300	240,000
3	240,000	3,900	1,400
5	300	240,000	900
6	300	110,000	300
19	2,300	300	900
20	9,300	300	300
25	2,300	300	1,100
26	300	9,300	400
28	240,000	2,300	240,000

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70

Site 1 in 4-big-gun area

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
OCT , 1972										
27...	--	61	--	640	--	--	--	--	--	--
31...	1400	61	--	615	--	--	.050	--	.08	--
NOV										
03...	1400	61	--	600	--	--	.030	--	.00	--
JUN , 1973										
07...	1400	61	--	480	7.1	--	.010	--	.69	--
JUL										
24...	1130	61	20.0	529	7.5	--	.110	--	.11	--
OCT										
01...	1300	61	--	560	7.4	.020	--	.36	--	.009
NOV										
07...	1100	61	--	596	7.9	--	--	--	--	--
MAY , 1974										
09...	1020	61	--	631	--	--	.020	--	.14	--
AUG										
27...	1020	61	21.0	370	--	--	.020	--	.00	--
APR , 1975										
08...	1500	61	21.0	400	7.5	--	.010	--	.03	--
JUN										
24...	1040	61	--	396	8.0	--	.010	--	.10	--
OCT										
09...	1015	61	21.0	360	7.3	--	.010	--	.11	--
JAN , 1976										
28...	1100	61	21.5	346	7.8	--	.020	--	.06	--
JUN										
08...	1300	61	21.5	393	7.5	--	.030	--	.02	--
AUG										
31...	1200	61	21.0	457	--	--	.010	--	.06	--
DEC										
16...	1030	61	23.0	376	7.4	--	.020	--	E.00	--
MAR , 1977										
16...	1000	61	--	329	--	--	.010	--	.02	--
JUN										
22...	1300	61	22.0	--	--	--	<.010	--	.07	--
SEP										
12...	1500	61	23.0	405	--	--	.010	--	.03	--
NOV										
01...	1515	61	22.0	420	--	--	.020	--	.03	--
MAR , 1978										
01...	1345	61	21.5	384	7.4	--	.010	--	.00	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT , 1972										
27...	--	--	--	--	--	--	--	--	--	--
31...	.007	--	23	.13	23	23	--	--	.017	--
NOV										
03...	.008	--	24	--	--	--	--	--	.028	--
JUN , 1973										
07...	<.010	--	14	--	--	--	--	--	.010	.0
JUL										
24...	.032	--	13	--	--	13	--	--	.010	.3
OCT										
01...	--	20.2	--	--	--	--	.017	.030	--	--
NOV										
07...	--	--	--	--	--	--	--	--	--	.4
MAY , 1974										
09...	.010	--	18	--	--	18	--	--	.020	--
AUG										
27...	.010	--	8.8	.02	8.8	8.8	--	--	.050	.4
APR , 1975										
08...	.020	--	8.5	.04	8.5	8.6	--	--	.020	--
JUN										
24...	<.010	--	3.8	.11	3.8	3.9	--	--	.020	.2
OCT										
09...	<.010	--	4.4	.12	4.4	4.5	--	--	.020	--
JAN , 1976										
28...	.010	--	2.9	.08	2.9	3.0	--	--	.040	--
JUN										
08...	.010	--	7.5	.05	7.5	7.6	--	--	.030	.4
AUG										
31...	<.010	--	16	.07	16	16	--	--	.030	--
DEC										
16...	<.010	--	11	.02	11	11	--	--	--	--
MAR , 1977										
16...	<.010	--	2.6	.03	2.6	2.6	--	--	.030	--
JUN										
22...	<.010	--	6.6	.07	6.6	6.7	--	--	.020	.0
SEP										
12...	.010	--	5.1	.04	5.1	5.2	--	--	.030	--
NOV										
01...	<.010	--	8.0	.05	8.0	8.1	--	--	.040	--
MAR , 1978										
01...	<.010	--	8.4	.01	8.4	8.4	--	--	.050	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 1 in 4-big-gun area--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT , 1972									
27...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
NOV									
03...	--	21	3.0	24	--	--	--	--	--
JUN , 1973									
07...	0	13	6.0	19	84	78	160	54	6.5
JUL									
24...	3	24	.0	24	102	64	170	56	6.3
OCT									
01...	--	26	7.0	33	--	--	150	60	6.2
NOV									
07...	6	--	--	--	102	110	210	69	9.6
MAY , 1974									
09...	0	39	1.0	40	126	87	210	72	7.9
AUG									
27...	6	29	1.0	30	--	--	130	44	5.3
APR , 1975									
08...	--	--	.0	--	130	--	--	--	--
JUN									
24...	0	--	1.0	--	144	16	160	52	6.6
OCT									
09...	--	--	--	--	131	15	150	48	6.3
JAN , 1976									
28...	--	--	--	--	131	9	140	46	6.1
JUN									
08...	11	--	1.0	--	123	27	150	48	6.2
AUG									
31...	--	--	--	--	--	--	--	--	--
DEC									
16...	--	--	--	--	115	22	140	45	5.8
MAR , 1977									
16...	--	--	1.0	--	--	--	--	--	--
JUN									
22...	2	--	4.2	--	103	32	140	43	6.6
SEP									
12...	--	--	--	--	--	--	--	--	--
NOV									
01...	--	--	--	--	--	--	--	--	--
MAR , 1978									
01...	10	--	--	--	98	40	140	44	6.8

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT , 1972									
27...	--	--	--	--	63	--	--	--	--
31...	--	--	--	--	67	--	--	11	--
NOV									
03...	--	--	--	--	69	--	--	12	--
JUN , 1973									
07...	30	1.6	102	0	53	.1	11	9.0	357
JUL									
24...	32	2.1	124	0	48	.1	13	8.7	325
OCT									
01...	34	3.6	--	0	52	--	--	--	--
NOV									
07...	33	4.5	124	0	57	--	--	--	--
MAY , 1974									
09...	44	3.5	153	0	50	--	32	--	462
AUG									
27...	20	2.3	--	--	20	--	--	--	--
APR , 1975									
08...	--	--	158	0	23	<.1	13	--	224
JUN									
24...	20	2.1	176	0	24	.1	13	7.3	232
OCT									
09...	18	1.8	160	0	20	.1	11	7.1	212
JAN , 1976									
28...	19	1.5	160	0	19	<.1	10	6.9	199
JUN									
08...	21	2.3	150	0	24	.1	18	7.4	230
AUG									
31...	30	--	--	--	33	--	--	--	--
DEC									
16...	21	2.5	140	0	24	.1	--	7.4	234
MAR , 1977									
16...	16	--	--	--	17	--	--	--	--
JUN									
22...	21	2.3	125	0	22	<.1	14	7.5	244
SEP									
12...	21	--	--	--	28	--	--	--	--
NOV									
01...	20	--	--	--	25	--	--	--	--
MAR , 1978									
01...	20	2.4	120	0	25	.1	16	7.3	223

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 1 in 4-big-gun area--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
JUN , 1978										
19...	1455	61	23	7.1	22.0	330	7.5	<.010	.00	<.010
SEP										
12...	0945	61	18	6.7	21.5	324	7.5	.010	.10	<.010
JAN , 1979										
04...	1020	61	21	8.8	21.5	337	7.5	.010	.05	.010
30...	1420	61	12	7.3	21.5	342	7.6	.070	.00	<.010
MAR										
20...	0955	61	17	6.8	21.5	327	7.5	.010	.00	<.010
SEP										
07...	0845	61	18	7.5	21.0	343	7.5	.050	.00	--
OCT										
30...	0825	61	16	5.5	21.5	342	7.6	.070	.12	.000
NOV										
13...	1410	61	19	5.0	21.5	335	7.5	--	--	.000
DEC										
19...	1405	61	38	9.4	21.5	303	7.6	--	--	.000
FEB , 1980										
19...	1445	61	27	6.8	21.5	309	7.7	.100	.00	.000
APR										
29...	1600	61	49	7.0	21.5	301	7.6	.060	.12	.000
MAY										
27...	1605	61	73	6.4	21.5	298	7.5	.000	.10	.000
JUN										
27...	0750	61	33	6.7	21.5	290	7.6	.000	.05	.000
JUL										
29...	1445	61	35	7.0	22.0	293	7.7	.000	.05	.000
AUG										
28...	1540	61	63	7.3	22.0	295	7.6	.020	.09	.000
SEP										
11...	1520	61	35	6.8	21.5	292	7.6	.000	.08	.000
OCT										
16...	1020	61	31	7.3	21.5	290	--	.020	.11	.010
NOV										
12...	1605	61	18	7.6	22.0	280	7.7	.000	.01	.000
DEC										
02...	1600	61	21	7.1	22.0	280	7.7	.040	.02	.000
JAN , 1981										
06...	1600	61	21	7.1	22.0	269	7.8	.000	.03	.000
FEB										
02...	1645	61	22	7.5	22.0	272	7.8	.000	.02	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
JUN , 1978										
19...	3.2	<.10	3.2	3.2	.040	--	--	--	--	--
SEP										
12...	4.8	.11	4.8	4.9	.040	--	--	--	--	--
JAN , 1979										
04...	7.5	.06	7.5	7.6	.030	--	97	51	150	47
30...	7.4	.07	7.4	7.5	.040	--	--	--	--	--
MAR										
20...	5.5	.01	5.5	5.5	.100	--	--	--	--	--
SEP										
07...	--	.05	4.7	4.7	.010	--	97	33	130	42
OCT										
30...	4.8	.19	4.8	5.0	.080	--	--	--	--	--
NOV										
13...	4.2	.03	4.2	4.2	.070	--	--	--	--	--
DEC										
19...	2.1	.02	2.1	2.1	.060	--	--	--	--	--
FEB , 1980										
19...	2.3	.10	2.3	2.4	.060	--	--	--	130	41
APR										
29...	5.3	.18	5.3	5.5	.040	--	--	--	--	--
MAY										
27...	4.0	.10	4.0	4.1	.060	--	--	--	--	--
JUN										
27...	3.4	.05	3.4	3.4	.070	--	--	--	--	--
JUL										
29...	5.0	.05	5.0	5.0	.050	--	--	--	--	--
AUG										
28...	3.6	.11	3.6	3.7	.050	--	--	--	130	43
SEP										
11...	4.2	.08	4.2	4.3	.050	--	--	--	--	--
OCT										
16...	3.6	.13	3.6	3.7	.050	--	--	--	--	--
NOV										
12...	--	.01	--	--	.070	--	--	--	--	--
DEC										
02...	3.1	.06	3.1	3.2	.040	.0	--	--	110	36
JAN , 1981										
06...	2.8	.03	2.8	2.8	.050	--	--	--	--	--
FEB										
02...	3.7	.02	3.7	3.7	.060	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 1 in 4-big-gun area--Continued

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	CAR-BONATE IT-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
JUN , 1978										
19...	--	14	--	--	--	18	--	--	--	--
SEP										
12...	--	16	--	--	--	17	--	--	--	--
JAN , 1979										
04...	7.5	18	1.9	--	--	19	<.1	13	7.7	209
30...	--	--	--	--	--	20	--	--	--	--
MAR										
20...	--	--	--	--	--	19	--	--	--	--
SEP										
07...	6.1	20	1.9	--	--	23	.1	15	7.5	201
OCT										
30...	--	--	--	--	--	23	--	--	--	--
NOV										
13...	--	--	--	--	--	21	--	--	--	--
DEC										
19...	--	--	--	--	--	17	--	--	--	--
FEB , 1980										
19...	5.9	14	1.5	125	.00	17	.1	11	--	--
APR										
29...	--	--	--	125	.00	19	--	--	--	--
MAY										
27...	--	--	--	107	.00	17	--	--	--	--
JUN										
27...	--	--	--	128	.00	14	--	--	--	--
JUL										
29...	--	--	--	120	.00	15	--	--	--	--
AUG										
28...	6.1	13	1.6	105	.00	14	.1	12	--	--
SEP										
11...	--	--	--	110	.00	14	--	--	--	--
OCT										
16...	--	--	--	--	--	--	--	--	--	--
NOV										
12...	--	--	--	--	--	14	--	--	--	--
DEC										
02...	5.1	11	1.2	119	.00	13	.1	8.8	--	--
JAN , 1981										
06...	--	--	--	--	--	12	--	--	--	--
FEB										
02...	--	--	--	--	--	13	--	--	--	--

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
MAR , 1981									
11...	1405	61	21	5.6	22.0	278	7.7	.000	.09
APR									
30...	1141	61	21	--	22.0	278	7.8	.010	.00

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
MAR , 1981									
11...	.000	4.5	.09	4.5	4.6	.060	--	--	--
APR									
30...	.000	3.4	.01	3.4	3.4	.060	<.1	130	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	CAR-BONATE IT-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)
MAR , 1981								
11...	--	--	--	--	--	14	--	--
APR								
30...	5.5	11	1.1	110	.00	13	.1	12

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 1 in 4-big-gun area--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
JUN , 1973										
07...	1400	--	40	<1	<1	--	--	100	--	<2
JUL										
24...	1130	--	--	--	--	--	--	132	--	--
OCT										
01...	1300	--	--	--	--	--	--	78	--	--
NOV										
07...	1100	--	--	--	--	--	500	--	--	--
MAY , 1974										
09...	1020	--	--	--	--	--	190	--	--	--
AUG										
27...	1020	--	--	--	--	--	130	--	--	--
APR , 1975										
08...	1500	--	--	<1	--	--	100	--	--	--
JUN										
24...	1040	20	--	<1	--	--	--	--	ND	--
OCT										
09...	1015	--	--	--	--	--	--	--	--	--
JAN , 1976										
28...	1100	--	--	--	<1	--	--	--	--	2
JUN										
08...	1300	--	40	--	<1	--	--	--	--	ND
DEC										
16...	1030	--	--	--	2	<100	--	--	--	ND
JUN , 1977										
22...	1300	--	--	--	2	200	--	--	--	ND
MAR , 1978										
01...	1345	--	--	--	--	<100	--	--	--	ND
APR , 1980										
29...	1600	--	--	--	1	--	--	--	--	0
APR , 1981										
30...	1141	--	--	--	3	--	--	--	--	0

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
JUN , 1973										
07...	--	0	ND	--	ND	--	ND	--	--	--
JUL										
24...	--	--	--	--	--	--	--	--	--	--
OCT										
01...	--	--	--	--	--	--	--	--	--	--
NOV										
07...	--	--	--	--	--	--	--	--	--	--
MAY , 1974										
09...	--	--	--	--	--	--	--	--	--	--
AUG										
27...	--	--	--	--	--	--	--	--	--	--
APR , 1975										
08...	--	--	--	--	--	--	--	--	--	--
JUN										
24...	ND	0	--	ND	--	2	--	<10	--	ND
OCT										
09...	--	--	--	--	--	--	--	--	--	--
JAN , 1976										
28...	--	--	--	--	--	--	ND	--	250	--
JUN										
08...	--	--	<20	--	ND	--	ND	<10	30	--
DEC										
16...	--	--	<20	--	--	--	2	--	<10	--
JUN , 1977										
22...	--	--	<20	--	--	--	4	--	--	--
MAR , 1978										
01...	--	--	<20	--	--	--	<2	--	90	--
APR , 1980										
29...	--	--	10	--	--	--	0	--	1	--
APR , 1981										
30...	--	--	6	--	--	--	0	--	13	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 1 in 4-big-gun area--Continued

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)
JUN , 1973										
07...	2	--	<10	<10	--	--	<.5	--	<1	--
JUL										
24...	--	--	--	--	--	--	--	--	--	--
OCT										
01...	--	--	--	--	--	--	--	--	--	--
NOV										
07...	--	--	--	--	--	--	--	--	--	--
MAY , 1974										
09...	--	--	--	--	--	--	--	--	--	--
AUG										
27...	--	--	--	--	--	--	--	--	--	--
APR , 1975										
08...	--	--	--	--	--	--	--	--	--	--
JUN										
24...	--	<10	--	--	<10	<.5	--	<1	--	ND
OCT										
09...	--	--	--	--	--	--	--	--	--	--
JAN , 1976										
28...	17	--	--	<10	--	--	<.5	--	--	--
JUN										
08...	ND	--	<10	<10	--	--	<.5	--	<1	--
DEC										
16...	11	--	--	5	--	--	<.5	--	--	--
JUN , 1977										
22...	24	--	--	<10	--	--	<.5	--	--	--
MAR , 1978										
01...	3	--	--	<10	--	--	--	--	--	--
APR , 1980										
29...	0	--	--	0	--	--	.0	--	--	--
APR , 1981										
30...	0	--	--	1	--	--	.0	--	--	--

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	VANA-DIUM, TOTAL (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUN , 1973									
07...	ND	--	--	--	150	--	--	--	<20
JUL									
24...	--	--	--	--	<10	--	--	--	--
OCT									
01...	--	--	--	--	--	--	--	--	--
NOV									
07...	--	--	--	--	--	--	--	--	--
MAY , 1974									
09...	--	--	--	--	--	--	--	--	--
AUG									
27...	--	--	--	--	--	--	--	--	--
APR , 1975									
08...	--	--	--	--	--	--	--	--	--
JUN									
24...	--	<1	--	--	60	.0	--	<20	--
OCT									
09...	--	--	--	--	100	--	--	--	--
JAN , 1976									
28...	--	--	--	--	110	--	--	--	30
JUN									
08...	ND	--	<1	--	100	--	10	--	50
DEC									
16...	--	--	<1	ND	--	--	--	--	<20
JUN , 1977									
22...	--	--	<1	ND	90	--	--	--	ND
MAR , 1978									
01...	--	--	--	ND	60	--	--	--	<20
APR , 1980									
29...	--	--	2	--	--	--	--	--	5
APR , 1981									
30...	--	--	1	--	--	--	--	--	0

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
SEP , 1978									
08...	1300	.00	.00	.00	.00	.00	.00	.00	.00

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 1 in 4-big-gun area--Continued

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
SEP , 1978								
08...	.00	.00	.00	.00	.00	0	.00	.00

Site 2 in 1977 expansion field

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT , 1972								
26...	1200	75	45	--	--	--	.014	.00
FEB , 1973								
01...	1000	75	--	--	--	--	.009	.00
JUN								
08...	1200	75	37	6.2	.030	.14	.020	.00

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
OCT , 1972									
26...	.01	.010	--	--	--	--	--	--	--
FEB , 1973									
01...	--	.020	--	--	--	--	--	--	--
JUN									
08...	--	.010	4	5	11	16	5.4	.5	1.3

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT , 1972								
26...	--	--	--	2.5	--	--	1.3	--
FEB , 1973								
01...	--	--	--	--	--	--	1.4	--
JUN								
08...	.3	6	0	2.5	.1	.4	1.0	22

DATE	TIME	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)
JUN , 1973							
08...	1200	1	1	<20	ND	0	3

Site 3, Dry hole

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 4

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
NOV , 1972										
03...	1400	53	--	--	--	--	.020	--	.05	--
DEC										
15...	--	53	--	--	--	--	--	--	--	--
FEB , 1973										
01...	1000	53	20.0	--	--	--	.040	--	.10	--
MAR										
17...	--	53	--	60	--	--	--	--	--	--
APR										
12...	1340	53	--	65	7.6	--	.010	--	.15	--
MAY										
15...	1300	53	21.5	65	7.1	--	<.010	--	.17	--
JUN										
06...	1200	53	--	68	7.9	--	.030	--	.05	--
JUL										
18...	1230	53	--	58	7.3	--	<.010	--	.21	--
24...	1045	53	21.5	62	7.3	--	.010	--	.14	--
AUG										
28...	1500	53	22.0	--	--	.020	--	--	--	.005
OCT										
01...	1000	53	22.0	62	6.8	.010	--	.02	--	.008
NOV										
07...	0930	53	20.5	61	7.2	--	--	.01	--	--
DEC										
12...	1200	53	21.5	71	7.5	.010	--	.18	--	.010
JAN , 1974										
22...	1200	53	22.0	62	7.0	.060	--	--	--	.010
FEB										
12...	0930	53	22.0	67	6.7	.050	--	.08	--	<.010
MAR										
14...	0900	53	22.0	66	7.9	.030	--	.28	--	<.010
APR										
03...	0900	53	22.0	68	7.5	.010	--	--	--	<.010
JUN										
20...	0900	53	22.0	65	--	--	.030	--	.00	--
FEB , 1975										
03...	1030	53	22.0	62	8.3	--	.020	--	.00	--
APR										
08...	0900	53	22.0	55	8.3	--	.010	--	.00	--
JUN										
25...	1340	53	21.5	62	7.9	--	.020	--	.00	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
NOV , 1972										
03...	.010	--	.00	.07	.01	.08	--	--	.032	--
DEC										
15...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	.067	--	.00	--	--	--	--	--	.200	--
MAR										
17...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.002	--	.01	--	--	--	--	--	.004	.0
MAY										
15...	.006	--	.00	--	--	--	--	--	.020	.1
JUN										
06...	.008	--	.00	--	--	--	--	--	.022	.1
JUL										
18...	.005	--	.00	--	--	--	--	--	.017	.0
24...	.007	--	.00	--	--	.16	--	--	.010	.0
AUG										
28...	--	.00	--	--	--	--	<.010	.012	--	--
OCT										
01...	--	.00	--	--	--	--	.010	.028	--	--
NOV										
07...	--	--	--	--	--	--	<.010	--	--	.4
DEC										
12...	--	.02	--	--	--	--	.010	.030	--	.3
JAN , 1974										
22...	--	.00	--	--	--	--	<.010	.010	--	.2
FEB										
12...	--	.01	--	--	--	--	.010	.020	--	.0
MAR										
14...	--	.04	--	--	--	--	<.010	.010	--	.4
APR										
03...	--	.02	--	--	--	--	.010	.010	--	.0
JUN										
20...	<.010	--	.03	.03	.03	.06	--	--	.020	.1
FEB , 1975										
03...	.010	--	.03	.02	.04	.06	--	--	.010	.2
APR										
08...	<.010	--	.03	.01	.03	.04	--	--	.010	--
JUN										
25...	.010	--	.02	.02	.03	.05	--	--	.010	.3

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 4--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV , 1972										
03...	--	10	--	2.0	12	--	--	--	--	--
DEC										
15...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	--	--	--	--	--	--	--	--	--	--
MAR										
17...	--	--	--	--	--	--	--	--	--	--
APR										
12...	2	6.0	--	9.0	15	30	2	32	12	.4
MAY										
15...	0	6.0	--	4.0	10	--	--	29	11	.4
JUN										
06...	2	7.0	--	1.0	8.0	30	0	29	11	.4
JUL										
18...	--	5.0	--	.0	5.0	23	3	26	10	.3
24...	5	6.0	--	.0	6.0	28	0	27	10	.4
AUG										
28...	--	--	--	--	--	--	--	--	--	--
OCT										
01...	--	5.0	--	1.0	6.0	--	--	26	10	.3
NOV										
07...	8	6.0	--	.0	6.0	25	6	31	11	.8
DEC										
12...	2	6.0	--	3.0	9.0	30	0	27	10	.4
JAN , 1974										
22...	4	6.0	--	.0	6.0	29	0	26	10	.3
FEB										
12...	4	6.0	--	1.0	7.0	29	2	31	12	.3
MAR										
14...	3	7.0	--	.0	7.0	25	6	31	12	.3
APR										
03...	4	6.0	--	.0	6.0	29	1	31	12	.3
JUN										
20...	5	--	.0	--	--	--	--	31	12	.3
FEB , 1975										
03...	5	--	--	.0	--	31	0	31	12	.2
APR										
08...	--	--	--	.0	--	27	--	--	--	--
JUN										
25...	7	--	--	.0	--	21	5	26	10	.3

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV , 1972									
03...	--	--	--	--	2.2	--	--	4.4	--
DEC									
15...	--	--	--	--	2.5	--	--	--	--
FEB , 1973									
01...	--	--	--	--	--	--	--	4.9	--
MAR									
17...	--	--	--	--	.5	--	--	--	--
APR									
12...	1.0	.3	36	0	1.6	.2	2.4	3.9	40
MAY									
15...	1.0	.2	--	0	2.3	--	.8	4.4	47
JUN									
06...	.9	.2	36	0	1.7	.1	.4	5.0	37
JUL									
18...	1.1	.3	28	0	1.0	.1	.8	4.0	30
24...	.9	.1	34	0	1.0	.1	<1.0	4.1	30
AUG									
28...	--	--	--	--	--	--	--	4.5	--
OCT									
01...	2.0	.2	--	0	2.0	--	--	--	--
NOV									
07...	.9	.5	31	0	1.3	--	--	--	--
DEC									
12...	1.0	--	36	0	1.8	--	--	--	--
JAN , 1974									
22...	.8	.1	35	0	1.9	--	--	--	--
FEB									
12...	1.0	.3	35	0	1.4	--	--	--	--
MAR									
14...	1.0	.2	31	0	.9	--	--	--	--
APR									
03...	1.3	.7	36	0	2.3	--	--	--	--
JUN									
20...	.1	.2	--	--	1.7	<.1	1.7	--	40
FEB , 1975									
03...	.7	.4	38	0	2.1	<.1	.4	4.4	35
APR									
08...	--	--	33	0	1.1	--	--	--	--
JUN									
25...	.9	.3	26	0	1.7	<.1	.7	4.3	28

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 4--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT , 1975										
07...	1400	53	--	--	21.0	62	8.0	.010	.00	<.010
MAY , 1976										
12...	1230	53	--	--	21.5	68	--	.010	.00	.010
AUG										
25...	0930	53	--	--	21.5	64	--	.010	.02	<.010
DEC										
15...	1300	53	--	--	22.0	--	8.3	.010	.00	--
MAR , 1977										
17...	1015	53	--	--	--	60	--	<.010	.00	<.010
JUN										
15...	1230	53	--	--	21.5	--	--	<.010	.03	<.010
SEP										
15...	1045	53	--	--	23.0	84	--	<.010	.00	<.010
NOV										
03...	1025	53	--	--	21.5	83	--	.010	.00	.010
DEC										
20...	1030	53	--	--	21.5	79	--	.010	.00	<.010
MAY , 1978										
31...	0805	53	30	6.0	21.5	68	8.4	.020	.00	<.010
AUG										
22...	1205	53	15	8.0	22.0	79	8.4	.020	.00	<.010
DEC										
28...	1610	53	24	12	21.0	79	8.5	<.010	.02	<.010
JUL , 1979										
17...	1025	53	20	9.0	21.0	65	8.3	<.010	.05	<.010
OCT										
10...	0835	53	29	8.8	21.0	57	8.1	.040	.04	.000
JAN , 1980										
30...	0950	53	29	9.1	21.0	60	--	.010	.07	.000
APR										
25...	1435	53	70	8.3	21.0	61	8.3	.040	.10	.000
AUG										
06...	0855	53	56	9.1	21.5	59	8.3	.000	.04	.000
OCT										
16...	1100	53	29	8.1	21.5	72	--	.100	.00	.000
JAN , 1981										
06...	1415	53	18	10	21.5	71	8.5	.000	.01	.000
APR										
30...	1353	53	18	5.0	21.5	72	8.6	.020	.07	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT , 1975									
07...	.03	.01	.03	.04	.010	--	--	--	--
MAY , 1976									
12...	.01	.01	.02	.03	.010	--	--	--	--
AUG									
25...	.00	.03	<.10	.03	.020	--	--	--	--
DEC									
15...	.02	.01	--	--	<.010	--	--	--	--
MAR , 1977									
17...	.03	<.10	.03	.03	.010	--	--	--	.0
JUN									
15...	.02	.03	.02	.05	.010	.0	0	--	--
SEP									
15...	.01	<.10	.01	.01	.010	--	--	--	--
NOV									
03...	.01	.01	.02	.03	.010	--	2	--	--
DEC									
20...	.04	.01	.04	.05	.010	--	--	--	--
MAY , 1978									
31...	.04	.02	.04	.06	.010	--	--	--	--
AUG									
22...	.02	.02	.02	.04	<.010	--	--	--	--
DEC									
28...	.06	.02	.06	.08	.010	--	--	--	--
JUL , 1979									
17...	.02	.05	.02	.07	.010	--	--	--	--
OCT									
10...	.02	.08	.02	.10	.050	--	--	--	--
JAN , 1980									
30...	.02	.08	.02	.10	.010	--	--	3.1	--
APR									
25...	.02	.14	.02	.16	.030	--	--	--	--
AUG									
06...	.02	.04	.02	.06	.030	--	--	--	--
OCT									
16...	.00	.10	.00	.10	.020	--	--	--	--
JAN , 1981									
06...	.02	.01	.02	.03	.000	--	--	--	--
APR									
30...	.01	.09	.01	.10	.020	--	--	<.1	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 4--Continued

DATE	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)
OCT , 1975									
07...	30	--	--	--	--	1.1	--	37	--
MAY , 1976									
12...	--	--	--	--	--	1.3	--	--	--
AUG									
25...	--	--	--	--	--	1.1	--	--	--
DEC									
15...	31	--	--	--	--	1.2	--	38	--
MAR , 1977									
17...	--	--	--	--	--	.8	--	--	--
JUN									
15...	29	3	32	11	1.1	1.4	.3	35	--
SEP									
15...	--	--	--	--	--	.9	--	--	--
NOV									
03...	--	--	--	--	--	1.6	--	--	--
DEC									
20...	--	--	--	--	--	1.3	--	--	--
MAY , 1978									
31...	--	--	--	--	--	1.1	--	--	--
AUG									
22...	--	--	--	--	--	1.0	--	--	--
DEC									
28...	33	9	42	16	.5	1.2	.2	--	--
JUL , 1979									
17...	--	--	--	--	--	2.4	--	--	--
OCT									
10...	--	--	--	--	--	--	--	--	--
JAN , 1980									
30...	--	--	31	12	.3	1.1	.1	--	30
APR									
25...	--	--	--	--	--	--	--	--	--
AUG									
06...	--	--	--	--	--	--	--	--	39
OCT									
16...	--	--	--	--	--	--	--	--	--
JAN , 1981									
06...	--	--	--	--	--	--	--	--	--
APR									
30...	--	--	35	14	.3	1.0	.0	--	24

DATE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
OCT , 1975									
07...	0	--	1.8	--	--	--	--	--	--
MAY , 1976									
12...	--	--	1.5	--	--	--	--	--	--
AUG									
25...	--	--	1.5	--	--	--	--	--	--
DEC									
15...	0	--	1.6	--	--	--	--	--	--
MAR , 1977									
17...	--	--	1.7	--	--	--	--	--	--
JUN									
15...	0	--	1.6	<.1	.9	4.4	40	--	--
SEP									
15...	--	--	3.3	--	--	--	--	--	--
NOV									
03...	--	--	3.1	--	--	--	--	26.56	17.65
DEC									
20...	--	--	2.4	--	--	--	--	--	--
MAY , 1978									
31...	--	--	1.7	--	--	--	--	24.28	19.93
AUG									
22...	--	--	2.0	--	--	--	--	23.48	20.73
DEC									
28...	--	--	2.4	<.1	.7	4.3	45	26.91	17.30
JUL , 1979									
17...	--	--	--	--	--	--	--	21.41	22.80
OCT									
10...	--	--	2.3	--	--	--	--	18.71	25.50
JAN , 1980									
30...	--	.00	1.5	.1	.5	4.5	--	23.60	20.59
APR									
25...	--	--	1.4	--	--	--	--	19.62	24.59
AUG									
06...	--	2.0	1.5	--	--	--	--	21.35	22.86
OCT									
16...	--	--	1.8	--	--	--	--	24.15	20.06
JAN , 1981									
06...	--	--	1.7	--	--	--	--	25.90	18.31
APR									
30...	--	1.0	2.0	.1	1.0	--	--	23.26	20.95

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 4--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
APR , 1973											
12...	1340	20	<1	<1	--	--	ND	--	ND	0	--
MAY											
15...	1300	30	<1	3	--	15	ND	--	--	0	--
JUN											
06...	1200	--	<1	<1	--	<20	--	ND	--	0	ND
JUL											
18...	1230	--	--	--	--	12	--	--	--	--	--
24...	1045	--	--	--	--	<20	--	--	--	--	--
OCT											
01...	1000	--	--	--	--	8	--	--	--	--	--
NOV											
07...	0930	--	--	--	50	--	--	--	--	--	--
DEC											
12...	1200	--	<1	--	--	--	--	9	--	--	--
JAN , 1974											
22...	1200	--	--	--	<20	--	--	--	--	--	--
FEB											
12...	0930	--	--	--	<20	--	--	--	--	--	--
MAR											
14...	0900	--	--	--	<20	--	--	--	--	--	--
APR											
03...	0900	--	3	--	6	--	--	ND	--	--	--
JUN											
20...	0900	--	4	--	<20	--	--	--	--	--	--
FEB , 1975											
03...	1030	20	<1	--	5	--	2	--	ND	0	--
JUN											
25...	1340	20	<1	--	--	--	ND	--	ND	0	--
JUN , 1977											
15...	1230	--	--	--	--	--	--	--	--	--	--

DATE	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
APR , 1973											
12...	ND	--	<20	--	<10	ND	--	<10	--	--	<10
MAY											
15...	ND	--	ND	--	<10	<2	--	<10	--	--	<10
JUN											
06...	--	ND	--	ND	--	--	5	--	<10	<10	--
JUL											
18...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
OCT											
01...	--	--	--	--	--	--	--	--	--	--	--
NOV											
07...	--	--	--	--	--	--	--	--	--	--	--
DEC											
12...	--	--	<2	--	<10	4	--	--	--	--	<10
JAN , 1974											
22...	--	--	--	--	--	--	--	--	--	--	--
FEB											
12...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	--	<2	--	<10	5	--	--	--	--	<10
JUN											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1975											
03...	ND	--	ND	--	<10	3	--	<10	--	--	<10
JUN											
25...	<2	--	<2	--	<10	ND	--	<10	--	--	<10
JUN , 1977											
15...	--	--	--	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 4--Continued

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
APR , 1973											
12...	--	--	<1	--	ND	--	--	50	2.0	<20	--
MAY											
15...	--	<.5	<1	--	ND	--	--	40	2.0	ND	--
JUN											
06...	--	<.5	--	<1	--	<2	--	20	--	--	ND
JUL											
18...	--	--	--	--	--	--	--	<10	--	--	--
24...	--	--	--	--	--	--	--	<10	--	--	--
OCT											
01...	--	--	--	--	--	--	--	--	--	--	--
NOV											
07...	--	--	--	--	--	--	--	--	--	--	--
DEC											
12...	--	--	--	--	--	--	--	--	--	ND	--
JAN , 1974											
22...	--	--	--	--	--	--	--	--	--	--	--
FEB											
12...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	<.5	--	--	--	--	--	--	--	20	--
JUN											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1975											
03...	<.5	--	<1	--	ND	--	--	--	2.0	6	--
JUN											
25...	<.5	--	<1	--	ND	--	<1	40	1.7	ND	--
JUN , 1977											
15...	--	--	--	--	--	--	--	40	--	--	--

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
JUN , 1974										
20...	0900	.00	.00	.00	.00	.00	.00	--	.00	.00
AUG , 1978										
22...	1205	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JUN , 1974										
20...	.00	.00	--	--	0	.00	--	.00	.00	.00
AUG , 1978										
22...	.00	.00	.00	.00	0	.00	.00	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 5

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
NOV , 1972										
03...	1400	51	--	--	--	--	.020	--	.10	--
DEC										
15...	--	51	--	--	--	--	--	--	--	--
FEB , 1973										
01...	1000	51	20.0	--	--	--	.030	--	.08	--
MAR										
17...	--	51	--	130	--	--	--	--	--	--
APR										
12...	1410	51	--	160	8.1	--	.020	--	.44	--
MAY										
15...	1000	51	21.0	220	7.8	--	<.010	--	.19	--
JUN										
06...	1300	51	--	220	7.7	--	.040	--	.03	--
JUL										
24...	0930	51	21.5	243	7.3	--	.010	--	.09	--
AUG										
28...	1430	51	21.0	--	--	.030	--	.46	--	.008
OCT										
01...	1100	51	21.0	240	7.3	<.010	--	.01	--	.010
NOV										
07...	1000	51	--	238	--	.010	--	.02	--	<.010
DEC										
12...	1300	51	--	241	--	.010	--	.06	--	.010
JAN , 1974										
22...	1300	51	21.0	245	--	.080	--	.07	--	.010
FEB										
12...	1000	51	22.0	242	7.2	.040	--	.05	--	<.010
MAR										
14...	1000	51	22.0	246	7.2	.030	--	.47	--	<.010
APR										
03...	1030	51	21.5	263	--	.020	--	.51	--	<.010
MAY										
09...	1400	51	22.0	240	8.0	--	.020	--	.13	--
JUN										
20...	1100	51	21.5	250	--	--	.030	--	.05	--
FEB , 1975										
03...	1200	51	21.0	237	7.9	--	.020	--	.00	--
APR										
08...	1100	51	21.5	220	7.9	--	.010	--	.04	--
JUN										
26...	1330	51	21.0	245	7.8	--	.020	--	.06	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
NOV , 1972										
03...	.010	--	--	--	--	--	--	--	.080	--
DEC										
15...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	.017	--	.40	--	--	--	--	--	.030	--
MAR										
17...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.004	--	1.7	--	--	--	--	--	.009	.2
MAY										
15...	<.010	--	3.5	--	--	--	--	--	.017	.1
JUN										
06...	.010	--	3.2	--	--	--	--	--	.027	.2
JUL										
24...	.010	--	3.2	--	--	3.3	--	--	.030	.0
AUG										
28...	--	3.70	--	--	--	--	.002	.004	--	--
OCT										
01...	--	3.70	--	--	--	--	.015	.025	--	--
NOV										
07...	--	4.40	--	--	--	--	--	--	--	--
DEC										
12...	--	4.50	--	--	--	--	--	--	--	--
JAN , 1974										
22...	--	4.60	--	--	--	--	--	--	--	--
FEB										
12...	--	2.90	--	--	--	--	.020	.020	--	.2
MAR										
14...	--	5.70	--	--	--	--	.010	.020	--	.5
APR										
03...	--	4.80	--	--	--	--	--	--	--	--
MAY										
09...	.010	--	5.0	--	--	5.2	--	--	.110	.0
JUN										
20...	.010	--	5.8	.08	5.8	5.9	--	--	.050	.1
FEB , 1975										
03...	.010	--	5.5	.02	5.5	5.5	--	--	.020	.1
APR										
08...	.020	--	5.2	.05	5.2	5.3	--	--	.020	--
JUN										
26...	.010	--	3.8	.08	3.8	3.9	--	--	.020	.3

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 5--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV , 1972									
03...	--	17	2.0	19	--	--	--	--	--
DEC									
15...	--	--	--	--	--	--	--	--	--
FEB , 1973									
01...	--	--	--	--	--	--	--	--	--
MAR									
17...	--	--	--	--	--	--	--	--	--
APR									
12...	0	12	3.0	15	59	16	75	24	3.7
MAY									
15...	7	12	.0	12	71	25	96	30	5.0
JUN									
06...	0	12	5.0	17	71	30	100	32	4.9
JUL									
24...	7	17	.0	17	75	25	100	32	4.8
AUG									
28...	--	--	--	--	--	--	--	--	--
OCT									
01...	--	15	.0	15	--	--	95	30	4.8
NOV									
07...	--	--	--	--	--	--	--	35	--
DEC									
12...	--	--	--	--	--	--	100	30	6.4
JAN , 1974									
22...	--	--	--	--	--	--	90	28	4.9
FEB									
12...	0	16	.0	16	64	--	110	35	5.0
MAR									
14...	8	19	.0	19	69	31	100	32	4.9
APR									
03...	--	--	2.0	--	--	--	110	35	5.4
MAY									
09...	0	21	.0	21	95	15	110	35	5.5
JUN									
20...	3	19	.0	19	--	--	92	29	4.7
FEB , 1975									
03...	5	--	.0	--	74	25	98	31	5.1
APR									
08...	--	--	.0	--	75	--	--	--	--
JUN									
26...	11	--	.0	--	80	20	100	32	5.0

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV , 1972									
03...	--	--	--	--	1.5	--	--	6.5	--
DEC									
15...	--	--	--	--	<.1	--	--	--	--
FEB , 1973									
01...	--	--	--	--	--	--	--	3.6	--
MAR									
17...	--	--	--	--	7.0	--	--	--	--
APR									
12...	4.0	.3	72	0	--	.2	1.6	5.5	101
MAY									
15...	6.0	.4	86	0	14	--	.8	6.3	135
JUN									
06...	6.1	.4	86	0	15	.1	2.0	7.0	115
JUL									
24...	7.1	.3	91	0	15	.1	1.6	6.6	145
AUG									
28...	--	--	--	--	--	--	--	6.5	--
OCT									
01...	6.5	.4	--	0	16	--	--	--	--
NOV									
07...	7.0	.7	--	--	16	--	--	--	--
DEC									
12...	7.7	.5	--	--	16	--	--	--	--
JAN , 1974									
22...	7.4	.4	--	--	17	--	--	--	--
FEB									
12...	7.9	.5	78	0	16	--	--	--	--
MAR									
14...	8.0	.4	84	0	16	--	--	--	--
APR									
03...	9.2	.7	--	--	19	--	--	--	--
MAY									
09...	9.2	.5	116	0	18	--	3.6	--	170
JUN									
20...	8.3	.4	--	--	17	.1	4.3	--	179
FEB , 1975									
03...	--	.2	90	0	15	.1	3.2	6.9	132
APR									
08...	--	--	92	0	13	--	--	--	--
JUN									
26...	8.1	.6	98	0	14	.1	4.3	6.6	150

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 5--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
JUL , 1975												
10...	1015	51	--	--	21.5	230	7.7	.010	.08	<.010	4.0	.09
OCT												
07...	1200	51	--	--	21.0	240	7.8	.010	.01	<.010	4.6	.02
JAN , 1976												
28...	1330	51	--	--	21.5	236	8.2	.020	.00	.010	3.2	.02
MAY												
12...	1410	51	--	--	21.0	240	--	.010	.00	.010	4.0	.01
AUG												
25...	1530	51	--	--	21.0	245	--	.010	.04	<.010	4.2	.05
DEC												
15...	1130	51	--	--	21.0	225	7.7	.020	E.00	<.010	5.3	.02
MAR , 1977												
17...	1130	51	--	--	--	241	--	.010	.00	<.010	2.4	.01
JUN												
22...	1430	51	--	--	20.0	--	--	<.010	.20	<.010	2.4	.20
SEP												
13...	1030	51	--	--	21.0	260	--	<.010	.00	<.010	1.8	<.10
NOV												
02...	1015	51	--	--	21.5	264	--	.010	.02	<.010	4.0	.03
DEC												
19...	1245	51	--	--	21.5	263	--	.010	.00	<.010	3.6	.01
FEB , 1978												
27...	1200	51	--	--	21.0	245	7.6	.010	.04	<.010	3.1	.05
MAY												
31...	0905	51	26	6.7	21.0	250	7.7	<.010	.00	<.010	3.6	<.10
AUG												
22...	1250	51	25	8.0	21.5	250	7.7	.020	.00	.010	3.4	.02
DEC												
12...	1545	51	15	10	19.5	255	7.8	.010	.02	<.010	2.9	.03
MAR , 1979												
21...	1340	51	15	12	20.5	239	7.8	.010	.12	<.010	3.0	.13
JUL												
17...	1350	51	15	12	20.5	246	7.7	<.010	.13	<.010	3.0	.13
NOV												
14...	0910	51	28	12	20.5	233	7.8	.020	.04	.000	2.9	.06
FEB , 1980												
28...	1020	51	38	8.6	21.0	244	7.9	.010	.03	.000	2.7	.04
JUN												
09...	1420	51	78	8.3	20.5	228	7.8	.020	.02	.000	3.0	.04
AUG												
06...	1325	51	35	9.1	21.0	231	7.9	.000	.05	.000	3.0	.05

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JUL , 1975												
10...	4.0	4.1	.020	.3	0	4.0	82	0	100	32	5.4	8.4
OCT												
07...	4.6	4.6	.020	--	--	--	82	--	--	--	--	8.2
JAN , 1976												
28...	3.2	3.2	.030	--	--	--	82	11	93	29	5.0	8.9
MAY												
12...	4.0	4.0	.030	--	--	--	--	--	--	--	--	8.1
AUG												
25...	4.2	4.2	.030	--	--	--	--	--	--	--	--	8.5
DEC												
15...	5.3	5.3	<.100	--	--	--	78	16	94	30	4.6	8.2
MAR , 1977												
17...	2.4	2.4	.010	--	--	.0	--	--	--	--	--	8.4
JUN												
22...	2.4	2.6	.040	.2	4	--	84	21	110	33	5.6	8.4
SEP												
13...	1.8	1.8	.020	--	--	--	--	--	--	--	--	8.4
NOV												
02...	4.0	4.0	.020	--	7	--	--	--	--	--	--	9.5
DEC												
19...	3.6	3.6	.020	--	--	--	--	--	--	--	--	9.5
FEB , 1978												
27...	3.1	3.2	.020	.6	6	--	82	26	110	34	5.6	8.6
MAY												
31...	3.6	3.6	.020	--	--	--	--	--	--	--	--	7.9
AUG												
22...	3.4	3.4	.030	--	--	--	--	--	--	--	--	8.2
DEC												
12...	2.9	2.9	.020	--	--	--	84	19	100	32	5.6	8.8
MAR , 1979												
21...	3.0	3.1	.020	--	--	--	--	--	--	--	--	7.2
JUL												
17...	1.2	1.3	.020	--	--	--	94	5	99	32	4.7	7.0
NOV												
14...	2.9	3.0	.020	--	--	--	--	--	97	31	4.7	8.0
FEB , 1980												
28...	2.7	2.7	.040	--	--	--	--	--	--	--	--	--
JUN												
09...	3.0	3.1	.020	--	--	--	--	--	--	--	--	--
AUG												
06...	3.0	3.0	.020	--	--	--	--	--	110	35	5.5	8.2

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 5--Continued

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUL , 1975												
10...	.6	100	--	0	--	14	.2	5.7	6.7	138	--	--
OCT												
07...	--	100	--	0	--	14	--	--	--	--	--	--
JAN , 1976												
28...	.5	100	--	0	--	13	<.1	4.7	6.4	129	--	--
MAY												
12...	--	--	--	--	--	13	--	--	--	--	--	--
AUG												
25...	--	--	--	--	--	14	--	--	--	--	--	--
DEC												
15...	.5	95	--	0	--	12	.1	--	6.6	132	--	--
MAR , 1977												
17...	--	--	--	--	--	13	--	--	--	--	--	--
JUN												
22...	.4	103	--	0	--	14	<.1	6.0	6.9	144	--	--
SEP												
13...	--	--	--	--	--	14	--	--	--	--	--	--
NOV												
02...	--	--	--	--	--	16	--	--	--	--	--	--
DEC												
19...	--	--	--	--	--	14	--	--	--	--	--	--
FEB , 1978												
27...	.5	100	--	0	--	13	<.1	5.1	7.3	113	--	--
MAY												
31...	--	--	--	--	--	13	--	--	--	--	30.04	19.85
AUG												
22...	--	--	--	--	--	13	--	--	--	--	29.15	20.74
DEC												
12...	.6	--	--	--	--	12	.1	7.8	6.7	151	32.45	17.84
MAR , 1979												
21...	--	--	--	--	--	12	--	--	--	--	27.76	22.53
JUL												
17...	.5	--	--	--	--	13	.1	--	6.3	136	26.04	24.25
NOV												
14...	.4	--	--	--	--	11	.1	4.3	--	--	26.83	23.46
FEB , 1980												
28...	--	--	105	--	.00	12	--	--	--	--	29.70	20.55
JUN												
09...	--	--	120	--	.00	12	--	--	--	--	27.03	23.26
AUG												
06...	.4	--	96	--	.00	11	.1	4.7	--	--	27.10	23.21

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
NOV , 1980										
13...	1025	51	12	10	21.0	240	7.9	.030	.00	.000
FEB , 1981										
03...	1310	51	22	10	21.0	242	7.9	.000	.03	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV , 1980									
13...	3.1	.03	3.1	3.1	--	--	--	--	--
FEB , 1981									
03...	2.9	.03	2.9	2.9	.020	.3	120	37	5.5

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
NOV , 1980									
13...	--	--	--	--	--	--	--	30.72	19.57
FEB , 1981									
03...	7.8	.3	107	.00	12	.2	8.2	32.24	18.05

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 5--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
APR , 1973												
12...	1410	<100	<1	<1	--	--	--	ND	--	ND	0	--
MAY												
15...	1000	10	<1	<1	--	--	16	ND	--	ND	0	--
JUN												
06...	1300	--	<1	1	--	--	17	--	ND	--	0	ND
JUL												
24...	0930	--	--	--	--	--	<20	--	--	--	--	--
OCT												
01...	1100	--	--	--	--	--	<20	--	--	--	--	--
NOV												
07...	1000	--	--	--	--	40	--	--	--	--	--	--
DEC												
12...	1300	--	1	--	--	--	--	--	8	--	--	--
JAN , 1974												
22...	1300	--	--	--	--	120	--	--	--	--	--	--
FEB												
12...	1000	--	--	--	--	80	--	--	--	--	--	--
MAR												
14...	1000	--	--	--	--	90	--	--	--	--	--	--
APR												
03...	1030	--	<1	--	--	40	--	--	ND	--	--	--
MAY												
09...	1400	--	--	--	--	50	--	--	--	--	--	--
JUN												
20...	1100	--	3	--	--	190	--	--	--	--	--	--
FEB , 1975												
03...	1200	8	1	--	--	50	--	ND	--	ND	0	--
JUN												
26...	1330	<100	<1	--	--	--	--	ND	--	ND	0	--
JUL												
10...	1015	10	<1	--	--	--	--	<2	--	<2	0	--
JAN , 1976												
28...	1330	--	--	<1	--	--	--	--	<2	--	--	--
DEC												
15...	1130	--	--	2	<100	--	--	--	ND	--	--	<20
JUN , 1977												
22...	1430	--	--	1	200	--	--	--	ND	--	--	<20
FEB , 1978												
27...	1200	--	--	<1	<100	--	--	--	ND	--	--	--

DATE	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)
APR , 1973												
12...	ND	--	ND	--	<10	<2	--	<10	--	--	<10	--
MAY												
15...	ND	--	ND	--	<10	<2	--	<10	--	--	<10	--
JUN												
06...	--	<2	--	ND	--	--	5	--	<10	100	--	--
JUL												
24...	--	--	--	--	--	--	--	--	--	--	--	--
OCT												
01...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
07...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
12...	--	--	<2	--	<10	5	--	--	--	--	<10	--
JAN , 1974												
22...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
12...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
03...	--	--	2	--	<10	9	--	--	--	--	20	--
MAY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB , 1975												
03...	ND	--	ND	--	<10	ND	--	<10	--	--	<10	<.5
JUN												
26...	ND	--	3	--	<10	ND	--	<10	--	--	<10	<.5
JUL												
10...	ND	--	ND	--	<10	3	--	<10	--	--	<10	<.5
JAN , 1976												
28...	--	--	--	ND	--	--	5	--	--	<10	--	--
DEC												
15...	--	--	--	2	--	--	6	--	--	<10	--	--
JUN , 1977												
22...	--	--	--	8	--	--	16	--	--	30	--	--
FEB , 1978												
27...	--	--	--	4	--	--	<2	--	--	<10	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 5--Continued

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	DEMUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
APR , 1973												
12...	--	<1	--	ND	--	--	--	--	70	.0	20	--
MAY												
15...	<.5	<1	--	<2	--	--	--	--	100	.0	ND	--
JUN												
06...	<.5	--	<1	--	<2	--	--	--	100	--	--	<20
JUL												
24...	--	--	--	--	--	--	--	--	100	--	--	--
OCT												
01...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
07...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
12...	--	--	--	--	--	--	--	--	--	--	40	--
JAN , 1974												
22...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
12...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
03...	<.5	--	--	--	--	--	--	--	--	--	ND	--
MAY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB , 1975												
03...	--	<1	--	ND	--	--	--	--	--	.0	<20	--
JUN												
26...	--	<1	--	ND	--	<1	--	--	100	.0	<20	--
JUL												
10...	--	1	--	ND	--	<1	--	--	70	2.7	ND	--
JAN , 1976												
28...	<.5	--	--	--	--	--	--	--	110	--	--	<20
DEC												
15...	<.5	--	--	--	--	--	<1	ND	--	--	--	<20
JUN , 1977												
22...	<.5	--	--	--	--	--	<1	ND	90	--	--	ND
FEB , 1978												
27...	<.5	--	--	--	--	--	<1	2	120	--	--	<20

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
JUN , 1974										
20...	1100	.00	.00	.00	.00	.00	.00	--	.00	.00
AUG , 1978										
22...	1250	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JUN , 1974										
20...	.00	.00	--	--	0	.00	--	.00	.00	.00
AUG , 1978										
22...	.00	.00	.00	.00	0	.00	.00	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
OCT , 1972										
31...	1200	45	--	--	--	--	--	--	--	--
NOV										
01...	1400	45	--	195	--	--	.020	--	.19	--
03...	1200	45	--	--	--	--	--	--	--	--
FEB , 1973										
01...	1000	45	20.0	--	--	--	.050	--	.19	--
MAR										
15...	--	45	--	--	--	--	--	--	--	--
APR										
12...	1100	45	22.0	175	8.2	--	.030	--	.09	--
MAY										
15...	0900	45	20.5	190	7.7	--	<.010	--	.12	--
JUN										
08...	1400	45	--	190	7.7	--	.040	--	.20	--
JUL										
19...	1400	45	--	193	7.8	--	.010	--	.28	--
AUG										
28...	1400	45	20.5	--	--	.030	--	--	--	.004
OCT										
01...	1200	45	21.0	190	7.4	.010	--	.13	--	.008
NOV										
07...	0830	45	20.5	187	7.9	.010	--	.28	--	.010
DEC										
13...	1400	45	20.5	197	7.5	.010	--	.19	--	<.010
JAN , 1974										
22...	1100	45	20.5	182	7.2	.080	--	.05	--	<.010
FEB										
12...	1100	45	21.0	152	7.3	.060	--	.11	--	<.010
MAR										
14...	1200	45	21.0	179	7.4	.030	--	.27	--	<.010
APR										
03...	1130	45	21.0	189	7.6	.020	--	.40	--	<.010
JUN										
20...	1230	45	21.0	210	--	--	.050	--	--	--
FEB , 1975										
03...	1530	45	21.0	172	8.0	--	.030	--	.00	--
APR										
08...	1200	45	21.0	150	8.0	--	.010	--	.05	--
JUN										
24...	1350	45	21.5	210	8.0	--	.010	--	.03	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT , 1972										
31...	--	--	--	--	--	--	--	--	--	--
NOV										
01...	.020	--	.54	--	--	--	--	--	.035	--
03...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	.014	--	.10	--	--	--	--	--	.010	--
MAR										
15...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.001	--	.02	--	--	--	--	--	.006	.2
MAY										
15...	<.010	--	.10	--	--	--	--	--	.004	.2
JUN										
08...	.005	--	.40	--	--	--	--	--	.020	.3
JUL										
19...	.006	--	.57	--	--	--	--	--	.008	.6
AUG										
28...	--	.20	--	--	--	--	.002	.004	--	--
OCT										
01...	--	.68	--	--	--	--	.012	.023	--	--
NOV										
07...	--	.69	--	--	--	--	.010	.020	--	.4
DEC										
13...	--	.90	--	--	--	--	.010	.020	--	.3
JAN , 1974										
22...	--	.46	--	--	--	--	<.010	.020	--	.2
FEB										
12...	--	.09	--	--	--	--	.010	.020	--	.0
MAR										
14...	--	.44	--	--	--	--	.010	.020	--	.2
APR										
03...	--	.83	--	--	--	--	.010	.010	--	.1
JUN										
20...	.010	--	.38	--	.39	--	--	--	.020	.0
FEB , 1975										
03...	.010	--	.22	.03	.23	.26	--	--	.020	.1
APR										
08...	<.010	--	.23	.06	.23	.29	--	--	.010	--
JUN										
24...	<.010	--	.75	.04	.75	.79	--	--	.010	.4

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT , 1972									
31...	--	--	--	--	--	--	--	--	--
NOV									
01...	--	19	1.0	20	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--
FEB , 1973									
01...	--	--	--	--	--	--	--	--	--
MAR									
15...	--	--	--	--	--	--	--	--	--
APR									
12...	2	14	8.0	22	87	4	91	34	1.4
MAY									
15...	1	18	2.0	20	89	11	99	36	2.3
JUN									
08...	1	19	1.0	20	89	8	97	35	2.2
JUL									
19...	--	22	.0	22	86	8	94	34	2.2
AUG									
28...	--	--	--	--	--	--	--	--	--
OCT									
01...	--	20	.0	20	--	--	89	32	2.2
NOV									
07...	0	18	.0	18	77	14	91	31	3.4
DEC									
13...	--	--	--	--	82	2	84	28	3.5
JAN , 1974									
22...	0	19	.0	19	81	0	79	28	2.2
FEB									
12...	0	16	.0	16	71	8	79	30	1.0
MAR									
14...	8	18	2.0	20	71	14	85	31	1.8
APR									
03...	3	21	.0	21	--	--	95	33	3.0
JUN									
20...	2	21	.0	21	--	--	84	30	2.1
FEB , 1975									
03...	0	--	.0	--	85	7	92	34	1.7
APR									
08...	--	--	.0	--	82	--	--	--	--
JUN									
24...	6	--	.0	--	83	10	93	33	2.5

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT , 1972									
31...	--	--	--	--	5.0	--	--	--	--
NOV									
01...	--	--	--	--	6.5	--	--	5.7	--
03...	--	--	--	--	5.0	--	--	--	--
FEB , 1973									
01...	--	--	--	--	--	--	--	3.2	--
MAR									
15...	--	--	--	--	5.0	--	--	--	--
APR									
12...	1.9	.3	106	0	3.8	.2	2.4	5.5	104
MAY									
15...	2.9	.3	108	0	6.0	--	1.6	5.3	112
JUN									
08...	3.1	.3	108	0	5.3	.1	2.0	6.3	148
JUL									
19...	3.5	.4	105	0	1.0	.1	2.4	5.6	108
AUG									
28...	--	--	--	--	--	--	--	6.3	--
OCT									
01...	2.8	.3	--	0	--	--	--	--	--
NOV									
07...	3.2	.6	94	0	6.5	--	--	--	--
DEC									
13...	3.7	.3	100	0	7.0	--	--	--	--
JAN , 1974									
22...	2.7	.2	98	0	5.5	--	--	--	--
FEB									
12...	1.8	.3	86	0	3.2	--	--	--	--
MAR									
14...	2.6	.3	86	0	4.4	--	--	--	--
APR									
03...	4.2	.7	--	0	6.5	--	--	--	--
JUN									
20...	1.9	.2	--	--	5.4	.1	3.6	--	107
FEB , 1975									
03...	2.2	.9	104	0	4.8	.1	1.2	5.8	100
APR									
08...	--	--	100	0	2.6	--	--	--	--
JUN									
24...	3.7	.5	101	0	6.2	<.1	3.0	5.7	109

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT , 1975										
07...	1500	45	--	--	21.5	190	7.8	.010	.00	<.010
JAN , 1976										
28...	1000	45	--	--	21.5	184	7.9	.020	.00	.010
MAY										
12...	1000	45	--	--	21.0	187	--	.010	.00	<.010
AUG										
31...	1000	45	--	--	21.0	202	--	.010	.04	<.010
DEC										
15...	1030	45	--	--	21.0	--	7.7	.010	.05	<.010
MAR , 1977										
17...	1210	45	--	--	--	187	--	.010	.00	<.010
JUN										
28...	1600	45	--	--	21.0	--	--	<.010	.12	<.010
SEP										
15...	1330	45	--	--	--	195	--	.010	.00	<.010
NOV										
08...	1030	45	--	--	21.5	197	--	<.010	.00	.010
DEC										
19...	1430	45	--	--	21.5	19[illegible]	--	.010	.00	<.010
FEB , 1978										
27...	1420	45	--	--	21.5	196	--	.010	.00	<.010
MAY										
22...	1235	45	--	--	21.0	204	7.6	.010	.03	<.010
AUG										
22...	1020	45	30	8.0	21.5	193	7.7	.020	.00	<.010
DEC										
07...	1403	45	13	11	20.5	203	--	.010	.03	.010
MAR , 1979										
21...	1550	45	8	12	20.0	208	7.8	.020	.00	<.010
AUG										
13...	1045	45	12	12	20.5	193	7.8	.010	.06	<.010
OCT										
10...	1630	45	15	12	20.5	185	7.7	.020	.08	.000
JAN , 1980										
30...	1700	45	17	9.4	20.5	200	8.0	.020	.08	.000
APR										
24...	1640	45	60	8.8	20.5	187	7.9	.110	.06	.000
AUG										
05...	1355	45	60	7.9	21.0	196	7.9	.000	.03	.000
NOV										
12...	1635	45	8	10	21.0	203	7.9	.000	.00	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT , 1975									
07...	.60	.01	.60	.61	.010	--	--	--	--
JAN , 1976									
28...	.45	.02	.46	.48	.030	--	--	--	--
MAY									
12...	.55	.01	.55	.56	.020	--	--	--	--
AUG									
31...	.95	.05	.95	1.0	.020	--	--	--	--
DEC									
15...	.35	.06	.35	.41	.010	--	--	--	--
MAR , 1977									
17...	.57	.01	.57	.58	.010	--	--	--	.0
JUN									
28...	.79	.12	.79	.91	.020	.4	30	--	--
SEP									
15...	.82	.01	.82	.83	.020	--	--	--	--
NOV									
08...	.46	<.10	.47	.47	.010	--	0	--	--
DEC									
19...	.63	.01	.63	.64	.020	--	--	--	--
FEB , 1978									
27...	.93	.01	.93	.94	.020	.5	2	--	--
MAY									
22...	1.1	.04	1.1	1.1	.020	--	--	--	--
AUG									
22...	1.1	.02	1.1	1.1	.010	--	--	--	--
DEC									
07...	.84	.04	.85	.89	.050	--	--	--	--
MAR , 1979									
21...	1.0	.02	1.2	1.2	.010	--	--	--	--
AUG									
13...	.73	.07	.73	.80	.010	--	--	--	--
OCT									
10...	.63	.10	.63	.73	.020	--	--	--	--
JAN , 1980									
30...	1.1	.10	1.1	1.2	.020	--	--	.5	--
APR									
24...	.87	.17	.87	1.0	.010	--	--	--	--
AUG									
05...	.65	.03	.65	.68	.020	--	--	--	3.4
NOV									
12...	2.8	.00	2.8	2.8	.060	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6--Continued

DATE	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)
OCT , 1975									
07...	90	--	--	--	--	3.2	--	110	--
JAN , 1976									
28...	90	--	--	--	--	3.2	--	110	--
MAY									
12...	--	--	--	--	--	3.0	--	--	--
AUG									
31...	--	--	--	--	--	3.8	--	--	--
DEC									
15...	90	--	--	--	--	2.6	--	110	--
MAR , 1977									
17...	--	--	--	--	--	3.0	--	--	--
JUN									
28...	87	4	91	31	3.3	3.3	.3	105	--
SEP									
15...	--	--	--	--	--	2.8	--	--	--
NOV									
08...	--	--	--	--	--	2.8	--	--	--
DEC									
19...	--	--	--	--	--	3.0	--	--	--
FEB , 1978									
27...	82	11	93	32	3.1	3.6	.4	100	--
MAY									
22...	--	--	--	--	--	3.6	--	--	--
AUG									
22...	--	--	--	--	--	3.3	--	--	--
DEC									
07...	90	18	110	37	3.7	3.1	.3	--	--
MAR , 1979									
21...	--	--	--	--	--	3.2	--	--	--
AUG									
13...	84	7	91	32	2.6	2.6	.2	--	--
OCT									
10...	--	--	--	--	--	--	--	--	--
JAN , 1980									
30...	--	--	99	34	3.3	3.5	.3	--	93
APR									
24...	--	--	--	--	--	--	--	--	91
AUG									
05...	--	--	100	35	3.3	3.2	.3	--	92
NOV									
12...	--	--	--	--	--	--	--	--	--

DATE	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
OCT , 1975									
07...	0	--	5.6	--	--	--	--	--	--
JAN , 1976									
28...	0	--	5.8	--	--	--	--	--	--
MAY									
12...	--	--	4.8	--	--	--	--	--	--
AUG									
31...	--	--	6.0	--	--	--	--	--	--
DEC									
15...	0	--	4.2	--	--	--	--	--	--
MAR , 1977									
17...	--	--	4.8	--	--	--	--	--	--
JUN									
28...	0	--	5.5	<.1	4.0	6.1	117	--	--
SEP									
15...	--	--	5.2	--	--	--	--	--	--
NOV									
08...	--	--	5.0	--	--	--	--	--	--
DEC									
19...	--	--	4.8	--	--	--	--	--	--
FEB , 1978									
27...	0	--	7.6	<.1	5.5	6.3	108	--	--
MAY									
22...	--	--	5.9	--	--	--	--	19.55	20.55
AUG									
22...	--	--	5.6	--	--	--	--	19.11	21.00
DEC									
07...	--	--	5.3	<.1	2.6	6.1	118	22.30	18.23
MAR , 1979									
21...	--	--	5.9	--	--	--	--	17.80	22.74
AUG									
13...	--	--	4.7	.1	2.4	5.9	105	15.63	24.92
OCT									
10...	--	--	4.6	--	--	--	--	14.53	25.99
JAN , 1980									
30...	--	.00	5.5	.1	3.6	6.6	--	19.20	21.22
APR									
24...	--	.00	5.4	--	--	--	--	15.18	25.28
AUG									
05...	--	.00	5.2	.1	2.2	--	--	17.10	23.38
NOV									
12...	--	--	5.6	--	--	--	--	20.57	19.89

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
FEB , 1981								
03...	0900	45	18	11	20.5	209	7.9	.020

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
FEB , 1981									
03...	.00	.000	.02	.020	.0	100	36	3.4	3.3

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
FEB , 1981								
03...	.1	108	.00	5.4	.1	4.9	22.11	18.35

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
APR , 1973										
12...	1100	90	--	<1	<1	--	--	--	ND	--
MAY										
15...	0900	10	--	<1	<1	--	--	<20	ND	--
JUN										
08...	1400	--	60	1	1	--	--	B	--	ND
JUL										
19...	1400	--	--	--	--	--	--	2	--	--
OCT										
01...	1200	--	--	--	--	--	--	B	--	--
NOV										
07...	0830	--	--	--	--	--	30	--	--	--
DEC										
13...	1400	--	--	B	--	--	--	--	--	9
JAN , 1974										
22...	1100	--	--	--	--	--	<20	--	--	--
FEB										
12...	1100	--	--	--	--	--	<20	--	--	--
MAR										
14...	1200	--	--	--	--	--	<20	--	--	--
APR										
03...	1130	--	--	1	--	--	5	--	--	ND
JUN										
20...	1230	--	--	<1	--	--	<20	--	--	--
FEB , 1975										
03...	1530	--	--	1	--	--	<20	--	2	--
JUN										
24...	1350	20	--	<1	--	--	--	--	ND	--
JUN , 1977										
28...	1600	--	--	--	--	--	--	--	--	--
FEB , 1978										
27...	1420	--	--	--	<1	<100	--	--	--	ND

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6--Continued

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
APR , 1973									
12...	ND	0	--	ND	--	ND	--	20	ND
MAY									
15...	ND	0	--	ND	--	ND	--	<10	ND
JUN									
08...	--	--	ND	ND	ND	--	ND	--	--
JUL									
19...	--	--	--	--	--	--	--	--	--
OCT									
01...	--	--	--	--	--	--	--	--	--
NOV									
07...	--	--	--	--	--	--	--	--	--
DEC									
13...	--	--	--	--	--	<2	--	<10	9
JAN , 1974									
22...	--	--	--	--	--	--	--	--	--
FEB									
12...	--	--	--	--	--	--	--	--	--
MAR									
14...	--	--	--	--	--	--	--	--	--
APR									
03...	--	--	--	--	--	<2	--	<10	5
JUN									
20...	--	--	--	--	--	--	--	--	--
FEB , 1975									
03...	ND	0	--	<2	--	ND	--	<10	7
JUN									
24...	ND	0	--	ND	--	<2	--	40	ND
JUN , 1977									
28...	--	--	--	--	--	--	--	--	--
FEB , 1978									
27...	--	--	--	--	--	--	2	--	--

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)
APR , 1973									
12...	--	<10	--	--	<10	--	--	<1	--
MAY									
15...	--	<10	--	--	<10	--	<.5	<1	--
JUN									
08...	ND	--	<10	<10	--	--	<.5	--	1
JUL									
19...	--	--	--	--	--	--	--	--	--
OCT									
01...	--	--	--	--	--	--	--	--	--
NOV									
07...	--	--	--	--	--	--	--	--	--
DEC									
13...	--	--	--	--	14	--	--	--	--
JAN , 1974									
22...	--	--	--	--	--	--	--	--	--
FEB									
12...	--	--	--	--	--	--	--	--	--
MAR									
14...	--	--	--	--	--	--	--	--	--
APR									
03...	--	--	--	--	20	--	<.5	--	--
JUN									
20...	--	--	--	--	--	--	--	--	--
FEB , 1975									
03...	--	<10	--	--	13	<.5	--	<1	--
JUN									
24...	--	<10	--	--	<10	<.5	--	1	--
JUN , 1977									
28...	--	--	--	--	--	--	--	--	--
FEB , 1978									
27...	ND	--	--	<10	--	--	<.5	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 6--Continued

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
APR , 1973									
12...	ND	--	--	--	--	70	.0	50	--
MAY									
15...	ND	--	--	--	--	100	1.0	20	--
JUN									
08...	--	ND	--	--	--	60	--	--	<20
JUL									
19...	--	--	--	--	--	100	--	--	--
OCT									
01...	--	--	--	--	--	--	--	--	--
NOV									
07...	--	--	--	--	--	--	--	--	--
DEC									
13...	--	--	--	--	--	--	--	8	--
JAN , 1974									
22...	--	--	--	--	--	--	--	--	--
FEB									
12...	--	--	--	--	--	--	--	--	--
MAR									
14...	--	--	--	--	--	--	--	--	--
APR									
03...	--	--	--	--	--	--	--	20	--
JUN									
20...	--	--	--	--	--	--	--	--	--
FEB , 1975									
03...	ND	--	--	--	--	--	.0	50	--
JUN									
24...	ND	--	<1	--	--	150	.8	<20	--
JUN , 1977									
28...	--	--	--	--	--	70	--	--	--
FEB , 1978									
27...	--	--	--	<1	<2	110	--	--	<20

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
JUN , 1974										
20...	1230	.00	.00	.00	.00	.00	.00	--	.00	.00
AUG , 1978										
22...	1020	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JUN , 1974										
20...	.00	.00	--	--	0	.00	--	.00	.00	.00
AUG , 1978										
22...	.00	.00	.00	.00	0	.00	.00	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 7 near single-gun area

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
DEC , 1972										
15...	--	35	--	--	--	--	--	--	--	--
19...	1430	35	--	70	--	--	.070	--	.24	--
FEB , 1973										
01...	1000	35	--	--	--	--	.040	--	.22	--
MAR										
15...	1025	35	--	40	--	--	--	--	--	--
APR										
12...	0930	35	23.0	65	7.4	--	.150	--	.20	--
MAY										
30...	1400	35	--	60	7.6	--	.110	--	.02	--
JUL										
18...	1145	35	--	56	6.7	--	.090	--	.16	--
AUG										
29...	1110	35	22.5	--	--	.210	--	--	--	.005
OCT										
04...	1100	35	23.5	67	7.2	.170	--	.43	--	.005
NOV										
06...	1000	35	22.0	72	--	.140	--	.46	--	.010
DEC										
20...	1400	35	21.0	79	7.3	.120	--	.41	--	.010
JAN , 1974										
24...	1200	35	21.0	74	--	.120	--	.32	--	.010
FEB										
13...	1300	35	21.5	75	6.5	.120	--	.10	--	<.010
MAR										
13...	1200	35	21.0	83	6.7	.130	--	.08	--	.010
APR										
25...	1300	35	21.0	74	7.7	.100	--	.18	--	<.010
OCT , 1975										
10...	1600	35	--	66	--	--	.030	--	.06	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	--	--
19...	.006	--	.04	--	--	--	--	--	.002	--
FEB , 1973										
01...	.007	--	.06	--	--	--	--	--	.015	--
MAR										
15...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.003	--	.20	--	--	--	--	--	.006	.4
MAY										
30...	.006	--	.10	--	--	--	--	--	.010	.0
JUL										
18...	.007	--	.11	--	--	--	--	--	.017	.0
AUG										
29...	--	.08	--	--	--	--	<.010	.002	--	--
OCT										
04...	--	.08	--	--	--	--	<.010	.010	--	--
NOV										
06...	--	.12	--	--	--	--	<.010	.010	--	.8
DEC										
20...	--	.08	--	--	--	--	<.010	.010	--	2.4
JAN , 1974										
24...	--	.03	--	--	--	--	.010	.020	--	.7
FEB										
13...	--	.07	--	--	--	--	<.010	.020	--	.4
MAR										
13...	--	.13	--	--	--	--	.010	.010	--	.9
APR										
25...	--	.00	--	--	--	--	.010	.010	--	.5
OCT , 1975										
10...	.010	--	.74	.09	.75	.84	--	--	.020	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 7 near single-gun area--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC , 1972									
15...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
FEB , 1973									
01...	--	--	--	--	--	--	--	--	--
MAR									
15...	--	--	--	--	--	--	--	--	--
APR									
12...	5	9.0	9.0	18	25	2	25	9.7	.5
MAY									
30...	10	9.0	2.0	11	23	1	24	8.8	.4
JUL									
18...	--	9.0	.0	9.0	21	0	21	7.8	.3
AUG									
29...	--	--	--	--	--	--	--	--	--
OCT									
04...	20	9.5	3.5	13	29	6	32	12	.4
NOV									
06...	18	10	2.0	12	--	--	32	12	.5
DEC									
20...	8	8.0	4.0	12	31	--	--	--	--
JAN , 1974									
24...	4	9.0	3.0	12	--	--	26	10	.3
FEB									
13...	0	10	2.0	12	30	4	34	13	.4
MAR									
13...	8	11	1.0	12	30	7	37	14	.4
APR									
25...	10	8.0	1.5	9.5	29	8	37	14	.6
OCT , 1975									
10...	--	--	--	--	21	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC , 1972									
15...	--	--	--	--	3.0	--	--	--	--
19...	--	--	--	--	3.2	.2	0.7	.6	--
FEB , 1973									
01...	--	--	--	--	--	--	--	1.6	--
MAR									
15...	--	--	--	0	2.0	--	--	--	--
APR									
12...	1.5	.3	30	0	2.9	.1	1.6	3.1	42
MAY									
30...	1.5	.2	28	0	2.5	.1	.4	3.3	38
JUL									
18...	1.4	.2	26	0	1.0	.1	.8	3.3	25
AUG									
29...	--	--	--	--	--	--	--	4.3	--
OCT									
04...	1.5	.2	31	0	2.5	--	--	--	--
NOV									
06...	1.3	.5	--	0	2.9	--	--	--	--
DEC									
20...	--	--	38	0	2.0	--	--	--	--
JAN , 1974									
24...	1.0	.1	--	0	2.4	--	--	--	--
FEB									
13...	1.4	.2	36	0	1.7	--	--	--	--
MAR									
13...	1.6	.1	37	0	1.9	--	--	--	--
APR									
25...	1.2	.6	35	0	2.9	--	--	--	--
OCT , 1975									
10...	1.7	--	26	0	1.2	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 7 near single-gun area--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
DEC , 1972										
19...	1430	--	<1	--	--	--	--	--	--	--
MAR , 1973										
05...	1400	20	--	--	--	--	<2	--	ND	0
APR										
12...	0930	160	<1	--	--	--	ND	--	ND	0
MAY										
30...	1400	--	--	3	--	--	--	ND	--	--
JUL										
18...	1145	--	--	--	--	13	--	--	--	--
OCT										
04...	1100	--	--	--	--	6	--	--	--	--
NOV										
06...	1000	--	--	--	40	--	--	--	--	--
JAN , 1974										
24...	1200	--	--	--	<20	--	--	--	--	--
FEB										
13...	1300	--	--	--	<20	--	--	--	--	--
MAR										
13...	1200	--	--	--	<20	--	--	--	--	--
APR										
25...	1300	--	1	--	<20	--	--	ND	--	0

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)
DEC , 1972										
19...	--	--	--	--	--	--	--	--	--	--
MAR , 1973										
05...	--	ND	--	ND	--	130	ND	--	<10	--
APR										
12...	--	ND	--	ND	--	--	<2	--	<10	--
MAY										
30...	ND	--	ND	--	ND	--	--	2	--	<10
JUL										
18...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	--	--	--	--	--	--	--	--	--	--
JAN , 1974										
24...	--	--	--	--	--	--	--	--	--	--
FEB										
13...	--	--	--	--	--	--	--	--	--	--
MAR										
13...	--	--	--	--	--	--	--	--	--	--
APR										
25...	--	--	--	2	--	260	ND	--	--	--

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
DEC , 1972									
19...	--	--	--	--	--	--	--	--	--
MAR , 1973									
05...	--	<1	--	ND	--	--	.0	40	--
APR									
12...	--	<1	--	ND	--	20	2.0	60	--
MAY									
30...	<.5	--	<1	--	ND	60	--	--	80
JUL									
18...	--	--	--	--	--	<10	--	--	--
OCT									
04...	--	--	--	--	--	--	--	--	--
NOV									
06...	--	--	--	--	--	--	--	--	--
JAN , 1974									
24...	--	--	--	--	--	--	--	--	--
FEB									
13...	--	--	--	--	--	--	--	--	--
MAR									
13...	--	--	--	--	--	--	--	--	--
APR									
25...	<.5	--	--	--	--	--	--	40	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 8 near 4-big-gun area

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
DEC , 1972									
15...	--	--	--	--	--	--	--	--	--
19...	1107	--	284	--	--	.030	--	.10	--
FEB , 1973									
01...	1000	--	--	--	--	.200	--	.27	--
JUN									
19...	1000	--	--	7.8	--	.100	--	1.6	--
JUL									
26...	1100	23.0	--	7.2	.020	--	.91	--	.008
AUG									
29...	1230	24.0	--	--	.100	--	.70	--	.040
OCT									
04...	1130	23.5	--	7.7	.050	--	.14	--	.010

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	CARBON, INOR-GANIC, TOTAL (MG/L AS C)
DEC , 1972									
15...	--	--	--	--	--	--	--	--	--
19...	.002	--	.00	--	--	.002	--	--	--
FEB , 1973									
01...	.012	--	.20	--	--	.015	--	--	--
JUN									
19...	.008	--	--	--	--	.010	2.6	13	33
JUL									
26...	--	.51	--	<.010	.010	--	1.0	15	30
AUG									
29...	--	.10	--	<.010	<.010	--	--	--	--
OCT									
04...	--	.17	--	<.010	<.010	--	5.8	29	33

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)
DEC , 1972									
15...	--	--	--	--	--	4.0	--	--	--
19...	--	--	--	--	--	5.4	.4	11	12
FEB , 1973									
01...	--	--	--	--	--	--	--	--	27
JUN									
19...	--	--	146	178	0	--	.3	12	16
JUL									
26...	.0	30	--	--	0	--	--	--	12
AUG									
29...	--	--	--	--	--	--	--	--	12
OCT									
04...	5.0	38	59	72	0	--	--	--	12

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	BORON, TOTAL RECOV-ERABLE (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)
DEC , 1972										
19...	1107	--	<1	--	--	--	--	--	--	--
MAR , 1973										
05...	1340	10	--	--	--	--	2	<20	0	2
JUN										
19...	1000	20	2	2	--	--	3	ND	0	ND
JUL										
26...	1100	--	--	--	<20	--	--	--	--	--
OCT										
04...	1130	--	--	--	--	12	--	--	--	--
NOV										
06...	1120	--	--	--	30	--	--	--	--	--

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
DEC , 1972									
19...	--	--	--	--	--	--	--	--	--
MAR , 1973									
05...	<20	20	2	<10	110	--	1	5	8.0
JUN									
19...	--	20	--	<10	110	<.5	<1	13	--
JUL									
26...	--	--	--	--	--	--	--	--	--
OCT									
04...	--	--	--	--	--	--	--	--	--
NOV									
06...	--	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 9 in irrigation fields

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
DEC , 1972											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	0900	--	754	--	--	.050	--	.35	--	--	--
FEB , 1973											
01...	1000	20.0	--	--	--	.180	--	.44	--	.520	--
MAR											
05...	1320	--	--	--	--	--	--	--	--	--	--
17...	--	--	650	--	--	--	--	--	--	--	--
JUN											
18...	1200	--	650	7.6	--	.380	--	.31	--	.034	--
JUL											
26...	1400	20.0	637	7.5	.340	--	.40	--	.028	--	14.0
AUG											
30...	1100	20.0	--	--	.420	--	.12	--	.180	--	20.0
OCT											
04...	1300	21.5	703	8.1	.360	--	.71	--	.067	--	16.3
NOV											
06...	1200	20.5	--	7.6	.500	--	.02	--	<.010	--	20.0
DEC											
20...	1500	15.0	689	7.7	.370	--	.14	--	.040	--	19.0
JAN , 1974											
24...	1245	20.5	693	7.3	.370	--	.05	--	.020	--	19.0
FEB											
13...	1345	20.5	595	7.4	.310	--	.26	--	.020	--	17.5
MAR											
13...	1300	20.5	677	7.1	.420	--	.05	--	.010	--	21.0
APR											
25...	1430	21.0	661	7.7	.370	--	.20	--	.030	--	19.0
MAY											
15...	1400	21.0	650	7.8	--	.360	--	.00	--	.010	--
JUN											
27...	1445	21.5	600	--	.260	--	.00	--	.020	--	24.0
FEB , 1976											
11...	1000	21.5	--	--	--	.110	--	.00	--	.040	--

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)
DEC , 1972											
15...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	.002	--	--	--	--
FEB , 1973											
01...	19	--	--	--	--	--	.015	--	--	--	--
MAR											
05...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
18...	20	--	--	--	--	--	<.010	1.5	4	55	--
JUL											
26...	--	--	--	--	.005	.010	--	.9	13	45	--
AUG											
30...	--	--	--	--	<.010	.004	--	--	--	--	--
OCT											
04...	--	--	--	--	.003	.019	--	--	12	42	--
NOV											
06...	--	--	--	--	.010	.020	--	2.5	6	--	.0
DEC											
20...	--	--	--	--	.010	.020	--	1.9	3	46	--
JAN , 1974											
24...	--	--	--	--	.010	.020	--	1.6	3	43	--
FEB											
13...	--	--	--	--	<.010	.010	--	.9	23	43	--
MAR											
13...	--	--	--	--	<.010	.010	--	.9	13	40	--
APR											
25...	--	--	--	--	.010	.010	--	--	86	40	--
MAY											
15...	24	--	--	24	--	--	.020	1.5	15	42	--
JUN											
27...	--	--	--	--	.020	.500	--	1.0	9	--	1.0
FEB , 1976											
11...	17	.11	17	17	--	--	.020	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 9 in irrigation fields--Conitnued

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)
DEC , 1972											
15...	--	--	--	--	--	--	--	55	--	--	--
20...	--	--	--	--	--	--	--	56	.2	--	12
FEB , 1973											
01...	--	--	--	--	--	--	--	--	--	--	10
MAR											
05...	--	--	--	3[illegible]	2.2	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	71	--	--	--
JUN											
18...	--	100	141	3[illegible]	2.0	172	0	59	.2	3.6	8.0
JUL											
26...	.0	45	--	--	--	--	0	61	--	--	8.5
AUG											
30...	--	--	--	--	--	--	--	--	--	--	8.9
OCT											
04...	8.0	50	190	36	1.6	232	0	59	--	--	8.4
NOV											
06...	--	--	139	2[illegible]	1.9	170	0	59	--	--	--
DEC											
20...	7.0	53	64	--	--	78	0	54	--	--	--
JAN , 1974											
24...	9.0	52	167	3[illegible]	1.5	204	0	56	--	--	--
FEB											
13...	.0	43	176	3[illegible]	1.9	215	0	55	--	--	--
MAR											
13...	5.0	45	134	37	1.6	163	0	54	--	--	--
APR											
25...	12	52	125	3[illegible]	1.5	152	0	53	--	--	--
MAY											
15...	2.0	44	246	36	1.7	300	0	53	--	2.5	--
JUN											
27...	--	--	--	3[illegible]	1.6	--	--	49	.1	3.5	--
FEB , 1976											
11...	--	--	--	27	--	--	--	47	--	--	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
DEC , 1972												
20...	0900	--	<1	--	--	--	--	--	--	--	--	--
MAR , 1973												
05...	1320	10	--	--	--	--	<2	--	ND	0	ND	ND
JUN												
18...	1200	10	--	4	--	85	<2	--	ND	0	ND	20
JUL												
26...	1400	--	--	--	95	--	--	--	--	--	--	--
OCT												
04...	1300	--	--	--	--	92	--	--	--	--	--	--
NOV												
06...	1200	--	--	--	960	--	--	--	--	--	--	--
DEC												
20...	1500	--	--	1	--	--	--	9	--	--	--	--
JAN , 1974												
24...	1245	--	--	--	80	--	--	--	--	--	--	--
FEB												
13...	1345	--	--	--	720	--	--	--	--	--	--	--
MAR												
13...	1300	--	--	--	680	--	--	--	--	--	--	--
APR												
25...	1430	--	3	--	210	--	--	ND	--	0	--	4
MAY												
15...	1400	--	--	--	150	--	--	--	--	--	--	--
JUN												
27...	1445	--	2	--	210	--	--	ND	--	0	--	17

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 9 in irrigation fields--Conitnued

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
DEC , 1972												
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAR , 1973												
05...	--	20	ND	<10	--	40	--	4	ND	--	.0	20
JUN												
18...	--	<10	6	<10	--	30	<.5	<1	2	200	--	130
JUL												
26...	--	--	--	--	--	--	--	--	--	--	--	--
OCT												
04...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
06...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
20...	9	--	--	--	100	--	--	--	--	--	--	--
JAN , 1974												
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
25...	--	<10	2	--	--	50	<.5	--	--	--	--	40
MAY												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	<10	ND	--	--	33	<.5	--	--	--	--	190

Site 10

DATE	TIME	TEMPERATURE (DEG C)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC , 1972								
15...	--	--	--	--	--	--	--	23
FEB , 1973								
01...	1000	20.0	.250	.18	.110	3.8	.015	--

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
MAR , 1973							
05...	1300	17	20	0	7	40	200

Site 11 near holding ponds

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
DEC , 1972											
15...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1973											
01...	1000	--	--	--	--	.550	--	1.4	--	.026	--
MAR											
05...	1210	--	--	--	--	--	--	--	--	--	--
15...	--	--	290	--	--	--	--	--	--	--	--
17...	--	--	370	--	--	--	--	--	--	--	--
APR											
12...	1630	--	245	--	--	.090	--	.35	--	.110	--
JUL											
25...	1500	23.0	275	7.8	.530	--	.72	--	.190	--	1.00
AUG											
29...	1400	22.5	--	--	.270	--	.32	--	.004	--	1.10
OCT											
04...	1200	22.0	265	8.1	.210	--	.76	--	.008	--	.91
NOV											
06...	1015	21.5	235	7.2	.200	--	.40	--	.010	--	.91

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 11 near holding ponds--Continued

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	.07	--	--	.015	--	--	--	--	--	--
MAR										
05...	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.80	--	--	.002	1.1	--	--	--	--	--
JUL										
25...	--	.015	.030	--	1.5	1	25	.0	25	130
AUG										
29...	--	.004	.026	--	--	--	--	--	--	--
OCT										
04...	--	.004	.020	--	4.5	16	24	6.0	30	116
NOV										
06...	--	.020	.030	--	.9	9	--	--	--	29

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA, DISSOLVED (MG/L AS SIO2)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	12	--
FEB , 1973										
01...	--	--	--	--	--	--	--	--	--	13
MAR										
05...	--	200	57	13	11	2.0	--	--	--	--
15...	--	--	--	--	--	--	--	--	7.0	--
17...	--	--	--	--	--	--	--	--	24	--
APR										
12...	--	--	--	--	--	--	--	--	15	7.4
JUL										
25...	--	--	--	--	--	--	159	0	18	6.6
AUG										
29...	--	--	--	--	--	--	--	--	--	6.7
OCT										
04...	--	110	35	5.7	5.3	.8	142	0	7.0	6.5
NOV										
06...	100	130	40	7.6	5.2	1.2	35	0	7.3	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
MAR , 1973									
05...	1210	10	--	--	ND	ND	0	ND	ND
JUL									
25...	1500	--	58	--	--	--	--	--	--
OCT									
04...	1200	--	--	6	--	--	--	--	--
NOV									
06...	1015	--	40	--	--	--	--	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
MAR , 1973								
05...	40	6	<10	20	10	<2	.0	ND
JUL								
25...	--	--	--	--	--	--	--	--
OCT								
04...	--	--	--	--	--	--	--	--
NOV								
06...	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 12 in 4-big-gun area

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC , 1972									
15...	--	--	--	--	--	--	--	--	--
19...	1200	--	530	--	.050	.89	--	--	--
FEB , 1973									
01...	1000	20.0	--	--	.110	.44	.320	9.8	--
MAR									
05...	1200	--	--	--	--	--	--	--	--
15...	--	--	530	--	--	--	--	--	--
17...	--	--	480	--	--	--	--	--	--
MAY , 1974									
15...	1500	--	590	7.8	.160	.04	.040	20	--
FEB , 1976									
11...	1400	21.5	--	--	.030	.06	.010	18	.09

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	HARDNESS (MG/L AS CACO3)
DEC , 1972									
15...	--	--	--	--	--	--	--	--	--
19...	--	--	.002	--	--	--	--	--	--
FEB , 1973									
01...	--	--	.015	--	--	--	--	--	--
MAR									
05...	--	--	--	--	--	--	--	--	210
15...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
MAY , 1974									
15...	--	20	.010	3.6	24	23	4.0	27	190
FEB , 1976									
11...	18	18	.010	--	--	--	--	--	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC , 1972									
15...	--	--	--	--	61	--	--	--	--
19...	--	--	--	--	63	.3	14	17	--
FEB , 1973									
01...	--	--	--	--	--	--	--	12	--
MAR									
05...	77	5.0	16	2.1	--	--	--	--	--
15...	--	--	--	--	80	--	--	--	--
17...	--	--	--	--	65	--	--	--	--
MAY , 1974									
15...	68	4.2	29	1.8	58	--	2.3	--	448
FEB , 1976									
11...	--	--	21	--	52	--	--	--	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
DEC , 1972									
19...	1200	--	<1	--	--	--	--	--	--
MAR , 1973									
05...	1200	10	--	--	<2	ND	0	ND	ND
MAY , 1974									
15...	1500	--	--	120	--	--	--	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
DEC , 1972								
19...	--	--	--	--	--	--	--	--
MAR , 1973								
05...	20	<2	<10	<10	1	ND	1.0	30
MAY , 1974								
15...	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 13

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
DEC , 1972										
15...	--	37	--	--	--	--	--	--	--	--
19...	1535	37	--	--	--	--	.050	--	--	--
FEB , 1973										
01...	1000	37	--	--	--	--	.020	--	--	--
MAR										
05...	1440	37	--	--	--	--	--	--	--	--
APR										
12...	1500	37	--	150	7.8	--	.040	--	--	--
MAY										
30...	0945	37	--	160	7.8	--	.040	--	.08	--
JUL										
25...	1100	37	23.0	196	7.5	<.010	--	.14	--	.007
AUG										
29...	1000	37	23.0	--	--	<.010	--	.42	--	.007
OCT										
04...	0900	37	22.0	141	7.9	.010	--	.11	--	.005
NOV										
06...	0900	37	21.0	118	7.8	.020	--	.19	--	.010
DEC										
20...	1200	37	21.0	129	7.4	<.010	--	.12	--	.010
JAN , 1974										
24...	1000	37	21.0	105	6.9	.010	--	.36	--	.010
FEB										
13...	1200	37	21.0	97	7.3	.020	--	.07	--	<.010
MAR										
13...	0900	37	21.0	104	7.4	.020	--	.05	--	<.010
APR										
25...	1000	37	22.0	90	7.4	.020	--	.29	--	<.010
MAY										
15...	1330	37	22.5	90	7.9	--	.040	--	.05	--
JUN										
27...	1200	37	22.0	100	--	.020	--	.04	--	.010
APR , 1975										
24...	1100	37	22.0	100	7.6	--	.070	--	.00	--
OCT										
15...	1030	37	22.0	80	7.4	--	.020	--	.03	--
FEB , 1976										
12...	1030	37	21.5	--	--	--	.010	--	.03	--
JUN										
07...	1400	37	22.0	--	--	--	.040	--	.00	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	--	--
19...	.017	--	.00	--	--	--	--	--	.007	--
FEB , 1973										
01...	.009	--	.03	--	--	--	--	--	.009	--
MAR										
05...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.003	--	.05	--	--	--	--	--	.002	1.0
MAY										
30...	.005	--	.02	--	--	--	--	--	<.010	1.1
JUL										
25...	--	.05	--	--	--	--	<.010	.015	--	1.1
AUG										
29...	--	.00	--	--	--	--	<.010	.004	--	--
OCT										
04...	--	.03	--	--	--	--	<.010	.008	--	2.4
NOV										
06...	--	.03	--	--	--	--	<.010	.010	--	1.1
DEC										
20...	--	.02	--	--	--	--	<.010	.020	--	1.1
JAN , 1974										
24...	--	.00	--	--	--	--	.020	.020	--	1.5
FEB										
13...	--	.03	--	--	--	--	.010	.010	--	.1
MAR										
13...	--	.10	--	--	--	--	<.010	.010	--	1.1
APR										
25...	--	.04	--	--	--	--	.010	.010	--	.4
MAY										
15...	.020	--	.04	--	--	.15	--	--	.030	.5
JUN										
27...	--	.09	--	--	--	--	.010	.010	--	.9
APR , 1975										
24...	.040	--	.06	.07	.10	.17	--	--	.060	--
OCT										
15...	.010	--	.10	.05	.11	.16	--	--	.030	--
FEB , 1976										
12...	.010	--	.06	.04	.07	.11	--	--	.020	--
JUN										
07...	.030	--	.08	.04	.11	.15	--	--	.070	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 13--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	--	--	--	--	--	--	--	--	--	--
MAR										
05...	--	--	--	--	--	--	--	--	--	1.9
APR										
12...	0	14	--	9.0	23	71	--	--	--	--
MAY										
30...	6	25	--	7.0	32	67	13	80	30	1.2
JUL										
25...	4	12	--	.0	12	56	--	--	--	--
AUG										
29...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	28	9.0	--	5.0	14	64	0	60	23	.6
NOV										
06...	0	--	5.0	--	--	57	2	59	22	.9
DEC										
20...	4	34	.0	--	34	53	0	45	17	.7
JAN , 1974										
24...	26	14	13	--	27	48	4	52	20	.6
FEB										
13...	20	10	--	.0	10	44	3	47	18	.5
MAR										
13...	11	11	--	3.0	14	57	0	47	18	.5
APR										
25...	4	9.0	--	1.0	10	41	7	48	17	1.3
MAY										
15...	1	10	--	.0	10	48	4	52	20	.6
JUN										
27...	0	--	.0	--	--	--	--	44	16	.9
APR , 1975										
24...	--	--	--	--	--	47	--	--	--	--
OCT										
15...	--	--	--	--	--	39	--	--	--	--
FEB , 1976										
12...	--	--	--	--	--	--	--	--	--	--
JUN										
07...	--	--	--	--	--	--	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC , 1972									
15...	--	--	--	--	3.0	--	--	--	--
19...	--	--	--	--	--	.2	--	4.0	--
FEB , 1973									
01...	--	--	--	--	--	--	--	3.5	--
MAR									
05...	1.9	.5	--	--	--	--	--	--	--
APR									
12...	--	--	86	0	2.0	.2	2.4	4.7	84
MAY									
30...	1.5	.6	82	0	3.0	.1	10	3.0	98
JUL									
25...	--	--	68	0	2.0	--	--	3.5	--
AUG									
29...	--	--	--	--	--	--	--	4.5	--
OCT									
04...	1.3	.4	78	0	1.5	--	--	4.3	--
NOV									
06...	1.2	.8	69	0	2.1	--	--	--	--
DEC									
20...	1.5	.5	65	0	.7	--	--	--	--
JAN , 1974									
24...	1.6	.4	58	0	1.9	--	--	--	--
FEB									
13...	1.0	.3	54	0	1.8	--	--	--	--
MAR									
13...	1.2	.4	70	0	2.2	--	--	--	--
APR									
25...	.7	.6	50	0	2.4	--	--	--	--
MAY									
15...	1.1	.4	58	0	2.4	--	.6	--	50
JUN									
27...	1.2	.4	--	--	1.9	.1	1.1	--	21
APR , 1975									
24...	--	--	57	0	1.6	--	--	--	--
OCT									
15...	1.1	--	48	0	2.2	--	--	--	--
FEB , 1976									
12...	2.9	--	--	--	3.6	--	--	--	--
JUN									
07...	1.3	--	--	--	2.7	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 13--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
AUG , 1976									
25...	1100	37	22.0	76	--	.010	.08	.010	.03
MAR , 1977									
28...	1400	37	21.0	87	--	.010	.04	.010	.04
SEP									
22...	1430	37	22.5	110	--	.070	.07	<.010	.09
AUG , 1978									
25...	1100	37	--	123	--	.010	.03	.020	.19
28...	1445	37	--	120	7.6	.010	.03	.020	.09
JAN , 1979									
05...	0920	37	--	94	8.1	.020	.10	.010	.07
JUN									
27...	1430	37	--	127	--	.070	--	<.010	.02
OCT									
09...	1550	37	--	108	--	--	--	--	--
JAN , 1980									
31...	1210	37	--	91	--	.040	.00	.000	.03
APR									
24...	1420	37	--	79	--	--	--	.000	.04
AUG									
07...	1500	37	--	72	--	.080	.11	.000	.03
DEC									
05...	0950	37	--	91	--	.180	.46	.000	.03
APR , 1981									
30...	1530	37	--	77	--	.010	.02	.000	.02

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
AUG , 1976									
25...	.09	.04	.13	.070	--	--	--	--	--
MAR , 1977									
28...	.05	.05	.10	.030	--	--	--	--	--
SEP									
22...	.14	.09	.23	.060	--	--	--	--	--
AUG , 1978									
25...	.04	.21	.25	.020	--	--	--	--	--
28...	.04	.11	.15	.030	--	--	--	--	--
JAN , 1979									
05...	.12	.08	.20	.030	40	10	50	19	.6
JUN									
27...	--	.02	--	.060	--	--	--	--	--
OCT									
09...	--	.03	--	--	--	--	--	--	--
JAN , 1980									
31...	.04	.03	.07	--	--	--	--	--	--
APR									
24...	--	.04	--	--	--	--	--	--	--
AUG									
07...	.19	.03	.22	.140	--	--	--	--	--
DEC									
05...	.64	.03	.67	.480	--	--	--	--	--
APR , 1981									
30...	.03	.02	.05	.020	--	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
AUG , 1976									
25...	1.3	--	2.1	--	--	--	--	--	--
MAR , 1977									
28...	.9	--	2.9	--	--	--	--	--	--
SEP									
22...	.1	--	2.9	--	--	--	--	--	--
AUG , 1978									
25...	1.7	--	4.3	--	--	--	--	--	--
28...	1.5	--	5.3	--	--	--	--	23.37	17.79
JAN , 1979									
05...	1.2	.3	2.4	.1	.2	3.2	81	26.01	--
JUN									
27...	--	--	4.0	--	--	--	--	20.79	--
OCT									
09...	--	--	3.4	--	--	--	--	18.90	--
JAN , 1980									
31...	--	--	2.0	--	--	--	--	--	--
APR									
24...	--	--	2.1	--	--	--	--	19.57	--
AUG									
07...	--	--	3.4	--	--	--	--	21.25	--
DEC									
05...	--	--	5.0	--	--	--	--	25.16	--
APR , 1981									
30...	--	--	2.5	--	--	--	--	23.13	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 13--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
DEC , 1972										
19...	1535	--	--	<1	--	--	--	--	--	--
MAR , 1973										
05...	1440	10	--	--	--	--	<2	--	ND	0
MAY										
30...	0945	--	--	1	--	--	--	<2	--	--
JUL										
25...	1100	--	--	--	<20	--	--	--	--	--
OCT										
04...	0900	--	--	--	--	6	--	--	--	--
NOV										
06...	0900	--	--	--	50	--	--	--	--	--
DEC										
20...	1200	--	<1	--	--	--	--	9	--	--
JAN , 1974										
24...	1000	--	--	--	<20	--	--	--	--	--
FEB										
13...	1200	--	--	--	<20	--	--	--	--	--
MAR										
13...	0900	--	--	--	<20	--	--	--	--	--
APR										
25...	1000	--	<1	--	<20	--	--	<2	--	0
MAY										
15...	1330	--	--	--	5	--	--	--	--	--
JUN										
27...	1200	--	<1	--	8	--	--	3	--	0

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)
DEC , 1972										
19...	--	--	--	--	--	--	--	--	--	--
MAR , 1973										
05...	--	ND	--	ND	--	20	<2	--	<10	--
MAY										
30...	20	--	ND	--	30	--	--	38	--	<10
JUL										
25...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	--	--	--	--	--	--	--	--	--	--
DEC										
20...	--	--	--	2	--	<10	13	--	--	--
JAN , 1974										
24...	--	--	--	--	--	--	--	--	--	--
FEB										
13...	--	--	--	--	--	--	--	--	--	--
MAR										
13...	--	--	--	--	--	--	--	--	--	--
APR										
25...	--	--	--	2	--	<10	ND	--	--	--
MAY										
15...	--	--	--	--	--	--	--	--	--	--
JUN										
27...	--	--	--	7	--	<10	5	--	--	--

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
DEC , 1972										
19...	--	--	--	--	--	--	--	--	--	--
MAR , 1973										
05...	--	120	--	6	--	ND	--	--	.0	<20
MAY										
30...	70	--	<.5	--	1	--	3	80	--	--
JUL										
25...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	--	--	--	--	--	--	--	--	--	--
DEC										
20...	--	14	--	--	--	--	--	--	--	40
JAN , 1974										
24...	--	--	--	--	--	--	--	--	--	--
FEB										
13...	--	--	--	--	--	--	--	--	--	--
MAR										
13...	--	--	--	--	--	--	--	--	--	--
APR										
25...	--	25	<.5	--	--	--	--	--	--	4
MAY										
15...	--	--	--	--	--	--	--	--	--	--
JUN										
27...	--	17	<.5	--	--	--	--	--	--	3

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 14

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
DEC , 1972										
15...	--	55	--	--	--	--	--	--	--	--
20...	1020	55	--	--	--	--	.040	--	--	--
FEB , 1973										
01...	1000	55	20.0	--	--	--	.030	--	--	--
MAR										
05...	1430	55	--	--	--	--	--	--	--	--
17...	--	55	--	110	--	--	--	--	--	--
APR										
12...	1450	55	--	108	7.4	--	.040	--	--	--
MAY										
30...	1015	55	--	--	7.7	--	.040	--	.06	--
JUL										
25...	1400	55	22.0	--	--	.010	--	.37	--	.006
AUG										
29...	1030	55	21.5	--	--	<.010	--	.54	--	.006
OCT										
04...	1000	55	23.0	--	7.8	.030	--	.63	--	.009
NOV										
06...	0930	55	--	87	8.0	.020	--	.01	--	.010
DEC										
20...	1300	55	20.0	--	7.9	<.010	--	.25	--	.010
JAN , 1974										
24...	1100	55	20.5	88	7.1	.010	--	.07	--	.010
FEB										
13...	1100	55	20.5	77	7.9	.030	--	.71	--	<.010
MAR										
13...	1000	55	20.0	87	7.4	.020	--	.06	--	<.010
APR										
25...	1100	55	20.5	81	7.0	.030	--	.32	--	<.010
MAY										
15...	1200	55	21.0	100	--	--	.060	--	.17	--
JUN										
27...	1400	55	21.5	--	--	--	.050	--	.01	--
APR , 1975										
24...	1000	55	20.5	100	7.9	--	.060	--	.00	--
OCT										
14...	1410	55	--	87	--	--	.070	--	.01	--
14...	1430	55	--	83	--	--	.030	--	.00	--
14...	1600	55	--	83	--	--	.090	--	.08	--
JAN , 1976										
23...	1500	55	20.0	--	--	--	.060	--	.00	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	--	--
20...	.012	--	.00	--	--	--	--	--	.007	--
FEB , 1973										
01...	.011	--	.03	--	--	--	--	--	.009	--
MAR										
05...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
APR										
12...	.003	--	.07	--	--	--	--	--	.002	--
MAY										
30...	.005	--	.06	--	--	--	--	--	.010	.5
JUL										
25...	--	.00	--	--	--	--	<.010	.005	--	.6
AUG										
29...	--	.00	--	--	--	--	<.010	.008	--	--
OCT										
04...	--	.09	--	--	--	--	<.010	.004	--	2.2
NOV										
06...	--	.02	--	--	--	--	<.010	.010	--	.5
DEC										
20...	--	.06	--	--	--	--	<.010	.010	--	3.7
JAN , 1974										
24...	--	.02	--	--	--	--	.020	.020	--	1.2
FEB										
13...	--	.04	--	--	--	--	<.010	<.010	--	1.4
MAR										
13...	--	.07	--	--	--	--	<.010	.010	--	1.3
APR										
25...	--	.06	--	--	--	--	<.010	<.010	--	.6
MAY										
15...	.020	--	.04	--	--	--	--	--	.020	.7
JUN										
27...	.030	--	.09	.06	.12	.18	--	--	.050	.4
APR , 1975										
24...	.050	--	.04	.06	.09	.15	--	--	.020	--
OCT										
14...	.040	--	.06	.08	.10	.16	--	--	.040	--
14...	.030	--	.06	.03	.09	.12	--	--	.030	--
14...	.070	--	.02	.17	.09	.26	--	--	.060	--
JAN , 1976										
23...	.040	--	.02	.06	.06	.12	--	--	.100	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 14--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC , 1972										
15...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
FEB , 1973										
01...	--	--	--	--	--	--	--	--	--	--
MAR										
05...	--	--	--	--	--	--	--	75	28	1.2
17...	--	--	--	--	--	--	--	--	--	--
APR										
12...	2	7.5	--	8.0	16	46	0	44	16	.9
MAY										
30...	16	19	--	5.0	24	57	9	67	25	1.0
JUL										
25...	9	8.0	--	2.0	10	46	--	--	--	--
AUG										
29...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	32	11	--	11	22	61	0	53	20	.8
NOV										
06...	6	--	3.0	--	--	49	0	44	16	1.1
DEC										
20...	24	8.0	--	4.0	12	72	--	--	--	--
JAN , 1974										
24...	16	26	--	.0	26	51	0	39	14	.9
FEB										
13...	1	8.0	--	.0	8.0	31	4	35	13	.7
MAR										
13...	13	10	--	.0	10	44	0	38	14	.7
APR										
25...	8	7.0	--	2.0	9.0	34	4	38	14	.7
MAY										
15...	6	9.0	--	.0	9.0	--	--	33	12	.7
JUN										
27...	6	--	9.0	--	--	--	--	35	13	.7
APR , 1975										
24...	--	--	--	--	--	--	--	--	--	--
OCT										
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
JAN , 1976										
23...	--	--	--	--	--	--	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC , 1972									
15...	--	--	--	--	2.0	--	--	--	--
20...	--	--	--	--	2.0	.2	5.8	6.5	--
FEB , 1973									
01...	--	--	--	--	--	--	--	6.3	--
MAR									
05...	1.6	.6	--	--	--	--	--	--	--
17...	--	--	--	--	4.0	--	--	--	--
APR									
12...	1.7	.6	56	0	3.0	.2	3.2	6.3	68
MAY									
30...	1.4	.6	70	0	2.1	.2	--	5.0	89
JUL									
25...	--	--	56	0	2.0	--	--	7.0	--
AUG									
29...	--	--	--	--	--	--	--	7.0	--
OCT									
04...	1.5	.5	74	0	2.5	--	--	6.7	--
NOV									
06...	1.3	.7	59	0	2.2	--	--	--	--
DEC									
20...	--	--	88	0	1.0	--	--	--	--
JAN , 1974									
24...	1.6	.3	62	0	1.3	--	--	--	--
FEB									
13...	1.3	.4	38	0	1.4	--	--	--	--
MAR									
13...	1.3	.4	54	0	1.6	--	--	--	--
APR									
25...	1.2	.6	42	0	2.3	--	--	--	--
MAY									
15...	1.2	.4	--	--	1.6	--	.4	--	36
JUN									
27...	.9	.3	--	--	1.7	<.1	2.1	--	48
APR , 1975									
24...	--	--	--	0	1.6	--	--	--	--
OCT									
14...	1.8	--	--	--	3.2	--	--	--	--
14...	1.5	--	--	--	1.8	--	--	--	--
14...	1.7	--	--	--	2.2	--	--	--	--
JAN , 1976									
23...	2.2	--	--	--	2.1	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 14--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
JUN , 1976									
07...	1500	55	21.5	--	--	.050	.00	.020	.05
AUG									
26...	1300	55	21.0	85	--	.040	.03	.010	.04
FEB , 1977									
16...	1200	55	20.0	--	--	.010	.23	.020	.02
MAR									
28...	1000	55	20.5	74	--	.010	.00	.020	.03
SEP									
27...	1500	55	22.0	--	--	.020	.19	.060	.15
AUG , 1978									
22...	1335	55	--	86	--	--	--	--	--
24...	1130	55	--	79	--	.080	.00	.030	.01
25...	0825	55	--	78	--	.080	.00	.030	.01
28...	1335	55	--	78	8.6	.200	.00	.050	.00
JAN , 1979									
04...	1530	55	--	76	8.6	<.010	.02	<.010	.04
30...	1230	55	--	79	8.5	.040	.01	<.010	.02
MAR									
19...	1520	55	--	86	8.4	<.010	.18	<.010	.06
APR									
11...	1400	55	--	81	8.3	--	--	--	.05
JUN									
27...	1400	55	--	82	8.3	.050	.01	<.010	.05
OCT									
09...	1440	55	--	79	8.4	--	--	--	--
NOV									
13...	1540	55	--	78	8.4	--	--	.000	.03
JAN , 1980									
31...	1120	55	--	77	--	--	--	.000	.04
FEB									
28...	1530	55	--	76	--	--	--	.000	.03
APR									
24...	1310	55	--	70	--	.100	.13	.010	.02
JUN									
27...	1000	55	--	93	--	.040	.23	.000	.04
AUG									
07...	1315	55	--	95	--	--	--	.000	.05
OCT									
22...	1515	55	--	87	--	.010	.22	.000	.05
DEC									
05...	0915	55	--	77	--	--	--	.000	.03

DATE	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
JUN , 1976									
07...	.05	.07	.12	.030	--	--	--	--	--
AUG									
26...	.07	.05	.12	.030	--	--	--	--	--
FEB , 1977									
16...	.24	.04	.28	.060	--	--	--	--	--
MAR									
28...	.01	.05	.06	.020	--	--	--	--	--
SEP									
27...	.21	.21	.42	.090	--	--	--	--	--
AUG , 1978									
22...	--	--	--	--	--	--	--	--	--
24...	.08	.04	.12	.040	--	--	--	--	--
25...	.08	.04	.12	.030	--	--	--	--	--
28...	.20	.05	.25	.080	--	--	--	--	--
JAN , 1979									
04...	.02	.04	.06	.010	32	6	38	14	.8
30...	.05	.02	.07	.040	--	--	--	--	--
MAR									
19...	.18	.06	.24	.030	--	--	--	--	--
APR									
11...	--	--	--	--	--	--	--	--	--
JUN									
27...	.06	.05	.11	.060	41	0	36	13	.8
OCT									
09...	--	.07	--	--	--	--	--	--	--
NOV									
13...	--	.03	--	--	--	--	--	--	--
JAN , 1980									
31...	--	.04	--	--	--	--	--	--	--
FEB									
28...	--	.03	--	--	--	--	--	--	--
APR									
24...	.23	.03	.26	.020	--	--	--	--	--
JUN									
27...	.27	.04	.31	.040	--	--	--	--	--
AUG									
07...	--	.05	--	--	--	--	--	--	--
OCT									
22...	.23	.05	.28	.000	--	--	--	--	--
DEC									
05...	--	.03	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 14--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1976									
07...	1.5	--	1.9	--	--	--	--	--	--
AUG									
26...	1.4	--	1.7	--	--	--	--	--	--
FEB , 1977									
16...	1.1	--	1.5	--	--	--	--	--	--
MAR									
28...	.9	--	3.2	--	--	--	--	--	--
SEP									
27...	.7	--	3.6	--	--	--	--	--	--
AUG , 1978									
22...	--	--	1.6	--	--	--	--	--	--
24...	1.3	--	2.2	--	--	--	--	--	--
25...	1.3	--	2.2	--	--	--	--	--	--
28...	1.3	--	1.6	--	--	--	--	24.77	19.35
JAN , 1979									
04...	1.3	.3	1.6	<.1	.3	6.6	47	27.80	--
30...	--	--	1.6	--	--	--	--	25.57	--
MAR									
19...	--	--	2.2	--	--	--	--	--	--
APR									
11...	--	--	--	--	--	--	--	24.10	--
JUN									
27...	1.7	.4	1.9	<.1	.2	6.4	48	22.29	--
OCT									
09...	--	--	2.0	--	--	--	--	20.06	--
NOV									
13...	--	--	1.4	--	--	--	--	22.29	--
JAN , 1980									
31...	--	--	1.0	--	--	--	--	--	--
FEB									
28...	--	--	2.2	--	--	--	--	25.43	--
APR									
24...	--	--	2.0	--	--	--	--	20.95	--
JUN									
27...	--	--	2.5	--	--	--	--	23.87	--
AUG									
07...	--	--	1.4	--	--	--	--	22.72	--
OCT									
22...	--	--	1.6	--	--	--	--	25.84	--
DEC									
05...	--	--	1.4	--	--	--	--	26.62	--

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
MAR , 1981								
13...	0930	55	56	--	--	--	--	23.43
APR								
30...	1500	55	--	.000	.33	.33	1.5	24.55

DATE	TIME	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
DEC , 1972											
20...	1020	--	<1	--	--	--	--	2	--	--	ND
MAR , 1973											
05...	1430	10	--	--	--	--	ND	--	ND	0	--
APR											
12...	1450	10	2	--	--	--	ND	--	<20	0	--
MAY											
30...	1015	--	--	2	--	--	--	ND	--	--	20
JUL											
25...	1400	--	--	--	1	--	--	--	--	--	--
OCT											
04...	1000	--	--	--	--	2	--	--	--	--	--
NOV											
06...	0930	--	--	--	<20	--	--	--	--	--	--
JAN , 1974											
24...	1100	--	--	--	60	--	--	--	--	--	--
FEB											
13...	1100	--	--	--	<20	--	--	--	--	--	--
MAR											
13...	1000	--	--	--	<20	--	--	--	--	--	--
APR											
25...	1100	--	<1	--	6	--	--	<2	--	0	--
MAY											
15...	1200	--	--	--	<20	--	--	--	--	--	--
JUN											
27...	1400	--	<1	--	<20	--	--	ND	--	0	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 14--Continued

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
DEC , 1972										
20...	--	<2	--	--	--	--	52	--	<10	30
MAR , 1973										
05...	ND	--	ND	--	30	<2	--	<10	--	--
APR										
12...	ND	--	ND	--	<10	<2	--	<10	--	--
MAY										
30...	--	ND	--	<20	--	--	24	--	<10	60
JUL										
25...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	--	--	--	--	--	--	--	--	--	--
JAN , 1974										
24...	--	--	--	--	--	--	--	--	--	--
FEB										
13...	--	--	--	--	--	--	--	--	--	--
MAR										
13...	--	--	--	--	--	--	--	--	--	--
APR										
25...	--	--	7	--	<10	NE	--	--	--	--
MAY										
15...	--	--	--	--	--	--	--	--	--	--
JUN										
27...	--	--	5	--	<10	NE	--	--	--	--

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
DEC , 1972										
20...	--	--	--	2	--	11	--	--	--	180
MAR , 1973										
05...	20	--	2	--	ND	--	--	1.0	6	--
APR										
12...	<10	--	<1	--	ND	--	40	.0	<20	--
MAY										
30...	--	<.5	--	--	--	6	100	--	--	160
JUL										
25...	--	--	--	--	--	--	--	--	--	--
OCT										
04...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	--	--	--	--	--	--	--	--	--	--
JAN , 1974										
24...	--	--	--	--	--	--	--	--	--	--
FEB										
13...	--	--	--	--	--	--	--	--	--	--
MAR										
13...	--	--	--	--	--	--	--	--	--	--
APR										
25...	25	<.5	--	--	--	--	--	--	9	--
MAY										
15...	--	--	--	--	--	--	--	--	--	--
JUN										
27...	17	<.5	--	--	--	--	--	--	ND	--

Site 15 in 4-big-gun area

DATE	TIME	TEMPER-ATURE (DEG C)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
FEB , 1973							
01...	1000	20.0	.450	.07	.093	20	.009

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
MAR , 1973												
05...	1420	130	20	30	0	9	40	270	<10	1	29	35

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 16 near holding ponds

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
DEC , 1972												
19...	1010	67	--	816	--	--	4.30	--	.26	--	.079	--
FEB , 1973												
01...	1000	67	--	--	--	--	5.80	--	.20	--	.024	--
MAR												
05...	1410	67	--	--	--	--	--	--	--	--	--	--
15...	--	67	--	650	--	--	--	--	--	--	--	--
17...	--	67	--	760	--	--	--	--	--	--	--	--
JUN												
13...	1400	67	--	745	7.6	--	5.40	--	.00	--	--	--
JUL												
26...	0800	67	23.5	677	7.5	3.40	--	.00	--	.008	--	.63
AUG												
30...	0830	67	24.0	--	--	2.70	--	.15	--	.008	--	.90
OCT												
04...	1400	67	24.0	636	8.0	2.60	--	.47	--	.012	--	.07
NOV												
06...	1040	67	23.0	485	8.0	2.50	--	.04	--	<.010	--	2.70

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)
DEC , 1972												
19...	.09	--	--	.007	--	--	--	--	--	--	--	--
FEB , 1973												
01...	.00	--	--	.009	--	--	--	--	--	--	--	--
MAR												
05...	--	--	--	--	--	--	--	--	--	--	--	290
15...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
13...	--	--	--	.015	6.2	17	62	--	128	248	30	280
JUL												
26...	--	.010	.010	--	1.0	9	69	1.0	70	155	--	--
AUG												
30...	--	<.010	.002	--	--	--	--	--	--	--	--	--
OCT												
04...	--	.007	.018	--	6.3	28	--	6.0	--	190	83	270
NOV												
06...	--	--	.010	--	.8	16	--	.0	--	190	0	130

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC , 1972											
19...	--	--	--	--	--	--	76	.2	27	11	--
FEB , 1973											
01...	--	--	--	--	--	--	--	--	--	12	--
MAR											
05...	93	15	45	5.1	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	76	--	--	--	--
17...	--	--	--	--	--	--	73	--	--	--	--
JUN											
13...	88	14	47	5.7	302	0	73	.2	25	11	458
JUL											
26...	--	--	--	--	189	0	71	--	--	12	--
AUG											
30...	--	--	--	--	--	--	--	--	--	13	--
OCT											
04...	88	13	44	4.4	232	0	65	--	--	12	--
NOV											
06...	27	14	39	4.4	232	0	63	--	--	--	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)
DEC , 1972									
19...	1010	--	<1	--	--	--	--	--	--
MAR , 1973									
05...	1410	10	--	--	--	--	ND	--	ND
JUN									
13...	1400	--	--	3	--	--	--	3	--
JUL									
26...	0800	--	--	--	142	--	--	--	--
OCT									
04...	1400	--	--	--	--	140	--	--	--
NOV									
06...	1040	--	--	--	480	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 16 near holding ponds--Continued

DATE	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)
DEC , 1972									
19...	--	--	--	--	--	--	--	--	--
MAR , 1973									
05...	0	--	ND	--	ND	20	ND	<10	--
JUN									
13...	--	50	--	7	--	--	--	--	<10
JUL									
26...	--	--	--	--	--	--	--	--	--
OCT									
04...	--	--	--	--	--	--	--	--	--
NOV									
06...	--	--	--	--	--	--	--	--	--

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
DEC , 1972								
19...	--	--	--	--	--	--	--	--
MAR , 1973								
05...	--	2	--	7	--	--	.0	30
JUN								
13...	<.5	--	1	--	22	160	--	--
JUL								
26...	--	--	--	--	--	--	--	--
OCT								
04...	--	--	--	--	--	--	--	--
NOV								
06...	--	--	--	--	--	--	--	--

Site 17

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
DEC , 1973										
12...	1330	152	21.0	312	7.4	.040	--	.27	--	.010
JAN , 1974										
22...	1330	152	21.5	312	7.4	.090	--	.12	--	.010
FEB										
12...	1200	152	21.0	309	7.8	.060	--	.06	--	<.010
MAR										
14...	1100	152	21.5	322	7.5	.020	--	.06	--	.010
APR										
03...	1300	152	21.5	319	7.9	.030	--	.26	--	<.010
MAY										
09...	1430	152	22.0	400	7.8	--	.030	--	.12	--
JUN										
20...	1315	152	21.5	380	--	--	.010	--	.05	--
SEP										
04...	1515	152	21.0	300	7.9	--	.020	--	.00	--
FEB , 1975										
03...	1300	152	21.0	281	7.9	--	.020	--	.00	--
APR										
08...	1300	152	21.5	280	7.9	--	.010	--	.04	--
JUN										
26...	1420	152	21.0	292	7.9	--	.030	--	.16	--
OCT										
07...	1130	152	21.0	326	7.6	--	.010	--	.05	--
JAN , 1976										
28...	1500	152	21.5	265	8.1	--	.030	--	.00	--
MAY										
13...	0900	152	21.0	283	--	--	.010	--	.00	--
AUG										
31...	1100	152	21.0	296	--	--	.010	--	.03	--
MAR , 1977										
23...	1110	152	21.0	269	--	--	<.010	--	.08	--
JUN										
29...	1245	152	--	--	--	--	.010	--	.00	--
SEP										
14...	1320	152	22.5	280	--	--	.010	--	.00	--
NOV										
02...	1150	152	21.0	286	--	--	.010	--	.00	--
DEC										
19...	1200	152	21.5	282	--	--	.010	--	.00	--
FEB , 1978										
27...	1130	152	21.0	263	7.7	--	.010	--	.00	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 17--Continued

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
DEC , 1973										
12...	--	6.60	--	--	--	--	.010	.020	--	.2
JAN , 1974										
22...	--	7.50	--	--	--	--	<.010	.020	--	.3
FEB										
12...	--	5.20	--	--	--	--	.010	.020	--	.2
MAR										
14...	--	7.00	--	--	--	--	.010	.020	--	.4
APR										
03...	--	6.30	--	--	--	--	.010	.010	--	.2
MAY										
09...	.010	--	6.5	--	--	6.7	--	--	.020	.1
JUN										
20...	.010	--	8.1	.06	8.1	8.2	--	--	.020	.3
SEP										
04...	.010	--	7.6	.02	7.6	7.6	--	--	.040	.8
FEB , 1975										
03...	.010	--	8.0	.02	8.0	8.0	--	--	.020	.3
APR										
08...	.020	--	7.5	.05	7.5	7.6	--	--	.010	--
JUN										
26...	.010	--	4.8	.19	4.8	5.0	--	--	.020	.4
OCT										
07...	<.010	--	5.2	.06	5.2	5.3	--	--	.020	--
JAN , 1976										
28...	.010	--	3.4	.03	3.4	3.4	--	--	.050	--
MAY										
13...	<.010	--	5.3	.01	5.3	5.3	--	--	.020	--
AUG										
31...	<.010	--	6.0	.04	6.0	6.0	--	--	.030	--
MAR , 1977										
23...	<.010	--	4.4	.08	4.4	4.5	--	--	.020	--
JUN										
29...	<.010	--	3.3	.01	3.3	3.3	--	--	.100	.3
SEP										
14...	<.010	--	1.9	.01	1.9	1.9	--	--	.020	--
NOV										
02...	<.010	--	4.8	.01	4.8	4.8	--	--	.020	--
DEC										
19...	<.010	--	3.8	.01	3.8	3.8	--	--	.020	--
FEB , 1978										
27...	<.010	--	3.7	.01	3.7	3.7	--	--	.020	.4

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC , 1973									
12...	21	20	.0	20	84	36	120	34	9.2
JAN , 1974									
22...	22	20	.0	20	85	35	120	39	6.4
FEB									
12...	18	17	.0	17	78	42	120	37	6.5
MAR									
14...	8	21	.0	21	83	37	120	38	6.8
APR									
03...	8	19	1.0	20	86	44	130	41	6.6
MAY									
09...	0	22	.0	22	89	49	140	44	6.7
JUN									
20...	1	25	.0	25	--	--	120	38	6.6
SEP									
04...	5	20	.0	20	85	35	120	39	6.4
FEB , 1975									
03...	4	--	.0	--	82	37	120	37	6.4
APR									
08...	--	--	.0	--	90	--	--	--	--
JUN									
26...	4	--	.0	--	89	21	110	35	6.1
OCT									
07...	--	--	--	--	--	--	--	--	--
JAN , 1976									
28...	--	--	--	--	98	10	110	34	5.8
MAY									
13...	--	--	--	--	--	--	--	--	--
AUG									
31...	--	--	--	--	--	--	--	--	--
MAR , 1977									
23...	--	--	6.0	--	--	--	--	--	--
JUN									
29...	2	--	--	--	95	21	120	36	6.3
SEP									
14...	--	--	--	--	--	--	--	--	--
NOV									
02...	1	--	--	--	--	--	--	--	--
DEC									
19...	--	--	--	--	--	--	--	--	--
FEB , 1978									
27...	6	--	--	--	90	23	110	35	6.2

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 17--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
DEC , 1973									
12...	14	.7	102	0	24	--	--	--	--
JAN , 1974									
22...	12	.7	104	0	24	--	--	--	--
FEB									
12...	13	.7	95	0	24	--	--	--	--
MAR									
14...	13	.7	101	0	24	--	--	--	--
APR									
03...	14	1.1	105	0	23	--	--	--	--
MAY									
09...	14	.8	108	0	23	--	5.3	--	216
JUN									
20...	14	.7	--	--	23	.1	6.0	--	206
SEP									
04...	13	.6	104	0	20	--	--	--	--
FEB , 1975									
03...	12	.6	100	0	21	<.1	5.2	7.5	166
APR									
08...	--	--	110	0	16	--	--	--	--
JUN									
26...	11	.7	109	0	17	<.1	5.7	7.0	166
OCT									
07...	11	--	--	0	17	--	--	--	--
JAN , 1976									
28...	11	.6	120	0	15	.1	5.4	6.7	144
MAY									
13...	11	--	--	--	15	--	--	--	--
AUG									
31...	12	--	--	--	17	--	--	--	--
MAR , 1977									
23...	10	--	--	--	15	--	--	--	--
JUN									
29...	11	.6	116	0	16	<.1	6.0	7.5	162
SEP									
14...	10	--	--	--	15	--	--	--	--
NOV									
02...	11	--	--	--	16	--	--	--	--
DEC									
19...	11	--	--	--	14	--	--	--	--
FEB , 1978									
27...	10	.7	110	0	15	.1	4.5	7.5	127

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
JUN , 1978											
01...	0720	152	29	8.6	21.5	260	7.8	<.010	.00	<.010	4.2
AUG											
22...	1325	152	25	8.0	22.0	295	7.9	.020	.00	.010	3.6
DEC											
26...	1400	152	23	11	21.0	262	7.9	.010	.06	<.010	3.1
MAR , 1979											
21...	1425	152	22	12	21.0	256	7.8	<.010	.02	<.010	3.0
JUL											
17...	1445	152	20	11	21.0	265	7.7	<.010	.20	<.010	3.5
NOV											
14...	1000	152	22	12	21.0	257	7.9	.020	.01	.000	3.4
FEB , 1980											
28...	1125	152	28	8.8	21.0	258	7.9	.050	.00	.000	3.0
JUN											
09...	1610	152	77	8.6	21.0	244	7.8	.000	.00	.000	3.2
AUG											
06...	1445	152	46	8.1	21.5	253	7.9	.000	.10	.000	4.1
NOV											
13...	1105	152	25	10	21.5	255	7.9	--	--	.010	3.9
FEB , 1981											
03...	1405	152	29	10	21.5	243	7.9	.020	.00	.000	3.0

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 17--Continued

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JUN , 1978											
01...	<.10	4.2	4.2	.020	--	--	--	--	--	--	9.6
AUG											
22...	.02	3.6	3.6	.010	--	--	--	--	--	--	9.7
DEC											
26...	.07	3.1	3.2	.020	--	97	34	130	40	7.5	9.6
MAR , 1979											
21...	.02	3.0	3.0	.060	--	--	--	--	--	--	--
JUL											
17...	.20	3.5	3.7	.200	--	99	11	110	34	6.0	9.6
NOV											
14...	.03	3.4	3.4	.030	--	--	--	100	33	5.4	10
FEB , 1980											
28...	.05	3.0	3.0	.040	--	--	--	--	--	--	--
JUN											
09...	.00	3.2	3.2	.060	--	--	--	--	--	--	--
AUG											
06...	.10	4.1	4.2	.020	2.1	--	--	120	36	6.4	9.4
NOV											
13...	--	3.9	--	--	--	--	--	--	--	--	--
FEB , 1981											
03...	.02	3.1	3.1	.020	.0	--	--	120	38	5.7	8.5

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1978										
01...	--	--	--	14	--	--	--	--	28.15	19.93
AUG										
22...	--	--	--	14	--	--	--	--	27.19	20.89
DEC										
26...	.6	--	--	13	.1	4.7	7.4	139	30.70	17.79
MAR , 1979										
21...	--	--	--	13	--	--	--	--	25.80	22.65
JUL										
17...	.8	--	--	14	.1	.9	6.7	150	25.10	23.40
NOV										
14...	.6	--	--	13	.1	6.4	--	--	24.90	23.57
FEB , 1980										
28...	--	105	.00	15	--	--	--	--	27.80	20.68
JUN										
09...	--	105	.00	14	--	--	--	--	25.07	23.41
AUG										
06...	.6	110	.00	13	.1	6.0	--	--	25.14	23.34
NOV										
13...	--	--	--	13	--	--	--	--	28.71	19.77
FEB , 1981										
03...	.5	101	.00	13	.2	7.3	--	--	30.22	18.26

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
DEC , 1973											
12...	1330	--	<1	--	--	--	--	9	--	--	--
JAN , 1974											
22...	1330	--	--	--	--	230	--	--	--	--	--
FEB											
12...	1200	--	--	--	--	120	--	--	--	--	--
MAR											
14...	1100	--	--	--	--	250	--	--	--	--	--
APR											
03...	1300	--	3	--	--	40	--	ND	--	--	--
MAY											
09...	1430	--	--	--	--	50	--	--	--	--	--
JUN											
20...	1315	--	5	--	--	390	--	--	--	--	--
SEP											
04...	1515	--	--	--	--	70	--	--	--	--	--
FEB , 1975											
03...	1300	10	1	--	--	80	<2	--	ND	0	--
JUN											
26...	1420	<100	<1	--	--	--	ND	--	ND	0	--
JAN , 1976											
28...	1500	--	--	--	--	--	--	--	--	--	--
JUN , 1977											
29...	1245	--	--	--	--	--	--	--	--	--	--
FEB , 1978											
27...	1130	--	--	<1	<100	--	--	ND	--	--	<20

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 17--Continued

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)
DEC , 1973										
12...	--	<2	--	<10	8	--	--	--	14	--
JAN , 1974										
22...	--	--	--	--	--	--	--	--	--	--
FEB										
12...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	--	--	--	--
APR										
03...	--	ND	--	40	7	--	--	--	<10	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUN										
20...	--	--	--	--	--	--	--	--	--	--
SEP										
04...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
03...	ND	ND	--	<10	2	--	<10	--	<10	<.5
JUN										
26...	ND	<2	--	<10	<2	--	<10	--	<10	<.5
JAN , 1976										
28...	--	--	--	--	--	--	--	--	--	--
JUN , 1977										
29...	--	--	--	--	--	--	--	--	--	--
FEB , 1978										
27...	--	--	3	--	--	2	--	<10	--	--

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
DEC , 1973										
12...	--	--	--	--	--	--	--	--	50	--
JAN , 1974										
22...	--	--	--	--	--	--	--	--	--	--
FEB										
12...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	--	--	--	--
APR										
03...	<.5	--	--	--	--	--	--	--	40	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUN										
20...	--	--	--	--	--	--	--	--	--	--
SEP										
04...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
03...	--	1	ND	--	--	--	--	3.0	20	--
JUN										
26...	--	<1	ND	<1	--	--	100	.0	40	--
JAN , 1976										
28...	--	--	--	--	--	--	120	--	--	--
JUN , 1977										
29...	--	--	--	--	--	--	100	--	--	--
FEB , 1978										
27...	<.5	--	--	--	<1	<2	130	--	--	<20

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
JUN , 1974										
20...	1315	.00	.00	.00	.00	.00	.00	--	.00	.00
AUG , 1978										
22...	1325	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JUN , 1974										
20...	.00	.00	--	--	0	.00	--	.00	.00	.00
AUG , 1978										
22...	.00	.00	.00	.00	0	.00	.00	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 18

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
DEC , 1973											
12...	1400	160	--	--	21.0	295	7.4	.010	--	.12	--
JAN , 1974											
22...	1400	160	--	--	21.0	304	7.3	.090	--	.14	--
FEB											
12...	1230	160	--	--	21.5	307	7.7	.020	--	.25	--
MAR											
14...	1400	160	--	--	21.0	310	7.3	.040	.050	.08	.00
MAY											
09...	1500	160	--	--	22.0	375	7.9	--	.040	--	.05
JUN											
21...	1345	160	--	--	21.5	360	--	--	<.010	--	.03
FEB , 1975											
03...	1400	160	--	--	21.0	308	8.0	--	.130	--	.00
APR											
08...	1340	160	--	--	21.0	300	7.9	--	.020	--	.05
JUL											
10...	1120	160	--	--	21.5	280	7.5	--	.010	--	.04
OCT											
07...	1030	160	--	--	21.0	285	7.7	--	.010	--	.29
JAN , 1976											
29...	1300	160	--	--	21.5	278	8.2	--	.100	--	.00
MAY											
12...	1545	160	--	--	21.5	290	--	--	.020	--	.00
AUG											
31...	1130	160	--	--	21.0	297	--	--	.020	--	.04
JUN , 1977											
30...	1145	160	--	--	21.0	--	--	--	.010	--	.00
SEP											
15...	0945	160	--	--	22.5	300	--	--	<.010	--	.00
NOV											
02...	1355	160	--	--	21.5	299	--	--	.020	--	.00
DEC											
19...	1115	160	--	--	21.5	300	--	--	.020	--	.02
FEB , 1978											
27...	1040	160	--	--	21.5	287	7.7	--	.020	--	.01
JUN											
01...	0835	160	41	3.5	21.0	285	7.7	--	.010	--	.00
AUG											
23...	1250	160	30	7.0	22.0	300	7.7	--	.030	--	.00
DEC											
28...	1150	160	25	9.4	21.0	280	7.9	--	<.010	--	.01

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
DEC , 1973											
12...	.010	--	5.80	--	--	--	--	.010	.020	--	.6
JAN , 1974											
22...	.010	--	6.60	--	--	--	--	<.010	.010	--	.2
FEB											
12...	.010	--	4.80	--	--	--	--	.010	.020	--	.7
MAR											
14...	<.010	.010	5.90	--	<.10	--	--	.020	.020	.030	.4
MAY											
09...	--	.010	--	6.0	--	--	6.1	--	--	.060	.2
JUN											
21...	--	.010	--	8.5	.03	8.5	8.5	--	--	.030	.1
FEB , 1975											
03...	--	.010	--	9.0	.13	9.0	9.1	--	--	.020	.1
APR											
08...	--	.010	--	8.5	.07	8.5	8.6	--	--	.010	--
JUL											
10...	--	<.010	--	5.3	.05	5.3	5.4	--	--	.020	.3
OCT											
07...	--	<.010	--	6.2	.30	6.2	6.5	--	--	.020	--
JAN , 1976											
29...	--	.010	--	5.0	.10	5.0	5.1	--	--	.030	--
MAY											
12...	--	.010	--	5.8	.02	5.8	5.8	--	--	.030	--
AUG											
31...	--	<.010	--	6.2	.06	6.2	6.3	--	--	.030	--
JUN , 1977											
30...	--	.010	--	3.6	.01	3.6	3.6	--	--	.070	.1
SEP											
15...	--	<.010	--	2.3	<.10	2.3	2.3	--	--	.020	--
NOV											
02...	--	<.010	--	6.0	.02	6.0	6.0	--	--	.020	--
DEC											
19...	--	<.010	--	5.0	.04	5.0	5.0	--	--	.020	--
FEB , 1978											
27...	--	<.010	--	4.7	.03	4.7	4.7	--	--	.020	.6
JUN											
01...	--	<.010	--	5.0	.01	5.0	5.0	--	--	.020	--
AUG											
23...	--	.010	--	4.5	.03	4.5	4.5	--	--	.010	--
DEC											
28...	--	.010	--	3.9	.01	3.9	3.9	--	--	.010	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 18--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
DEC , 1973										
12...	0	25	2.0	27	80	--	--	--	--	--
JAN , 1974										
22...	0	22	.0	22	79	41	120	39	6.4	11
FEB										
12...	16	21	.0	21	85	35	120	38	6.6	12
MAR										
14...	12	22	.0	22	86	34	120	38	6.8	11
MAY										
09...	4	21	.0	21	89	46	140	43	6.7	12
JUN										
21...	6	23	.0	23	--	--	120	36	6.5	12
FEB , 1975										
03...	4	--	--	--	90	36	130	39	7.0	12
APR										
08...	--	--	.0	--	90	--	--	--	--	--
JUL										
10...	4	--	.0	--	88	26	110	35	6.3	11
OCT										
07...	--	--	--	--	90	--	--	--	--	11
JAN , 1976										
29...	--	--	--	--	98	19	120	37	6.0	11
MAY										
12...	--	--	--	--	--	--	--	--	--	12
AUG										
31...	--	--	--	--	--	--	--	--	--	12
JUN , 1977										
30...	10	--	5.7	--	95	25	120	37	6.2	11
SEP										
15...	--	--	--	--	--	--	--	--	--	13
NOV										
02...	2	--	--	--	--	--	--	--	--	13
DEC										
19...	--	--	--	--	--	--	--	--	--	12
FEB , 1978										
27...	2	--	--	--	90	32	120	38	6.5	12
JUN										
01...	--	--	--	--	--	--	--	--	--	11
AUG										
23...	--	--	--	--	--	--	--	--	--	11
DEC										
28...	--	--	--	--	97	35	130	41	7.3	11

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
DEC , 1973										
12...	--	98	0	22	--	--	--	--	--	--
JAN , 1974										
22...	.7	96	0	23	--	--	--	--	--	--
FEB										
12...	.8	104	0	22	--	--	--	--	--	--
MAR										
14...	.7	105	0	23	--	--	--	--	--	--
MAY										
09...	.7	108	0	23	--	4.0	--	214	--	--
JUN										
21...	.7	--	--	24	.1	5.2	--	241	--	--
FEB , 1975										
03...	.6	110	0	22	<.1	4.9	7.6	181	--	--
APR										
08...	--	110	0	19	--	--	--	--	--	--
JUL										
10...	.7	107	0	18	.2	6.4	7.3	168	--	--
OCT										
07...	--	110	0	20	--	--	--	--	--	--
JAN , 1976										
29...	.8	120	0	17	<.1	5.8	6.8	153	--	--
MAY										
12...	--	--	--	17	--	--	--	--	--	--
AUG										
31...	--	--	--	19	--	--	--	--	--	--
JUN , 1977										
30...	.6	116	0	17	<.1	6.0	7.5	162	--	--
SEP										
15...	--	--	--	19	--	--	--	--	--	--
NOV										
02...	--	--	--	19	--	--	--	--	--	--
DEC										
19...	--	--	--	16	--	--	--	--	--	--
FEB , 1978										
27...	.8	110	0	18	<.1	7.6	7.6	146	--	--
JUN										
01...	--	--	--	16	--	--	--	--	37.83	20.07
AUG										
23...	--	--	--	17	--	--	--	--	36.81	21.09
DEC										
28...	.7	--	--	15	<.1	5.4	7.4	163	40.30	17.98

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 18--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
MAR , 1979											
21...	1510	160	25	11	21.0	290	7.8	<.010	.09	.010	3.4
AUG											
13...	0955	160	28	11	21.0	279	7.8	.010	.06	.010	4.1
NOV											
14...	1120	160	34	12	21.0	269	7.9	.010	.09	.000	4.0
FEB , 1980											
28...	1305	160	57	8.3	21.0	274	7.8	.020	.02	.000	3.4
JUN											
10...	1615	160	93	7.9	21.0	268	7.8	.000	.04	.000	3.8
AUG											
06...	1600	160	45	8.6	21.5	267	7.9	.000	.02	.030	2.3
NOV											
13...	1145	160	25	9.7	21.5	264	7.9	.020	.00	.000	3.1
FEB , 1981											
03...	1500	160	27	9.7	21.5	264	7.9	.020	.03	.000	4.0

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
MAR , 1979											
21...	.09	3.4	3.5	--	--	--	--	--	--	--	--
AUG											
13...	.07	4.1	4.2	.030	--	89	22	110	35	5.7	9.8
NOV											
14...	.10	4.0	4.1	--	--	--	--	110	34	5.6	11
FEB , 1980											
28...	.04	3.4	3.4	.030	--	--	--	--	--	--	--
JUN											
10...	.04	3.8	3.8	.040	--	--	--	--	--	--	--
AUG											
06...	.02	2.3	2.3	.010	5.0	--	--	120	37	6.3	10
NOV											
13...	.02	3.1	3.1	--	--	--	--	--	--	--	--
FEB , 1981											
03...	.05	4.0	4.0	.020	.0	--	--	120	39	5.9	9.5

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
MAR , 1979										
21...	--	--	--	16	--	--	--	--	35.50	22.79
AUG										
13...	.5	--	--	15	.1	6.5	7.3	165	33.40	24.93
NOV										
14...	.6	--	--	15	.1	7.0	--	--	34.60	23.70
FEB , 1980										
28...	--	110	.00	18	--	--	--	--	37.50	20.81
JUN										
10...	--	104	.00	16	--	--	--	--	34.85	23.45
AUG										
06...	.6	115	.00	14	.1	6.5	--	--	34.82	23.48
NOV										
13...	--	--	--	15	--	--	--	--	39.44	19.86
FEB , 1981										
03...	.5	103	.00	14	.1	7.9	--	--	39.91	18.39

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
DEC , 1973										
12...	1400	--	--	1	--	--	--	7	--	--
JAN , 1974										
22...	1400	--	--	--	--	350	--	--	--	--
FEB										
12...	1230	--	--	--	--	260	--	--	--	--
MAR										
14...	1400	--	--	--	--	250	--	--	--	--
MAY										
09...	1500	--	--	--	--	40	--	--	--	--
JUN										
21...	1345	--	4	--	--	290	--	--	--	--
FEB , 1975										
03...	1400	20	1	--	--	70	<2	--	2	0
JUL										
10...	1120	20	<1	--	--	--	ND	--	<2	0
JAN , 1976										
29...	1300	--	--	--	--	--	--	--	--	--
JUN , 1977										
30...	1145	--	--	--	--	--	--	--	--	--
FEB , 1978										
27...	1040	--	--	<1	<100	--	--	ND	--	--

DATE										
DEC , 1973										
12...	--	--	20	--	--	30	--	--	--	--
JAN , 1974										
22...	--	--	--	--	--	--	--	--	--	--
FEB										
12...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	--	--	--	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUN										
21...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
03...	<2	ND	--	<10	<2	--	<10	--	<10	.5
JUL										
10...	<2	ND	--	<10	ND	--	<10	--	<10	<.5
JAN , 1976										
29...	--	--	--	--	--	--	--	--	--	--
JUN , 1977										
30...	--	--	--	--	--	--	--	--	--	--
FEB , 1978										
27...	--	--	8	--	--	ND	--	<10	--	--

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
DEC , 1973										
12...	--	--	--	--	--	--	--	--	--	140
JAN , 1974										
22...	--	--	--	--	--	--	--	--	--	--
FEB										
12...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	--	--	--	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUN										
21...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
03...	--	<1	ND	--	--	--	--	.0	20	--
JUL										
10...	--	2	ND	<1	--	--	60	2.7	9	--
JAN , 1976										
29...	--	--	--	--	--	--	140	--	--	--
JUN , 1977										
30...	--	--	--	--	--	--	100	--	--	--
FEB , 1978										
27...	<.5	--	--	--	<1	2	140	--	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
JUN , 1974										
21...	1345	.00	.00	.00	.00	.00	.00	--	.00	.00
AUG , 1978										
23...	1250	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JUN , 1974										
21...	.00	.00	--	--	0	.00	--	.00	.00	.00
AUG , 1978										
23...	.00	.00	.00	.00	0	.00	.00	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 19

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
DEC , 1973											
19...	1400	80	--	--	21.0	155	7.9	.020	--	.22	--
JUN , 1974											
26...	0900	80	--	--	22.0	145	--	.020	--	.00	--
FEB , 1975											
04...	1000	80	--	--	21.0	151	7.9	--	.020	--	.00
APR											
17...	1430	80	--	--	21.5	150	7.6	--	.030	--	.00
JUN											
24...	1530	80	--	--	21.5	145	8.1	--	.020	--	.00
OCT											
08...	1300	80	--	--	21.0	126	7.7	--	.010	--	.00
JAN , 1976											
29...	1515	80	--	--	21.5	152	8.2	--	.030	--	.00
MAY											
12...	1200	80	--	--	21.5	156	--	--	.010	--	.00
AUG											
26...	1100	80	--	--	21.5	150	--	--	.010	--	.04
DEC											
15...	1530	80	--	--	21.5	--	7.6	--	.010	--	.02
MAR , 1977											
17...	0930	80	--	--	--	150	--	--	<.010	--	.03
JUN											
15...	1100	80	--	--	21.5	--	--	--	<.010	--	.14
SEP											
15...	1530	80	--	--	--	170	--	--	.010	--	.00
NOV											
04...	1045	80	--	--	21.0	150	--	--	.010	--	.00
DEC											
20...	0945	80	--	--	22.0	173	--	--	.020	--	.00
MAY , 1978											
23...	1010	80	38	9.5	21.0	150	7.6	--	.010	--	.01
AUG											
22...	1120	80	20	8.0	21.5	169	7.8	--	.030	--	.00
DEC											
12...	1345	80	25	8.0	20.0	161	7.7	--	.010	--	.01
AUG , 1979											
13...	1425	80	19	12	21.0	155	7.6	--	--	--	--
NOV											
15...	0910	80	29	12	21.0	147	7.9	--	.010	--	.01
FEB , 1980											
20...	1420	80	28	8.8	20.5	172	7.8	--	--	--	--

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
DEC , 1973											
19...	<.010	--	.03	--	--	--	--	<.010	.020	--	.4
JUN , 1974											
26...	.010	--	.11	--	--	--	--	.020	.020	--	.1
FEB , 1975											
04...	--	.010	--	.15	.02	.16	.18	--	--	.010	.2
APR											
17...	--	.010	--	.08	.03	.09	.12	--	--	.010	--
JUN											
24...	--	.010	--	.06	.02	.07	.09	--	--	.040	.1
OCT											
08...	--	<.010	--	.12	.01	.12	.13	--	--	.020	--
JAN , 1976											
29...	--	.010	--	.05	.03	.06	.09	--	--	.030	--
MAY											
12...	--	.010	--	.05	.01	.06	.07	--	--	.020	--
AUG											
26...	--	<.010	--	.07	.05	.07	.12	--	--	.030	--
DEC											
15...	--	<.010	--	.10	.03	.10	.13	--	--	.010	--
MAR , 1977											
17...	--	<.010	--	.10	.03	.10	.13	--	--	.010	--
JUN											
15...	--	<.010	--	.09	.14	.09	.23	--	--	.010	.2
SEP											
15...	--	<.010	--	.04	.01	.04	.05	--	--	.030	--
NOV											
04...	--	.010	--	.03	.01	.04	.05	--	--	.020	--
DEC											
20...	--	<.010	--	.05	.02	.05	.07	--	--	.010	--
MAY , 1978											
23...	--	<.010	--	.12	.02	.12	.14	--	--	.010	--
AUG											
22...	--	.010	--	.06	.03	.07	.10	--	--	.010	--
DEC											
12...	--	<.010	--	.08	.02	.08	.10	--	--	.010	--
AUG , 1979											
13...	--	<.010	--	.12	--	.12	--	--	--	--	--
NOV											
15...	--	.000	--	.10	.02	.10	.12	--	--	.010	--
FEB , 1980											
20...	--	.000	--	.06	--	.06	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 19--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
DEC , 1973											
19...	2	22	.0	23	76	--	71	26	1.5	2.0	.2
JUN , 1974											
26...	2	19	.0	19	--	--	79	30	1.1	1.5	.6
FEB , 1975											
04...	2	--	3.0	--	79	1	80	30	1.3	1.1	.2
APR											
17...	--	--	.0	--	77	--	--	--	--	--	--
JUN											
24...	1	--	.0	--	71	0	70	26	1.1	1.5	.3
OCT											
08...	--	--	--	--	62	--	--	--	--	1.7	--
JAN , 1976											
29...	--	--	--	--	82	--	--	--	--	2.0	--
MAY											
12...	--	--	--	--	--	--	--	--	--	1.9	--
AUG											
26...	--	--	--	--	--	--	--	--	--	1.7	--
DEC											
15...	--	--	--	--	66	--	--	--	--	1.5	--
MAR , 1977											
17...	--	--	.0	--	--	--	--	--	--	1.1	--
JUN											
15...	--	--	--	--	73	0	73	27	1.3	1.6	.2
SEP											
15...	--	--	--	--	--	--	--	--	--	.9	--
NOV											
04...	4	--	--	--	--	--	--	--	--	1.5	--
DEC											
20...	--	--	--	--	--	--	--	--	--	1.6	--
MAY , 1978											
23...	--	--	--	--	--	--	--	--	--	1.6	--
AUG											
22...	--	--	--	--	--	--	--	--	--	1.4	--
DEC											
12...	--	--	--	--	80	0	79	29	1.7	1.4	.3
AUG , 1979											
13...	--	--	--	--	--	--	--	--	--	--	--
NOV											
15...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1980											
20...	--	--	--	--	--	--	--	--	--	--	--

DATE	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
DEC , 1973											
19...	93	--	0	--	1.8	--	--	--	--	--	--
JUN , 1974											
26...	--	--	--	--	2.6	.2	.9	--	102	--	--
FEB , 1975											
04...	96	--	0	--	2.6	.1	.6	5.8	82	--	--
APR											
17...	94	--	0	--	2.1	--	--	--	--	--	--
JUN											
24...	86	--	0	--	2.6	<.1	.4	5.5	80	--	--
OCT											
08...	75	--	0	--	2.8	--	--	--	--	--	--
JAN , 1976											
29...	100	--	0	--	3.0	--	--	--	--	--	--
MAY											
12...	--	--	--	--	2.1	--	--	--	--	--	--
AUG											
26...	--	--	--	--	2.3	--	--	--	--	--	--
DEC											
15...	80	--	0	--	2.3	--	--	--	--	--	--
MAR , 1977											
17...	--	--	--	--	2.3	--	--	--	--	--	--
JUN											
15...	89	--	0	--	2.4	<.1	<1.0	5.6	82	--	--
SEP											
15...	--	--	--	--	2.4	--	--	--	--	--	--
NOV											
04...	--	--	--	--	2.6	--	--	--	--	26.77	12.22
DEC											
20...	--	--	--	--	2.5	--	--	--	--	--	--
MAY , 1978											
23...	--	--	--	--	2.9	--	--	--	--	24.29	14.70
AUG											
22...	--	--	--	--	2.7	--	--	--	--	24.00	14.98
DEC											
12...	--	--	--	--	2.2	<.1	.9	5.1	95	26.60	12.37
AUG , 1979											
13...	--	--	--	--	2.7	--	--	--	--	20.40	18.58
NOV											
15...	--	--	--	--	--	--	--	--	--	21.63	17.36
FEB , 1980											
20...	--	86	--	.00	2.9	--	--	--	--	24.35	14.64

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 19--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUN , 1960									
26...	1340	60	53	8.6	21.5	168	7.7	.010	.03
SEP									
09...	1110	80	51	9.1	22.0	173	7.7	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUN , 1960									
26...	.000	.07	.04	.07	.11	.040	80	30	1.3
SEP									
09...	.000	.08	--	.08	--	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1960									
26...	1.5	.2	86	.00	2.4	.0	.7	23.27	15.72
SEP									
09...	--	--	86	.00	3.0	--	--	23.40	15.62

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
DEC , 1973											
19...	1400	--	0	--	--	<20	--	--	--	<2	<10
JUN , 1974											
26...	0900	--	2	8	--	ND	--	0	--	<2	<10
FEB , 1975											
04...	1000	10	1	<20	<2	--	ND	0	ND	ND	<10
JUN											
24...	1530	<100	<1	--	ND	--	ND	0	<2	ND	20
JUN , 1977											
15...	1100	--	--	--	--	--	--	--	--	--	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
DEC , 1973											
19...	28	--	14	--	--	--	--	--	--	--	ND
JUN , 1974											
26...	7	--	50	--	<.5	--	--	--	--	--	ND
FEB , 1975											
04...	2	<10	<10	<.5	--	<1	ND	--	--	.0	6
JUN											
24...	ND	<10	<10	<.5	--	<1	ND	<1	60	.8	<20
JUN , 1977											
15...	--	--	--	--	--	--	--	--	30	--	--

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
AUG , 1978									
22...	1120	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
AUG , 1978								
22...	.00	.00	.00	.00	.00	0	.00	.00

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 20

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
JUN , 1974												
26...	1000	145	--	--	21.5	230	--	--	--	--	--	--
FEB , 1975												
04...	1130	145	--	--	21.0	228	7.9	.020	.00	.010	.18	.02
APR												
17...	1300	145	--	--	21.5	240	7.4	.040	.00	.010	.13	.04
JUN												
24...	1430	145	--	--	21.5	231	--	.010	.02	.010	.21	.04
OCT												
08...	1200	145	--	--	21.5	235	7.7	.020	.02	<.010	.21	.04
JAN , 1976												
25...	1600	145	--	--	21.5	220	8.2	.030	.07	.010	.24	.10
MAY												
12...	1100	145	--	--	21.5	223	--	.010	.04	.010	.31	.05
AUG												
26...	1200	145	--	--	21.5	227	--	.010	.07	<.010	.03	.08
DEC												
15...	1400	145	--	--	21.5	238	7.7	.020	<.20	<.010	.18	.04
MAR , 1977												
17...	0815	145	--	--	--	230	--	.010	.09	<.010	.27	.10
JUN												
15...	0900	145	--	--	21.5	--	--	<.010	.23	<.010	.37	.23
SEP												
13...	1510	145	--	--	21.5	220	--	.010	.00	<.010	.33	.01
NOV												
04...	1000	145	--	--	21.0	210	--	.020	.05	.010	.24	.07
DEC												
20...	0900	145	--	--	21.5	234	--	.010	.09	.010	.33	.11
MAY , 1978												
23...	0855	145	40	7.0	21.5	227	7.6	.010	.04	.010	.41	.05
SEP												
13...	1040	145	29	9.4	21.5	235	7.9	.020	.11	.010	.36	.13
DEC												
12...	1125	145	33	8.0	19.0	243	8.0	.010	.02	.030	.27	.03
AUG , 1979												
13...	1330	145	21	12	21.0	242	7.6	--	--	--	--	--
NOV												
15...	1000	145	24	12	21.0	226	7.8	.010	.02	.000	.45	.03
FEB , 1980												
20...	1525	145	35	9.4	21.0	231	7.8	--	--	.000	.44	--
JUN												
26...	1540	145	55	9.7	21.0	219	7.6	.000	.02	.000	.47	.02

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JUN , 1974												
26...	--	--	--	--	--	--	--	--	120	37	5.8	2.5
FEB , 1975												
04...	.19	.21	.010	.5	2	.0	115	2	120	39	4.6	2.0
APR												
17...	.14	.18	.010	--	--	.0	115	--	--	--	--	--
JUN												
24...	.22	.26	.010	.6	--	.0	--	--	--	--	--	--
OCT												
08...	.21	.25	.020	--	--	--	115	--	--	--	--	2.8
JAN , 1976												
29...	.25	.25	.040	--	--	--	111	--	--	--	--	--
MAY												
12...	.32	.37	.020	--	--	--	--	--	--	--	--	2.8
AUG												
26...	.03	.11	.030	--	--	--	--	--	--	--	--	2.6
DEC												
15...	.78	.82	<.100	--	--	--	123	0	120	40	4.6	2.6
MAR , 1977												
17...	.27	.37	.010	--	--	2.0	--	--	--	--	--	2.2
JUN												
15...	.37	.60	.020	.1	40	--	106	3	110	34	5.7	2.8
SEP												
13...	.33	.34	.010	--	--	--	--	--	--	--	--	2.4
NOV												
04...	.25	.32	.030	--	9	--	--	--	--	--	--	2.8
DEC												
20...	.34	.45	.030	--	--	--	--	--	--	--	--	2.8
MAY , 1978												
23...	.42	.47	.020	--	--	--	--	--	--	--	--	2.8
SEP												
13...	.27	.50	.010	--	--	--	--	--	--	--	--	2.6
DEC												
12...	.30	.33	.010	--	--	--	110	2	110	36	5.3	2.7
AUG , 1979												
13...	.22	--	--	--	--	--	--	--	--	--	--	--
NOV												
15...	.45	.48	.010	--	--	--	--	--	--	--	--	--
FEB , 1980												
20...	.44	--	--	--	--	--	--	--	--	--	--	--
JUN												
26...	.47	.49	.010	--	--	--	--	--	110	34	5.6	3.1

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 20--Continued

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1974												
26...	.3	--	--	--	--	4.1	.1	2.4	--	124	--	--
FEB , 1975												
04...	.2	140	--	0	--	3.6	.1	.8	6.9	128	--	--
APR												
17...	--	140	--	0	--	2.8	--	--	--	--	--	--
JUN												
24...	--	--	--	--	--	4.1	--	--	--	--	--	--
OCT												
08...	--	140	--	0	--	3.8	--	--	--	--	--	--
JAN , 1976												
29...	--	140	--	0	--	5.0	--	--	--	--	--	--
MAY												
12...	--	--	--	--	--	4.8	--	--	--	--	--	--
AUG												
26...	--	--	--	--	--	4.8	--	--	--	--	--	--
DEC												
15...	.4	150	--	0	--	3.7	.1	<.1	6.6	138	--	--
MAR , 1977												
17...	--	--	--	--	--	4.1	--	--	--	--	--	--
JUN												
15...	.2	129	--	0	--	5.4	<.1	1.6	6.9	124	--	--
SEP												
13...	--	--	--	--	--	5.3	--	--	--	--	--	--
NOV												
04...	--	--	--	--	--	5.4	--	--	--	--	17.14	12.65
DEC												
20...	--	--	--	--	--	5.0	--	--	--	--	--	--
MAY , 1978												
23...	--	--	--	--	--	5.3	--	--	--	--	15.10	14.69
SEP												
13...	--	--	--	--	--	5.3	--	--	--	--	14.65	15.14
DEC												
12...	.4	--	--	--	--	4.6	.1	2.4	6.3	136	17.40	12.76
AUG , 1979												
13...	--	--	--	--	--	4.3	--	--	--	--	11.17	19.09
NOV												
15...	--	--	--	--	--	5.2	--	--	--	--	12.64	17.55
FEB , 1980												
20...	--	--	137	--	.00	5.0	--	--	--	--	15.05	15.15
JUN												
26...	.3	--	123	--	.00	5.4	.1	1.1	--	--	14.03	16.16

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)
SEP , 1980							
09...	1100	145	49	9.7	22.0	223	7.8

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
SEP , 1980							
09...	.000	.45	.45	122	.00	14.30	15.92

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
JUN , 1974											
26...	1000	--	<1	--	--	<20	--	ND	--	0	--
FEB , 1975											
04...	1130	10	1	--	--	<20	2	--	ND	0	--
JUN											
24...	1430	10	<1	--	--	--	ND	--	ND	0	--
DEC , 1976											
15...	1400	--	--	4	<100	--	--	ND	--	--	<20
JUN , 1977											
15...	0900	--	--	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 20--Continued

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)
JUN , 1974										
26...	--	<2	--	<10	ND	--	--	--	--	--
FEB , 1975										
04...	<2	ND	--	<10	3	--	<10	--	<10	<.5
JUN										
24...	<2	ND	--	40	ND	--	<10	--	<10	<.5
DEC , 1976										
15...	--	--	2	--	--	3	--	20	--	--
JUN , 1977										
15...	--	--	--	--	--	--	--	--	--	--

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUN , 1974										
26...	<.5	--	--	--	--	--	--	--	80	--
FEB , 1975										
04...	--	1	2	--	--	--	--	.5	6	--
JUN										
24...	--	2	ND	<1	--	--	--	.0	ND	--
DEC , 1976										
15...	<.5	--	--	--	<1	ND	--	--	--	<20
JUN , 1977										
15...	--	--	--	--	--	--	60	--	--	--

Site 21 near irrigation fields

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP ER FROM PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
APR , 1974											
22...	1445	248	--	--	21.0	319	8.0	--	--	--	--
FEB											
12...	1300	248	--	--	22.0	228	7.5	--	--	--	--
MAR											
14...	--	248	--	--	21.5	310	7.9	.140	--	.15	--
APR											
03...	1400	248	--	--	21.5	318	8.0	.110	--	--	--
JUN											
20...	1430	248	--	--	22.0	396	--	--	.040	--	.16
FEB , 1975											
04...	1300	248	--	--	21.5	395	7.6	--	.380	--	.05
APR											
09...	1200	248	--	--	22.0	397	7.6	--	.500	--	.08
JUN											
26...	1230	248	--	--	21.0	392	7.9	--	.530	--	.25
OCT											
07...	0930	248	--	--	21.5	375	7.5	--	.350	--	.01
JAN , 1976											
29...	1130	248	--	--	22.0	322	7.9	--	.140	--	.01
MAY											
12...	1530	248	--	--	22.0	380	--	--	.400	--	.00
AUG											
31...	1330	248	--	--	21.0	391	--	--	.280	--	.00
MAR , 1977											
24...	0950	248	--	--	21.5	321	--	--	.040	--	.03
JUN											
28...	1351	248	--	--	22.0	--	--	--	.050	--	.05
SEP											
14...	1045	248	--	--	--	270	--	--	.090	--	.06
NOV											
03...	0925	248	--	--	22.0	321	--	--	.090	--	.00
DEC											
19...	1030	248	--	--	22.0	307	--	--	.080	--	.06
FEB , 1978											
27...	0950	248	--	--	22.0	306	7.6	--	.020	--	.01
MAY											
31...	1115	248	63	8.5	22.0	305	7.6	--	.020	--	.00
SEP											
13...	1340	248	42	8.6	22.0	317	7.7	--	.010	--	.12
DEC											
20...	1020	248	45	8.3	21.5	306	7.8	--	.010	--	.03

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 21 near irrigation fields--Continued

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
JAN , 1974											
22...	.010	--	2.60	--	--	--	--	.020	.020	--	.4
FEB											
12...	<.010	--	--	--	--	--	--	<.010	<.010	--	.1
MAR											
14...	.010	--	3.80	--	--	--	--	.020	.030	--	1.2
APR											
03...	.010	--	2.60	--	--	--	--	.030	.030	--	.5
JUN											
20...	--	.040	--	4.0	.20	4.0	4.2	--	--	.040	.4
FEB , 1975											
04...	--	.030	--	4.6	.41	4.6	5.0	--	--	.030	.0
APR											
09...	--	.020	--	2.7	.58	2.7	3.3	--	--	.040	1.3
JUN											
26...	--	.010	--	2.2	.78	2.2	3.0	--	--	.050	1.2
OCT											
07...	--	.010	--	4.0	.36	4.0	4.4	--	--	.040	--
JAN , 1976											
29...	--	.060	--	1.9	.15	2.0	2.1	--	--	.050	--
MAY											
12...	--	.010	--	3.8	.40	3.8	4.2	--	--	.050	--
AUG											
31...	--	.020	--	5.0	.28	5.0	5.3	--	--	.050	--
MAR , 1977											
24...	--	.010	--	2.3	.07	1.3	1.4	--	--	.040	--
JUN											
28...	--	.010	--	1.4	.10	1.4	1.5	--	--	.040	.0
SEP											
14...	--	<.010	--	--	.15	--	--	--	--	.020	--
NOV											
03...	--	<.010	--	1.9	.09	1.9	2.0	--	--	.040	--
DEC											
19...	--	<.010	--	1.5	.14	1.5	1.6	--	--	.040	--
FEB , 1978											
27...	--	<.010	--	1.7	.03	1.7	1.7	--	--	.040	.6
MAY											
31...	--	.020	--	1.4	.02	1.4	1.4	--	--	.040	--
SEP											
13...	--	.020	--	2.0	.13	2.0	2.2	--	--	.120	--
DEC											
20...	--	<.010	--	1.4	.04	1.4	1.4	--	--	.040	--

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	CARBON, INOR-GANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN , 1974										
22...	16	38	6.0	44	72	48	120	36	7.8	12
FEB										
12...	20	--	3.0	--	82	8	90	23	7.8	11
MAR										
14...	12	29	1.0	30	113	17	130	41	7.6	11
APR										
03...	5	27	2.0	29	115	15	130	42	7.2	11
JUN										
20...	5	31	.0	31	--	--	120	38	7.2	10
FEB , 1975										
04...	2	--	9.0	--	153	18	170	54	8.7	15
APR										
09...	7	--	1.0	--	153	20	170	54	9.4	15
JUN										
26...	2	--	.0	--	144	16	160	51	8.6	15
OCT										
07...	--	--	--	--	148	--	--	--	--	13
JAN , 1976										
29...	--	--	--	--	139	3	140	44	7.8	11
MAY										
12...	--	--	--	--	--	--	--	--	--	16
AUG										
31...	--	--	--	--	--	--	--	--	--	17
MAR , 1977										
24...	--	--	.0	--	--	--	--	--	--	10
JUN										
28...	4	--	--	--	130	10	140	43	7.9	10
SEP										
14...	--	--	--	--	--	--	--	--	--	12
NOV										
03...	6	--	--	--	--	--	--	--	--	12
DEC										
19...	--	--	--	--	--	--	--	--	--	9.8
FEB , 1978										
27...	2	--	--	--	120	21	140	44	8.3	9.4
MAY										
31...	--	--	--	--	--	--	--	--	--	8.1
SEP										
13...	--	--	--	--	--	--	--	--	--	8.8
DEC										
20...	--	--	--	--	120	39	160	48	9.4	8.3

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 21 near irrigation fields--Continued

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JAN , 1974										
22...	1.1	88	0	17	--	--	--	--	--	--
FEB										
12...	1.2	100	0	16	--	--	--	--	--	--
MAR										
14...	1.3	138	0	16	--	--	--	--	--	--
APR										
03...	1.2	140	0	16	--	--	--	--	--	--
JUN										
20...	1.0	--	--	16	.2	6.5	--	145	--	--
FEB , 1975										
04...	1.2	166	0	21	.1	7.5	9.4	226	--	--
APR										
09...	1.2	187	0	20	.7	9.3	9.1	218	--	--
JUN										
26...	1.4	176	0	20	.1	10	8.6	212	--	--
OCT										
07...	--	180	0	19	--	--	--	--	--	--
JAN , 1976										
29...	1.0	170	0	14	.1	8.4	7.9	189	--	--
MAY										
12...	--	--	--	18	--	--	--	--	--	--
AUG										
31...	--	--	--	20	--	--	--	--	--	--
MAR , 1977										
24...	--	--	--	14	--	--	--	--	--	--
JUN										
28...	.9	158	0	14	.1	3.0	8.5	182	--	--
SEP										
14...	--	--	--	15	--	--	--	--	--	--
NOV										
03...	--	--	--	17	--	--	--	--	--	--
DEC										
19...	--	--	--	12	--	--	--	--	--	--
FEB , 1978										
27...	1.0	150	0	13	.1	8.8	8.6	155	--	--
MAY										
31...	--	--	--	11	--	--	--	--	37.57	20.60
SEP										
13...	--	--	--	11	--	--	--	--	38.96	21.61
DEC										
20...	.9	--	--	9.8	.1	7.0	8.3	166	--	--

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
JAN , 1979												
28...	1515	248	52	8.3	22.0	276	7.6	--	--	--	.19	--
NOV												
15...	1305	248	42	6.8	21.5	297	7.9	--	--	--	--	--
MAR , 1980												
04...	0930	248	52	6.8	21.5	297	7.8	--	--	--	--	--
APR												
09...	1840	248	58	7.1	21.5	284	7.8	.110	.16	.000	1.4	.32
OCT												
16...	0920	248	59	6.5	22.0	275	--	.030	.20	.000	.33	.23
NOV												
12...	1400	248	51	8.1	22.0	280	7.6	.000	.01	.000	2.2	.01
DEC												
02...	1010	248	36	8.1	22.0	278	7.6	.020	.06	.000	1.1	.08
JAN , 1981												
09...	1125	248	41	7.7	22.0	276	7.6	.010	.02	.000	1.7	.03
FEB												
03...	1005	248	40	8.3	22.0	275	7.8	.010	.00	.000	1.1	.02
MAR												
11...	1110	248	42	6.8	21.8	279	7.6	.000	.07	.000	.32	.07
APR												
30...	0900	248	40	9.1	21.5	286	7.7	.000	.00	.000	1.1	.00
JUN												
17...	0955	248	40	8.8	22.0	--	7.7	.010	.04	.000	.54	.05
17...	1120	248	--	--	--	--	--	.010	.04	.000	.54	.05

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 21 near irrigation fields--Continued

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
JUN , 1979												
28...	--	--	--	--	--	120	13	130	40	8.0	6.6	.7
NOV												
15...	--	--	--	--	--	--	--	130	41	7.6	7.0	.7
MAR , 1980												
04...	--	--	--	--	.5	--	--	140	42	7.8	6.7	.7
APR												
09...	1.4	1.7	.050	--	--	--	--	--	--	--	--	--
OCT												
16...	.33	.56	.050	3.0	--	--	--	150	46	8.6	4.4	.9
NOV												
12...	2.2	2.2	.090	--	--	--	--	--	--	--	--	--
DEC												
02...	1.1	1.2	.040	1.0	--	--	--	140	42	8.2	4.9	.6
JAN , 1981												
09...	1.7	1.7	.030	--	--	--	--	--	--	--	--	--
FEB												
03...	1.1	1.1	.040	--	--	--	--	--	--	--	--	--
MAR												
11...	.32	.39	.040	--	--	--	--	--	--	--	--	--
APR												
30...	1.1	1.1	.040	--	--	--	--	140	46	7.0	4.8	.5
JUN												
17...	.54	.59	.050	--	--	--	--	--	--	--	--	--
17...	.54	.59	.050	--	--	--	--	--	--	--	--	--

DATE	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1979												
28...	--	--	8.3	.1	3.8	7.6	166	--	--	--	--	--
NOV												
15...	--	--	9.3	.1	8.7	--	--	--	--	--	--	--
MAR , 1980												
04...	164	.00	9.3	.1	7.7	--	--	--	--	--	--	--
APR												
09...	--	--	8.6	--	--	--	--	K7	<1	<1	--	--
OCT												
16...	--	--	7.6	.1	8.6	--	--	<1	<1	--	--	--
NOV												
12...	--	--	7.3	--	--	--	--	<1	<1	--	38.12	19.91
DEC												
02...	147	.00	7.2	.2	11	--	--	K1	<1	K1	38.50	19.53
JAN , 1981												
09...	--	--	7.0	--	--	--	--	K7	<1	<1	39.23	18.80
FEB												
03...	--	--	6.9	--	--	--	--	<1	<1	<1	38.95	19.09
MAR												
11...	--	--	7.0	--	--	--	--	58	<1	5	35.57	22.46
APR												
30...	139	.00	7.1	.2	9.6	--	--	--	--	--	36.51	21.52
JUN												
17...	--	--	6.9	--	--	--	--	<1	<1	<1	39.14	--
17...	--	--	6.9	--	--	--	--	<1	<1	<1	--	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
JAN , 1974											
22...	1445	--	--	--	--	200	--	--	--	--	--
FEB											
12...	1300	--	--	--	--	30	--	--	--	--	--
MAR											
14...	--	--	--	--	--	80	--	--	--	--	--
APR											
03...	1400	--	2	--	--	3	--	ND	--	--	--
JUN											
20...	1430	--	5	--	--	90	--	--	--	--	--
FEB , 1975											
04...	1300	8	1	--	--	60	<2	--	<2	0	--
APR											
09...	1200	20	1	--	--	60	ND	--	ND	0	--
JUN											
26...	1230	20	<1	--	--	--	ND	--	3	0	--
JAN , 1976											
29...	1130	--	--	--	--	--	--	--	--	--	--
JUN , 1977											
28...	1351	--	--	--	--	--	--	--	--	--	--
FEB , 1978											
27...	0950	--	--	<1	<100	--	--	ND	--	--	<20

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 21 near irrigation fields--Continued

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)
JAN , 1974											
22...	--	--	--	--	--	--	--	--	--	--	--
FEB											
12...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	<2	--	150	--	5	--	--	--	50	--
JUN											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1975											
04...	<2	ND	--	170	--	4	--	<10	--	30	<.5
APR											
09...	ND	ND	--	310	--	<2	--	<10	--	30	<.5
JUN											
26...	ND	ND	--	140	--	ND	--	<10	--	20	<.5
JAN , 1976											
29...	--	--	--	--	--	--	--	--	--	--	--
JUN , 1977											
28...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1978											
27...	--	--	2	--	250	--	ND	--	<10	--	--

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JAN , 1974										
22...	--	--	--	--	--	--	--	--	--	--
FEB										
12...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	--	--	--	--
APR										
03...	<.5	--	--	--	--	--	--	--	9	--
JUN										
20...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
04...	--	1	4	--	--	--	--	1.4	<20	--
APR										
09...	--	<1	ND	--	--	--	--	.0	20	--
JUN										
26...	--	<1	ND	1	--	--	40	.0	<20	--
JAN , 1976										
29...	--	--	--	--	--	--	140	--	--	--
JUN , 1977										
28...	--	--	--	--	--	--	100	--	--	--
FEB , 1978										
27...	<.5	--	--	--	<1	<2	150	--	--	<20

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 22

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
MAR , 1974											
14...	1500	268	--	--	22.0	264	7.5	.030	--	1.6	--
MAY											
09...	1322	268	--	--	22.0	250	8.0	--	.030	--	.12
JUN											
20...	1030	268	--	--	22.0	210	--	--	.010	--	.07
SEP											
04...	1400	268	--	--	21.5	260	8.0	--	.010	--	.04
APR , 1975											
08...	1000	268	--	--	21.5	240	8.0	--	.030	--	.16
JUN											
25...	1430	268	--	--	21.5	160	8.8	--	--	--	--
OCT											
07...	1315	268	--	--	21.5	270	7.9	--	.010	--	.01
JAN , 1976											
29...	1410	268	--	--	22.0	250	8.1	--	.010	--	.02
MAY											
12...	1330	268	--	--	22.0	253	--	--	.010	--	.00
AUG											
25...	1430	268	--	--	21.5	266	--	--	.010	--	.01
MAR , 1977											
24...	1100	268	--	--	21.5	264	--	--	.010	--	.00
JUN											
29...	1200	268	--	--	21.5	--	--	--	.010	--	.00
SEP											
14...	1445	268	--	--	22.5	240	--	--	.020	--	.01
NOV											
03...	1320	268	--	--	21.5	255	--	--	.020	--	.04
DEC											
19...	1330	268	--	--	21.5	253	--	--	.020	--	.01
FEB , 1978											
27...	1330	268	--	--	21.5	247	--	--	.020	--	.01
MAY											
23...	1420	268	--	--	22.0	256	7.8	--	.010	--	.06
JUN											
15...	1200	268	--	--	--	--	--	--	--	--	--
AUG											
23...	1350	268	35	3.0	22.5	252	7.8	--	.030	--	.00
DEC											
28...	1050	268	41	9.4	21.0	239	7.9	--	.010	--	.01
MAR , 1979											
22...	1030	268	32	9.7	21.0	243	7.9	--	<.010	--	.00

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
MAR , 1974											
14...	.010	--	3.00	--	--	--	--	.010	.010	--	.2
MAY											
09...	--	--	--	2.6	--	--	2.7	--	--	.020	1.0
JUN											
20...	--	.020	--	4.3	.08	4.3	4.4	--	--	.010	.2
SEP											
04...	--	.030	--	3.4	.05	3.4	3.5	--	--	.040	.4
APR , 1975											
08...	--	.020	--	6.0	.19	6.0	6.2	--	--	.020	--
JUN											
25...	--	.010	--	--	--	--	--	--	--	.040	.3
OCT											
07...	--	.010	--	3.8	.02	3.8	3.8	--	--	.020	--
JAN , 1976											
29...	--	.010	--	2.1	.03	2.1	2.1	--	--	.030	--
MAY											
12...	--	.010	--	2.6	.01	2.6	2.6	--	--	.030	--
AUG											
25...	--	.020	--	3.1	.02	3.1	3.1	--	--	.030	--
MAR , 1977											
24...	--	.040	--	2.9	.01	2.9	3.0	--	--	.020	--
JUN											
29...	--	.020	--	2.0	.01	2.0	2.0	--	--	.030	.5
SEP											
14...	--	.010	--	1.2	.03	1.2	1.2	--	--	.020	--
NOV											
03...	--	.020	--	1.5	.06	1.5	1.6	--	--	.020	--
DEC											
19...	--	.030	--	2.3	.03	2.3	2.4	--	--	.020	--
FEB , 1978											
27...	--	.030	--	2.0	.03	2.0	2.0	--	--	.020	.8
MAY											
23...	--	.060	--	2.1	.07	2.2	2.2	--	--	.020	--
JUN											
15...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	--	.050	--	2.2	.03	2.2	2.3	--	--	.010	--
DEC											
28...	--	.040	--	1.5	.02	1.5	1.6	--	--	.020	--
MAR , 1979											
22...	--	.020	--	1.6	<.10	1.6	1.6	--	--	.030	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 22--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
MAR , 1974										
14...	8	22	.0	22	125	0	110	33	7.1	8.2
MAY										
09...	0	25	.0	25	98	22	120	37	6.6	8.8
JUN										
20...	2	--	.0	--	--	--	110	32	6.9	8.7
SEP										
04...	0	22	.0	22	95	15	120	35	6.8	7.3
APR , 1975										
08...	--	--	.0	--	98	--	--	--	--	--
JUN										
25...	8	--	.0	--	48	--	--	--	8.8	7.4
OCT										
07...	--	--	--	--	107	--	--	--	--	9.1
JAN , 1976										
29...	--	--	--	--	98	9	110	32	6.7	7.9
MAY										
12...	--	--	--	--	--	--	--	--	--	7.6
AUG										
25...	--	--	--	--	--	--	--	--	--	8.7
MAR , 1977										
24...	--	--	.0	--	--	--	--	--	--	8.6
JUN										
29...	8	--	3.6	--	102	14	120	35	6.9	7.8
SEP										
14...	--	--	--	--	--	--	--	--	--	7.3
NOV										
03...	4	--	--	--	--	--	--	--	--	6.1
DEC										
19...	--	--	--	--	--	--	--	--	--	7.7
FEB , 1978										
27...	6	--	--	--	98	13	110	33	7.1	7.1
MAY										
23...	--	--	--	--	--	--	--	--	--	7.1
JUN										
15...	--	--	--	--	--	--	--	--	--	--
AUG										
23...	--	--	--	--	--	--	--	--	--	7.2
DEC										
28...	--	--	--	--	98	32	130	38	8.3	6.5
MAR , 1979										
22...	--	--	--	--	--	--	--	--	--	--

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
MAR , 1974										
14...	.6	152	0	13	--	--	--	--	--	--
MAY										
09...	.6	120	0	13	--	4.0	--	142	--	--
JUN										
20...	.6	--	--	15	.4	5.0	--	164	--	--
SEP										
04...	.6	116	0	11	--	--	--	--	--	--
APR , 1975										
08...	--	116	0	11	--	--	--	--	--	--
JUN										
25...	.7	50	4	10	.1	--	--	74	--	--
OCT										
07...	--	130	0	15	--	--	--	--	--	--
JAN , 1976										
29...	.6	120	0	11	.1	5.0	6.7	133	--	--
MAY										
12...	--	--	--	11	--	--	--	--	--	--
AUG										
25...	--	--	--	12	--	--	--	--	--	--
MAR , 1977										
24...	--	--	--	12	--	--	--	--	--	--
JUN										
29...	.5	124	0	12	<.1	--	7.6	154	--	--
SEP										
14...	--	--	--	11	--	--	--	--	--	--
NOV										
03...	--	--	--	12	--	--	--	--	30.58	17.56
DEC										
19...	--	--	--	10	--	--	--	--	--	--
FEB , 1978										
27...	.7	120	0	11	.1	5.4	7.6	120	--	--
MAY										
23...	--	--	--	10	--	--	--	--	28.01	20.13
JUN										
15...	--	--	--	--	--	--	--	--	28.90	19.24
AUG										
23...	--	--	--	11	--	--	--	--	27.52	20.62
DEC										
28...	.5	120	--	9.5	.1	3.0	7.3	135	30.90	17.71
MAR , 1979										
22...	--	--	--	9.4	--	--	--	--	26.20	22.37

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 22--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
JUN , 1979											
29...	1130	268	36	10	21.5	257	7.6	<.010	.00	.020	1.9
OCT											
10...	1140	268	53	11	21.0	261	7.7	.020	.05	.020	2.4
DEC											
19...	1130	268	40	12	21.5	262	7.9	.070	.06	.010	1.7
JAN , 1980											
30...	1550	268	38	9.1	21.0	260	7.9	.040	.10	.030	2.2
APR											
25...	1245	268	67	7.5	21.5	253	8.0	.140	.03	.030	2.0
JUN											
26...	1200	268	84	8.6	21.5	256	7.8	.020	.01	.020	2.0
AUG											
06...	1200	268	45	9.1	22.0	250	8.0	.000	.06	.000	2.6
NOV											
13...	1000	268	48	10	22.0	244	8.0	.000	.00	.020	2.1
FEB , 1981											
02...	1315	268	54	10	22.0	244	8.0	.010	.00	.000	1.7

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JUN , 1979											
29...	<.10	1.9	1.9	.040	--	100	10	110	32	6.8	7.3
OCT											
10...	.08	2.4	2.5	.060	--	--	--	--	--	--	--
DEC											
19...	.13	1.7	1.8	.010	--	--	--	--	--	--	--
JAN , 1980											
30...	.14	2.2	2.3	.070	3.0	--	--	120	35	6.8	8.0
APR											
25...	.17	2.0	2.2	.020	--	--	--	--	--	--	--
JUN											
26...	.03	2.0	2.0	.030	--	--	--	--	--	--	--
AUG											
06...	.06	2.6	2.7	.020	6.9	--	--	120	36	7.2	7.6
NOV											
13...	.00	2.1	2.1	--	--	--	--	--	--	--	--
FEB , 1981											
02...	.01	1.7	1.7	.020	.5	--	--	120	37	6.7	6.1

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1979											
29...	.7	122	--	--	10	.1	7.0	6.9	145	25.10	23.45
OCT											
10...	--	--	--	--	12	--	--	--	--	22.83	25.74
DEC											
19...	--	--	--	--	12	--	--	--	--	26.50	22.06
JAN , 1980											
30...	.6	--	114	.00	11	.1	6.3	7.8	--	27.70	20.88
APR											
25...	--	--	109	.00	12	--	--	--	--	23.67	24.90
JUN											
26...	--	--	113	.00	11	--	--	--	--	26.03	22.54
AUG											
06...	.6	--	125	.00	10	.1	5.4	--	--	25.46	23.11
NOV											
13...	--	--	--	--	11	--	--	--	--	28.92	19.65
FEB , 1981											
02...	.5	--	116	.00	9.4	.2	6.0	--	--	30.56	18.01

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)
MAR , 1974											
14...	1500	--	--	--	--	140	--	--	--	--	--
MAY											
09...	1322	--	--	--	--	20	--	--	--	--	--
JUN											
20...	1030	--	<1	--	--	90	--	--	--	--	--
SEP											
04...	1400	--	--	--	--	120	--	--	--	--	--
JUN , 1975											
25...	1430	20	<1	--	--	--	ND	--	ND	0	ND
JAN , 1976											
29...	1410	--	--	--	--	--	--	--	--	--	--
JUN , 1977											
29...	1200	--	--	--	--	--	--	--	--	--	--
FEB , 1978											
27...	1330	--	--	<1	<100	--	--	ND	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 22--Continued

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)
MAR , 1974										
14...	--	--	--	--	--	--	--	--	--	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUN										
20...	--	--	--	--	--	--	--	--	--	--
SEP										
04...	--	--	--	--	--	--	--	--	--	--
JUN , 1975										
25...	<2	--	<10	--	<2	--	<10	--	20	<.5
JAN , 1976										
29...	--	--	--	--	--	--	--	--	--	--
JUN , 1977										
29...	--	--	--	--	--	--	--	--	--	--
FEB , 1978										
27...	--	2	--	670	--	NC	--	<10	--	--

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
MAR , 1974										
14...	--	--	--	--	--	--	--	--	--	--
MAY										
09...	--	--	--	--	--	--	--	--	--	--
JUN										
20...	--	--	--	--	--	--	--	--	--	--
SEP										
04...	--	--	--	--	--	--	--	--	--	--
JUN , 1975										
25...	--	2	ND	1	--	--	40	.0	ND	--
JAN , 1976										
29...	--	--	--	--	--	--	120	--	--	--
JUN , 1977										
29...	--	--	--	--	--	--	100	--	--	--
FEB , 1978										
27...	<.5	--	--	--	<1	<2	120	--	--	ND

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
JUN , 1974										
20...	1030	.00	.00	.00	.00	.00	.00	--	.00	.00
AUG , 1978										
23...	1350	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	SILVER, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JUN , 1974										
20...	.00	.00	--	--	0	.00	--	.00	.00	.00
AUG , 1978										
23...	.00	.00	.00	.00	0	.00	.00	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 23 near 4-big-gun area

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1974										
13...	1000	42	--	235	.010	--	.010	20	.020	38
14...	0700	65	--	150	.030	--	.010	4.0	.010	14
14...	0730	75	--	148	.060	--	.010	3.7	.020	16
14...	0800	85	--	210	.020	--	.010	9.1	.010	26
14...	0900	95	--	188	.010	--	.010	8.2	.010	22
14...	1000	105	22.0	210	.040	--	.010	10	.020	27
14...	1200	115	22.0	215	.020	--	.010	11	.020	27
14...	1300	125	22.0	220	.020	--	.010	12	.010	30
14...	1400	135	22.5	230	.060	--	.010	12	.020	30
14...	1600	137	--	210	.120	.64	.100	26	.020	22
15...	1200	150	22.5	390	.080	.03	.090	20	.020	51
16...	0800	165	22.0	360	.060	--	.010	19	.020	39
17...	0800	185	21.5	420	.840	--	.430	32	.020	46
17...	1200	190	22.5	370	.120	.10	.070	20	.100	44
17...	1400	200	22.0	420	.490	--	.490	21	.070	46
18...	0900	215	22.0	350	1.60	--	1.70	18	.020	44
18...	1400	220	22.0	400	.610	--	.740	23	.020	45
19...	1200	240	--	450	.140	--	.110	24	.020	47
20...	0800	250	--	470	.160	--	.060	20	.050	48
20...	1200	260	--	470	.260	--	.110	26	.050	48
20...	1400	270	--	470	.290	--	.270	25	.040	50

Site 24

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
DEC , 1974												
10...	1145	260	--	88	--	.010	--	.05	--	.010	--	.04
10...	1215	260	--	127	--	.010	--	.03	--	.010	--	.06
10...	1230	260	--	99	--	.010	--	.03	--	.010	--	.06
10...	1400	260	--	90	--	.010	--	.02	--	.010	--	.08
10...	1600	260	--	94	--	.010	--	.06	--	.010	--	.08
12...	1300	260	--	195	--	.010	--	.03	--	.010	--	.00
12...	1500	260	--	234	--	.010	--	.04	--	<.010	--	.01
13...	0940	260	--	117	--	.010	--	.04	--	.020	--	.13
13...	1000	260	--	124	--	.010	--	.08	--	.020	--	.10
13...	1100	260	--	115	--	.010	--	.14	--	.010	--	.01
13...	1115	260	--	131	--	.010	--	.00	--	<.010	--	.01
13...	1130	260	--	124	--	.010	--	.01	--	.010	--	.03
13...	1145	260	--	128	--	.010	--	.01	--	<.010	--	.01
13...	1200	260	--	129	--	.010	--	.03	--	.010	--	.02
13...	1215	260	--	114	--	.010	--	.01	--	.010	--	.14
13...	1220	260	--	160	--	.010	--	.00	--	.010	--	.09
13...	1300	260	--	212	--	.010	--	.04	--	.010	--	.03
18...	0930	260	--	290	--	.010	--	.00	--	<.010	--	.00
APR , 1975												
09...	1045	260	--	270	--	--	<.010	--	.02	--	<.010	--
JUL												
10...	1420	260	21.5	285	7.6	--	.010	--	.09	--	<.010	--
OCT												
10...	1045	260	22.0	265	7.9	--	.010	--	.01	--	<.010	--
DEC												
16...	1400	260	--	310	--	.010	--	.03	--	<.010	--	.00
JAN , 1976												
29...	1000	260	22.0	255	8.1	--	.010	--	.01	--	<.010	--
MAY												
27...	1145	260	21.5	275	--	--	.020	--	.07	--	<.010	--
DEC												
28...	1100	260	22.0	260	7.8	--	.020	--	--	--	<.010	--
MAR , 1977												
16...	1200	260	--	255	--	--	.010	--	.00	--	<.010	--
JUN												
30...	1235	260	21.5	--	--	--	.010	--	.00	--	.010	--
SEP												
21...	1430	260	21.0	255	--	--	.010	--	.00	--	<.010	--
NOV												
08...	1430	260	21.5	264	--	--	<.010	--	.00	--	.010	--

Site 24--Continued

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC , 1974												
10...	--	--	--	--	<.010	.020	--	--	--	--	--	--
10...	--	--	--	--	<.010	.010	--	--	--	--	--	--
10...	--	--	--	--	<.010	.051	--	--	--	--	--	--
10...	--	--	--	--	<.010	.010	--	--	--	--	--	--
10...	--	--	--	--	<.010	.010	--	--	--	--	--	--
12...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
12...	--	--	--	--	<.010	.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
13...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
18...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
APR , 1975												
09...	.00	.02	<.10	.02	--	--	.020	.5	--	.0	110	19
JUL												
10...	.00	.10	<.10	.10	--	--	.020	.2	2	.0	108	15
OCT												
10...	.00	.02	<.10	.02	--	--	.020	--	--	.0	107	16
DEC												
16...	--	--	--	--	<.010	<.010	--	--	--	--	--	--
JAN , 1976												
29...	.01	.02	.01	.03	--	--	.040	--	--	--	107	15
MAY												
27...	.00	.09	<.10	.09	--	--	.040	.0	--	1.0	--	--
DEC												
28...	.00	.02	<.10	.02	--	--	<.200	--	--	--	115	11
MAR , 1977												
16...	.00	.01	<.10	.01	--	--	.020	--	--	2.0	--	--
JUN												
30...	.00	.01	.01	.02	--	--	.020	.3	0	1.1	108	20
SEP												
21...	.00	.01	<.10	.01	--	--	.020	--	--	--	--	--
NOV												
08...	.00	<.10	.01	.01	--	--	.030	--	0	--	--	--

DATE	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC , 1974												
10...	--	--	--	--	--	--	--	1.8	--	--	--	--
10...	--	--	--	--	--	--	--	2.3	--	--	--	--
10...	--	--	--	--	--	--	--	.6	--	--	--	--
10...	--	--	--	--	--	--	--	.4	--	--	--	--
10...	--	--	--	--	--	--	--	.6	--	--	--	--
12...	--	--	--	--	--	--	--	2.8	--	--	--	--
12...	--	--	--	--	--	--	--	3.1	--	--	--	--
13...	--	--	--	--	--	--	--	1.9	--	--	--	--
13...	--	--	--	--	--	--	--	1.9	--	--	--	--
13...	--	--	--	--	--	--	--	1.1	--	--	--	--
13...	--	--	--	--	--	--	--	1.6	--	--	--	--
13...	--	--	--	--	--	--	--	1.9	--	--	--	--
13...	--	--	--	--	--	--	--	1.9	--	--	--	--
13...	--	--	--	--	--	--	--	1.7	--	--	--	--
13...	--	--	--	--	--	--	--	1.3	--	--	--	--
13...	--	--	--	--	--	--	--	3.1	--	--	--	--
13...	--	--	--	--	--	--	--	4.2	--	--	--	--
18...	--	--	--	--	--	--	--	7.8	--	--	--	--
APR , 1975												
09...	130	32	12	4.4	.4	134	--	6.9	.2	17	9.1	141
JUL												
10...	120	31	11	4.4	.5	132	0	6.0	.3	19	8.6	164
OCT												
10...	120	32	10	4.6	.5	130	0	9.0	.2	17	8.3	150
DEC												
16...	--	--	--	--	--	--	--	7.4	--	--	--	--
JAN , 1976												
29...	120	32	10	4.5	.7	130	0	6.6	.2	18	8.2	144
MAY												
27...	--	--	--	4.6	--	--	--	8.4	--	--	--	--
DEC												
28...	130	32	11	4.8	.5	140	0	6.7	.2	--	8.6	156
MAR , 1977												
16...	--	--	--	4.7	--	--	--	6.8	--	--	--	--
JUN												
30...	130	33	11	4.4	.4	132	0	7.1	.1	18	9.3	161
SEP												
21...	--	--	--	3.7	--	--	--	6.8	--	--	--	--
NOV												
08...	--	--	--	4.6	--	--	--	7.8	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 24--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
SEP , 1978											
14...	0925	260	45	7.5	22.0	215	7.9	<.010	.00	<.010	.00
DEC											
28...	0915	260	37	7.5	21.5	208	8.1	<.010	.02	<.010	.00
MAR , 1979											
22...	0905	260	30	7.9	21.5	219	7.9	<.010	.00	<.010	.00
JUL											
16...	1640	260	35	8.1	21.5	208	7.9	<.010	.00	<.010	.00
DEC											
18...	1245	260	33	8.3	21.5	202	7.9	--	--	.000	.00
MAR , 1980											
13...	1540	260	38	5.0	21.5	203	7.9	.010	.07	.000	.00
JUN											
11...	1555	260	97	5.2	21.5	201	7.9	.020	.00	.000	.00
OCT											
16...	1515	260	67	3.9	22.0	240	--	.030	.00	.000	.00
JAN , 1981											
09...	1625	260	58	4.5	22.0	202	8.1	.020	.11	.000	.00

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
SEP , 1978											
14...	<.10	<.10	.00	.030	--	--	--	--	--	--	4.2
DEC											
28...	.02	<.10	.02	.020	--	110	32	140	37	12	4.5
MAR , 1979											
22...	<.10	<.10	.00	.030	--	--	--	--	--	--	--
JUL											
16...	<.10	<.10	.00	.030	--	110	6	120	30	9.9	4.4
DEC											
18...	.05	.00	.05	.030	--	--	--	--	--	--	--
MAR , 1980											
13...	.08	.00	.08	.040	.0	--	--	120	33	10	4.8
JUN											
11...	.02	.00	.02	.040	--	--	--	--	--	--	--
OCT											
16...	.03	.00	.03	.000	--	--	--	--	--	--	--
JAN , 1981											
09...	.13	.00	.13	.010	--	--	--	--	--	--	--

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
SEP , 1978										
14...	--	--	--	6.9	--	--	--	--	85.13	20.02
DEC										
28...	.4	--	--	6.2	.1	16	9.0	151	97.70	16.34
MAR , 1979										
22...	--	--	--	6.8	--	--	--	--	84.20	20.89
JUL										
16...	.5	--	--	6.5	.2	13	8.4	162	83.40	21.60
DEC										
18...	--	--	--	6.3	--	--	--	--	84.20	20.81
MAR , 1980										
13...	.6	110	.00	7.0	.2	15	--	--	--	--
JUN										
11...	--	110	.00	6.5	--	--	--	--	83.42	21.63
OCT										
16...	--	--	--	7.1	--	--	--	--	86.04	19.01
JAN , 1981										
09...	--	--	--	6.6	--	--	--	--	87.98	17.07

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)
APR , 1975										
09...	1045	10	--	<1	--	--	9	ND	--	ND
JUL										
10...	1420	20	--	<1	--	--	--	ND	--	ND
OCT										
10...	1045	--	--	--	--	--	--	--	--	--
JAN , 1976										
29...	1000	--	--	--	2	--	--	--	2	--
MAY										
27...	1145	--	<100	--	2	--	--	--	ND	--
DEC										
28...	1100	--	--	--	2	<100	--	--	ND	--
JUN , 1977										
30...	1235	--	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 24--Continued

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
APR , 1975										
09...	0	--	<2	--	<2	--	500	--	<2	--
JUL										
10...	0	--	ND	--	ND	--	350	--	4	--
OCT										
10...	--	--	--	--	--	--	--	--	--	--
JAN , 1976										
29...	--	--	--	--	--	NE	--	430	--	14
MAY										
27...	--	<20	--	ND	--	ND	--	310	--	4
DEC										
28...	--	<20	--	--	--	5	--	240	--	17
JUN , 1977										
30...	--	--	--	--	--	--	--	--	--	--

DATE	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)
APR , 1975									
09...	<10	--	--	30	<.5	--	6	--	ND
JUL									
10...	<10	--	--	20	<.5	--	8	--	ND
OCT									
10...	--	--	--	--	--	--	--	--	--
JAN , 1976									
29...	--	--	<10	--	--	<.5	--	--	--
MAY									
27...	--	<10	<10	--	--	<.5	--	5	--
DEC									
28...	--	--	<10	--	--	<.5	--	--	--
JUN , 1977									
30...	--	--	--	--	--	--	--	--	--

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	VANADIUM, TOTAL (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
APR , 1975									
09...	--	--	--	--	--	.0	--	20	--
JUL									
10...	--	<1	--	--	170	6.0	--	ND	--
OCT									
10...	--	--	--	--	210	--	--	--	--
JAN , 1976									
29...	--	--	--	--	250	--	--	--	20
MAY									
27...	7	--	<1	--	--	--	8.9	--	<20
DEC									
28...	--	--	<1	ND	90	--	--	--	<20
JUN , 1977									
30...	--	--	--	--	220	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 25 in 1977 expansion field

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
FEB , 1975										
06...	1100	69	--	--	21.0	49	8.3	.010	.00	.010
APR										
17...	0930	69	--	--	21.0	47	7.2	.030	.00	.010
JUN										
26...	1120	69	--	--	21.0	49	8.2	.030	.14	.010
OCT										
08...	1515	69	--	--	21.0	54	8.3	.010	.00	<.010
FEB , 1976										
04...	1500	69	--	--	21.5	48	8.2	.010	.07	<.010
AUG										
26...	1445	69	--	--	21.0	51	--	.010	.00	<.010
DEC										
15...	1600	69	--	--	21.0	--	8.3	.010	.01	<.010
MAR , 1977										
24...	1120	69	--	--	21.0	46	--	<.010	.02	<.010
JUN										
22...	1500	69	--	--	21.0	--	--	<.010	.19	<.010
SEP										
13...	1300	69	--	--	21.5	51	--	<.010	.00	<.010
NOV										
03...	1525	69	--	--	21.0	41	--	.010	.01	<.010
DEC , 1978										
20...	1335	69	29	8.3	20.5	42	7.4	.010	.00	<.010
JAN , 1979										
29...	1630	69	11	--	20.5	67	7.8	--	--	--
JUN										
28...	1620	69	23	8.5	21.0	70	7.7	--	--	--
NOV										
15...	1210	69	23	6.5	20.5	63	8.7	--	--	--
JAN , 1980										
31...	0840	69	13	6.5	20.5	138	7.4	--	--	--
MAR										
04...	1410	69	58	6.5	21.0	90	6.6	.010	.12	.000
APR										
09...	1340	69	56	6.5	21.0	137	6.9	.000	--	.000
MAY										
21...	1250	69	104	6.8	21.0	87	6.6	.030	.01	.000
JUN										
10...	1335	69	97	6.5	21.0	90	6.6	.000	.00	.000
JUL										
29...	1155	69	42	6.5	21.5	110	7.0	.000	.02	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)
FEB , 1975										
06...	.03	.03	.04	.05	.020	.9	0	--	5.0	23
APR										
17...	.04	.03	.05	.08	.010	--	--	--	.0	20
JUN										
26...	.02	.17	.03	.20	.020	.5	0	--	.0	18
OCT										
08...	.08	.01	.08	.09	.010	--	--	--	.0	29
FEB , 1976										
04...	.06	.08	.06	.14	.010	--	--	--	--	23
AUG										
26...	.04	.01	.04	.05	.030	--	--	--	--	--
DEC										
15...	.03	.02	.03	.05	.020	--	--	--	--	30
MAR , 1977										
24...	.04	.02	.04	.06	.020	--	--	--	.0	--
JUN										
22...	.02	.19	.02	.21	.010	.0	8	--	--	22
SEP										
13...	.20	<.10	.20	.20	.020	--	--	--	--	--
NOV										
03...	.03	.02	.03	.05	.010	--	1	--	--	--
DEC , 1978										
20...	.17	.01	.17	.18	.010	--	--	--	--	16
JAN , 1979										
29...	--	--	--	--	--	--	--	--	--	--
JUN										
28...	1.2	--	--	--	--	--	--	--	--	20
NOV										
15...	--	--	--	--	--	--	--	--	--	--
JAN , 1980										
31...	--	--	--	--	--	--	--	.7	--	--
MAR										
04...	1.3	.13	1.3	1.4	.000	--	--	--	--	--
APR										
09...	3.1	--	3.1	--	.020	--	--	--	--	--
MAY										
21...	2.9	.04	2.9	2.9	.010	--	--	--	--	--
JUN										
10...	--	.00	--	--	.010	--	--	--	--	--
JUL										
29...	2.0	.02	2.0	2.0	.010	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 25 in 1977 expansion field--Continued

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)
FEB , 1975										
06...	3	26	10	.2	.9	.1	28	--	0	--
APR										
17...	--	--	--	--	--	--	24	--	0	--
JUN										
26...	2	21	7.5	.4	1.0	.3	22	--	0	--
OCT										
08...	--	--	--	--	1.1	--	35	--	0	--
FEB , 1976										
04...	--	--	--	--	.8	--	28	--	0	--
AUG										
26...	--	--	--	--	1.5	--	--	--	--	--
DEC										
15...	--	--	--	--	1.4	--	36	--	0	--
MAR , 1977										
24...	--	--	--	--	.8	--	--	--	--	--
JUN										
22...	2	24	8.9	.5	1.3	.2	27	--	0	--
SEP										
13...	--	--	--	--	.6	--	--	--	--	--
NOV										
03...	--	--	--	--	1.1	--	--	--	--	--
DEC , 1978										
20...	5	21	7.6	.4	1.0	.1	--	--	--	--
JAN , 1979										
29...	--	--	--	--	--	--	--	--	--	--
JUN										
28...	5	25	9.2	.5	2.5	.2	--	--	--	--
NOV										
15...	--	26	9.8	.4	1.6	.2	--	--	--	--
JAN , 1980										
31...	--	43	16	.8	7.9	.2	--	21	--	.00
MAR										
04...	--	--	--	--	--	--	--	--	--	--
APR										
09...	--	--	--	--	--	--	--	29	--	.00
MAY										
21...	--	27	9.9	.5	7.1	.2	--	21	--	.00
JUN										
10...	--	--	--	--	--	--	--	18	--	.00
JUL										
29...	--	--	--	--	--	--	--	18	--	.00

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
FEB , 1975										
06...	1.4	<.1	.1	4.2	20	--	--	--	--	--
APR										
17...	1.4	--	--	--	--	--	--	--	--	--
JUN										
26...	1.9	<.1	.6	4.2	24	--	--	--	--	--
OCT										
08...	1.4	--	--	--	--	--	--	--	--	--
FEB , 1976										
04...	2.0	--	--	--	--	--	--	--	--	--
AUG										
26...	1.4	--	--	--	--	--	--	--	--	--
DEC										
15...	1.5	--	--	--	--	--	--	--	--	--
MAR , 1977										
24...	1.8	--	--	--	--	--	--	--	--	--
JUN										
22...	1.8	.1	.4	4.5	40	--	--	--	--	--
SEP										
13...	2.0	--	--	--	--	--	--	--	--	--
NOV										
03...	1.9	--	--	--	--	--	--	--	43.16	18.28
DEC , 1978										
20...	1.8	<.1	.2	4.4	29	--	--	--	--	--
JAN , 1979										
29...	4.0	--	--	--	--	--	--	--	--	--
JUN										
28...	4.5	<.1	.4	4.4	52	--	--	--	--	--
NOV										
15...	2.6	.0	.3	--	--	--	--	--	--	--
JAN , 1980										
31...	16	.1	.3	5.1	--	--	--	--	--	--
MAR										
04...	9.1	--	--	--	--	<1	<1	<1	--	--
APR										
09...	16	--	--	--	--	<1	<1	<1	--	--
MAY										
21...	9.7	.0	1.3	--	--	<1	<1	<1	--	--
JUN										
10...	10	--	--	--	--	<1	<1	<1	--	--
JUL										
29...	11	--	--	--	--	<1	<1	<1	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 25 in 1977 expansion field--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
AUG , 1980										
27...	1150	69	62	6.8	21.5	88	7.7	.010	.00	.000
OCT										
15...	1455	69	87	7.0	21.5	82	7.4	.020	.10	.000
NOV										
12...	1125	69	15	8.1	21.5	80	8.0	.000	.02	.000
DEC										
02...	1105	69	13	8.1	21.5	89	7.4	.030	.05	.000
JAN , 1981										
09...	0945	69	18	7.7	21.0	165	7.2	.010	.03	.000
FEB										
05...	1220	69	10	8.1	21.0	172	7.1	.000	.03	.000
MAR										
11...	0935	69	12	6.5	21.0	183	7.2	.000	.25	.000
APR										
30...	1000	69	15	--	21.5	148	7.8	.010	.03	.000
JUN										
17...	0830	69	--	--	--	--	--	.010	.03	.000
17...	1055	69	15	5.5	22.0	--	7.2	.010	.03	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
AUG , 1980										
27...	--	.01	--	--	.020	--	35	13	.6	3.7
OCT										
15...	1.7	.12	1.7	1.8	.000	--	--	--	--	--
NOV										
12...	2.9	.02	2.9	2.9	.020	--	--	--	--	--
DEC										
02...	2.4	.08	2.4	2.5	.010	.4	30	11	.7	5.3
JAN , 1981										
09...	4.0	.04	4.0	4.0	.000	--	--	--	--	--
FEB										
05...	4.0	.03	4.0	4.0	.010	.3	46	17	1.0	13
MAR										
11...	3.9	.25	3.9	4.2	.020	--	--	--	--	--
APR										
30...	2.2	.04	2.2	2.2	.020	<.1	45	17	.9	7.8
JUN										
17...	1.4	.04	1.4	1.4	.010	--	--	--	--	--
17...	1.3	.04	1.4	1.4	.010	--	--	--	--	--

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
AUG , 1980									
27...	.2	21	.00	6.6	.0	.0	<1	<1	<1
OCT									
15...	--	23	.00	5.6	--	--	<1	<1	<1
NOV									
12...	--	--	--	5.2	--	--	<1	<1	<1
DEC									
02...	.2	28	.00	7.4	.1	1.0	<1	<1	--
JAN , 1981									
09...	--	--	--	23	--	--	<1	<1	<1
FEB									
05...	.3	30	.00	25	.1	3.8	<1	<1	<1
MAR									
11...	--	--	--	26	--	--	<1	<1	<1
APR									
30...	.3	23	.00	19	.1	1.2	--	--	--
JUN									
17...	--	--	--	21	--	--	<1	<1	<1
17...	--	--	--	21	--	--	<1	<1	<1

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 25 in 1977 expansion field--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
FEB , 1975											
06...	1100	4	<1	--	--	5	<2	--	2	0	--
JUN											
26...	1120	10	<1	--	--	--	ND	--	11	0	--
FEB , 1976											
04...	1500	--	--	<1	--	--	--	<2	--	--	--
JUN , 1977											
22...	1500	--	--	2	<100	--	--	ND	--	--	<20

DATE	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)
FEB , 1975											
06...	5	ND	--	<10	--	3	--	<10	--	<10	<.5
JUN											
26...	<2	<2	--	20	--	ND	--	<10	--	20	<.5
FEB , 1976											
04...	--	--	ND	--	1500	--	7	--	<10	--	--
JUN , 1977											
22...	--	--	5	--	3600	--	18	--	20	--	--

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
FEB , 1975										
06...	--	<1	3	--	--	--	--	.7	6	--
JUN										
26...	--	<1	ND	<1	--	--	120	.0	ND	--
FEB , 1976										
04...	<.5	--	--	--	--	--	--	--	--	ND
JUN , 1977										
22...	<.5	--	--	--	<1	ND	30	--	--	ND

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 26

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
APR , 1975												
09...	1400	200	--	--	21.5	210	8.0	.060	.04	.010	.43	.10
JUN												
26...	1030	200	--	--	21.5	230	8.0	.090	.17	.010	.26	.26
OCT												
08...	1415	200	--	--	22.0	230	8.0	.070	.00	<.010	.37	.07
FEB , 1976												
04...	1400	200	--	--	22.0	226	8.1	.040	.07	.010	.22	.11
MAY												
13...	1000	200	--	--	21.5	225	--	.060	.00	.010	.30	.06
AUG												
26...	1400	200	--	--	21.5	225	--	.070	.00	<.010	.36	.07
MAR , 1977												
23...	1000	200	--	--	21.5	229	--	.050	.01	<.010	.39	.06
JUN												
29...	1400	200	--	--	21.5	--	--	.050	.00	<.010	.26	.05
SEP												
20...	1430	200	--	--	--	225	--	.030	.00	.040	.31	.03
NOV												
03...	1700	200	--	--	22.0	233	--	.060	.00	.010	.25	.06
DEC												
20...	1530	200	--	--	22.0	221	--	.040	.03	<.010	.39	.07
JUN , 1978												
01...	1010	200	53	8.6	21.5	230	7.8	.010	.00	<.010	.46	.01
SEP												
13...	1445	200	30	10	21.5	230	7.9	.020	.06	<.010	.37	.08
DEC												
28...	1440	200	34	9.4	21.5	219	8.0	<.010	.01	<.010	.45	.01
JAN , 1979												
29...	1535	200	32	12	21.5	218	8.0	.070	.02	<.010	.38	.09
MAR												
20...	1435	200	27	9.4	21.5	220	7.9	<.010	.01	<.010	.44	.01
JUN												
29...	1015	200	37	10	21.5	223	7.8	<.010	.00	<.010	.49	<.10
OCT												
10...	1010	200	45	10	21.5	221	7.8	.030	.05	.000	.55	.08
DEC												
19...	1030	200	32	12	21.5	223	7.9	.070	.01	.000	.43	.08
FEB , 1980												
20...	1105	200	44	8.8	21.0	221	8.0	.020	.04	.000	.56	.06
APR												
25...	0755	200	61	8.6	21.5	211	7.9	.030	.12	.000	.45	.15

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
APR , 1975												
09...	.44	.54	.030	.3	0	3.0	103	5	110	30	8.0	4.4
JUN												
26...	.27	.53	.020	.1	8	.0	100	7	110	30	7.8	4.6
OCT												
08...	.37	.44	.020	--	--	.0	107	--	--	--	--	4.8
FEB , 1976												
04...	.23	.34	.010	--	--	--	107	3	110	30	7.7	4.9
MAY												
13...	.31	.37	.030	--	--	--	--	--	--	--	--	4.8
AUG												
26...	.36	.43	.030	--	--	--	--	--	--	--	--	4.7
MAR , 1977												
23...	.39	.45	.020	--	--	3.0	--	--	--	--	--	5.1
JUN												
29...	.26	.31	.060	.8	4	3.4	103	3	110	30	7.7	5.1
SEP												
20...	.35	.38	.020	--	--	--	--	--	--	--	--	4.4
NOV												
03...	.26	.32	.020	--	4	--	--	--	--	--	--	5.4
DEC												
20...	.39	.46	.020	--	--	--	--	--	--	--	--	5.0
JUN , 1978												
01...	.46	.47	.020	--	--	--	--	--	--	--	--	4.9
SEP												
13...	.37	.45	.020	--	--	--	--	--	--	--	--	4.5
DEC												
28...	.45	.46	.020	--	--	--	98	24	120	34	9.0	4.6
JAN , 1979												
29...	.38	.47	<.010	--	--	--	--	--	--	--	--	--
MAR												
20...	.44	.45	.060	--	--	--	--	--	--	--	--	--
JUN												
29...	.49	.49	.030	--	--	--	100	3	100	29	7.4	4.9
OCT												
10...	.55	.63	.050	--	--	--	--	--	--	--	--	--
DEC												
19...	.43	.51	.050	--	--	--	--	--	--	--	--	--
FEB , 1980												
20...	.56	.62	.030	--	--	--	--	--	--	--	--	--
APR												
25...	.45	.60	.020	--	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 26--Continued

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
APR , 1975												
09...	.4	126	--	0	--	7.2	.1	3.1	7.9	119	--	--
JUN												
26...	.6	122	--	0	--	7.5	.1	3.8	7.6	130	--	--
OCT												
08...	--	130	--	0	--	7.3	--	--	--	--	--	--
FEB , 1976												
04...	.5	130	--	0	--	7.6	.1	3.8	7.4	124	--	--
MAY												
13...	--	--	--	--	--	7.3	--	--	--	--	--	--
AUG												
26...	--	--	--	--	--	7.8	--	--	--	--	--	--
MAR , 1977												
23...	--	--	--	--	--	8.0	--	--	--	--	--	--
JUN												
29...	.4	126	--	0	--	7.7	.1	6.0	7.6	190	--	--
SEP												
20...	--	--	--	--	--	7.7	--	--	--	--	--	--
NOV												
03...	--	--	--	--	--	8.8	--	--	--	--	35.04	18.23
DEC												
20...	--	--	--	--	--	8.0	--	--	--	--	--	--
JUN , 1978												
01...	--	--	--	--	--	7.5	--	--	--	--	32.96	20.31
SEP												
13...	--	--	--	--	--	7.6	--	--	--	--	31.95	21.32
DEC												
28...	.4	--	--	--	--	6.5	.1	1.7	7.5	121	35.21	18.06
JAN , 1979												
29...	--	--	--	--	--	7.2	--	--	--	--	32.90	20.33
MAR												
20...	--	--	--	--	--	7.0	--	--	--	--	31.60	21.68
JUN												
29...	.5	--	--	--	--	7.1	.1	3.8	7.0	125	29.70	23.61
OCT												
10...	--	--	--	--	--	7.3	--	--	--	--	27.50	25.79
DEC												
19...	--	--	--	--	--	7.2	--	--	--	--	31.10	22.17
FEB , 1980												
20...	--	--	115	--	.00	7.5	--	--	--	--	32.46	20.81
APR												
25...	--	--	120	--	.00	6.0	--	--	--	--	28.19	25.08

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
JUN , 1980										
19...	1425	200	88	8.1	22.0	208	7.8	.150	.14	.000
AUG										
06...	1025	200	46	8.8	22.0	209	7.9	.000	.06	.000
NOV										
13...	0850	200	32	10	22.0	212	8.0	.000	.05	.000
FEB , 1981										
02...	1430	200	30	10	22.0	209	8.0	.000	.03	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUN , 1980									
19...	.61	.29	.61	.90	.050	--	--	--	--
AUG									
06...	--	.06	--	--	.010	7.3	110	31	7.6
NOV									
13...	.58	.05	.58	.63	--	--	--	--	--
FEB , 1981									
02...	.68	.03	.68	.71	.020	.8	110	31	6.6

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 26--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1980									
19...	--	--	105	.00	8.0	--	--	30.50	22.77
AUG									
06...	4.9	.4	108	.00	7.7	.1	2.8	30.00	23.25
NOV									
13...	--	--	--	--	7.5	--	--	33.66	19.61
FEB , 1981									
02...	4.4	.3	108	.00	7.7	.2	3.7	35.03	18.24

DATE	TIME	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
APR , 1975									
09...	1400	--	--	--	40	ND	--	ND	0
JUN									
26...	1030	<100	<1	--	--	ND	--	5	0
FEB , 1976									
04...	1400	--	--	1	--	--	<2	--	--
JUN , 1977									
29...	1400	--	--	--	--	--	--	--	--

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
APR , 1975									
09...	--	ND	--	400	2	--	<10	--	50
JUN									
26...	<2	ND	--	60	2	--	<10	--	<10
FEB , 1976									
04...	--	--	ND	--	--	3	--	<10	--
JUN , 1977									
29...	--	--	--	--	--	--	--	--	--

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
APR , 1975									
09...	--	--	--	ND	--	--	--	20	--
JUN									
26...	<.5	--	<1	ND	<1	120	.0	40	--
FEB , 1976									
04...	--	<.5	--	--	--	120	--	--	20
JUN , 1977									
29...	--	--	--	--	--	100	--	--	--

Site 27 in 4-big-gun area

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
NOV , 1975							
03...	1200	30	--	735	.050	.01	.040
04...	0800	60	--	328	.470	.07	.180
04...	0900	72	--	290	.780	.08	.640
04...	1200	75	--	298	.100	.31	.220
04...	1400	80	--	282	.040	.16	.290
05...	0800	90	--	328	.060	.30	.480
05...	1000	100	--	436	.110	.11	.290
05...	1200	108	--	425	.030	.03	.130
05...	1230	120	22.0	422	.040	.05	.040
05...	1300	130	21.5	425	.040	.05	.020
05...	1400	140	21.5	450	.020	.24	.090
05...	1500	150	21.5	412	.380	.07	.340

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 27 in 4-big-gun area--Continued

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV , 1975							
03...	23	.06	23	23	.040	39	34
04...	7.8	.54	8.0	8.5	.070	16	20
04...	5.3	.86	5.9	6.8	.010	6.1	24
04...	6.3	.41	6.5	6.9	.010	5.8	24
04...	6.2	.20	6.5	6.7	.030	4.4	21
05...	7.5	.36	8.0	8.3	.020	6.3	26
05...	12	.22	12	13	.020	20	33
05...	12	.06	12	12	.020	17	32
05...	12	.09	12	12	.040	17	31
05...	12	.09	12	12	.040	17	32
05...	12	.26	12	12	.020	20	33
05...	9.6	.45	9.9	10	.020	17	32

Site 28 in 4-big-gun area

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
JUN , 1976												
08...	1420	158	--	--	21.5	--	7.8	.010	.04	.010	13	.05
MAR , 1977												
29...	1000	158	--	--	21.5	354	--	.010	.05	.010	5.3	.06
JUN												
29...	1550	158	--	--	21.5	--	--	.010	.00	.010	3.3	.01
SEP												
14...	0935	158	--	--	--	305	--	.040	.07	<.010	1.3	.11
NOV												
03...	1110	158	--	--	21.5	306	--	.020	.05	.010	2.2	.07
MAR , 1978												
01...	1505	158	--	--	21.0	287	7.7	<.010	.02	.010	4.2	.02
JUN												
07...	0925	158	40	6.5	21.5	320	7.7	.010	.03	.010	4.2	.04
SEP												
26...	1345	158	24	12	21.0	320	7.7	<.010	.02	.010	3.6	.02
DEC												
08...	1005	158	28	11	21.5	312	7.8	.040	.08	.020	3.4	.12
MAR , 1979												
22...	1345	158	16	11	21.5	300	7.7	<.010	.00	.010	2.6	<.10
NOV												
14...	1330	158	45	12	21.5	360	7.8	.010	.07	.010	--	.08
DEC												
18...	1600	158	26	11	21.5	318	7.8	.070	.00	.010	--	.07

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
JUN , 1976											
08...	13	13	.250	.6	11	1.0	131	29	160	51	7.5
MAR , 1977											
29...	5.3	5.4	.030	--	--	--	--	--	--	--	--
JUN											
29...	3.3	3.3	.020	.6	4	--	115	22	140	42	7.8
SEP											
14...	1.3	1.4	.100	--	--	--	--	--	--	--	--
NOV											
03...	2.2	2.3	.040	--	2	--	--	--	--	--	--
MAR , 1978											
01...	4.2	4.2	.040	2.0	6	--	110	19	130	41	7.6
JUN											
07...	4.2	4.3	.020	--	--	--	--	--	--	--	--
SEP											
26...	3.6	3.6	.020	--	--	--	--	--	--	--	--
DEC											
08...	3.4	3.5	.070	--	--	--	110	40	150	46	8.6
MAR , 1979											
22...	2.6	2.6	.020	--	--	--	--	--	--	--	--
NOV											
14...	--	--	.030	--	--	--	--	--	140	44	7.0
DEC											
18...	--	--	.030	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 28 in 4-big-gun area--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEV-ATION ABOVE NGVD (FEET)
JUN , 1976											
08...	27	1.8	160	0	33	.1	16	7.9	301	--	--
MAR , 1977											
29...	16	--	--	--	23	--	--	--	--	--	--
JUN											
29...	14	.7	140	0	25	<.1	6.0	8.1	253	--	--
SEP											
14...	12	--	--	--	17	--	--	--	--	--	--
NOV											
03...	13	--	--	--	20	--	--	--	--	35.12	18.65
MAR , 1978											
01...	14	.9	140	0	21	.1	10	8.3	170	--	--
JUN											
07...	13	--	--	--	19	--	--	--	--	33.30	20.47
SEP											
26...	13	--	--	--	18	--	--	--	--	32.62	21.15
DEC											
08...	12	.7	--	--	18	.1	8.3	8.0	175	35.20	18.58
MAR , 1979											
22...	--	--	--	--	17	--	--	--	--	27.80	25.98
NOV											
14...	19	1.3	--	--	23	.1	14	--	--	30.00	23.75
DEC											
18...	--	--	--	--	18	--	--	--	--	31.30	22.49

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
JUN , 1976										
08...	1420	320	1	--	<2	<20	ND	ND	<10	6
JUN , 1977										
29...	1550	--	--	--	--	--	--	--	--	--
MAR , 1978										
01...	1505	--	--	<100	ND	<20	--	<2	--	3

DATE	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, TOTAL (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUN , 1976										
08...	<10	<10	<.5	<1	2	<1	--	200	11	<20
JUN , 1977										
29...	--	--	--	--	--	--	--	120	--	--
MAR , 1978										
01...	--	20	--	--	--	--	ND	80	--	<20

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 29 in 4-big-gun area

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
MAR , 1976											
23...	0930	45	--	--	--	434	--	.010	.05	<.010	8.0
23...	0950	50	--	--	--	510	--	.020	.02	<.010	14
23...	1100	60	--	--	--	417	--	.030	.10	<.010	7.6
23...	1430	70	--	--	--	410	--	.040	.04	.010	6.4
23...	1600	80	--	--	--	400	--	.040	.07	<.010	6.0
24...	0900	90	--	--	--	365	--	.050	.15	.010	5.1
24...	1100	100	--	--	--	422	--	.140	.72	.100	5.8
24...	1300	110	--	--	--	355	--	.130	.43	.060	3.9
24...	1500	130	--	--	--	400	--	.040	.11	.050	6.6
24...	1530	140	--	--	--	402	--	.020	.00	.010	8.6
25...	1000	150	--	--	--	374	--	.040	.07	.010	4.9
26...	0800	160	--	--	--	354	--	.200	.17	.210	5.6
26...	0900	170	--	--	--	377	--	.090	.11	.100	6.0
26...	1000	180	--	--	--	360	--	.120	.20	.110	5.5
26...	1100	190	--	--	--	405	--	.370	.09	.240	5.8
26...	1200	200	--	--	--	625	--	.040	.05	.030	5.7
MAY											
01...	0800	210	--	--	--	251	--	.030	.38	.800	1.2
01...	0900	220	--	--	--	240	--	.150	.37	.150	3.4
01...	1000	230	--	--	--	299	--	.240	.14	.210	7.8
01...	1100	240	--	--	--	310	--	.040	.21	.110	4.5
01...	1200	250	--	--	--	331	--	.040	.10	.130	6.9
13...	1130	--	--	--	21.5	269	--	.010	.01	.010	1.7
JUN , 1977											
29...	1510	--	--	--	21.5	--	--	.010	.00	<.010	.82
SEP											
21...	1530	--	--	--	--	250	--	.010	.00	<.010	.89
NOV											
08...	1300	--	--	--	22.0	262	--	<.010	.03	.030	1.1
MAR , 1978											
01...	1425	--	--	--	21.5	246	7.7	<.010	.00	.020	.88
JUN											
01...	1425	--	--	--	22.0	245	7.8	.010	.00	.020	.96
AUG											
23...	1515	--	40	8.0	21.5	265	7.8	.030	.00	.030	.97
DEC											
08...	1125	--	33	11	21.0	255	7.7	.020	.01	.030	1.3
JAN , 1979											
29...	1210	--	26	12	21.0	252	7.8	.060	.03	.020	1.4
MAR											
22...	1130	--	34	9.4	21.5	244	7.7	<.010	.00	.020	1.3

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
MAR , 1976											
23...	.06	8.0	8.1	.010	--	--	--	--	--	--	--
23...	.04	14	14	.010	--	--	--	--	--	--	--
23...	.13	7.6	7.7	.010	--	--	--	--	--	--	--
23...	.08	6.4	6.5	.010	--	--	--	--	--	--	--
23...	.11	6.0	6.1	.010	--	--	--	--	--	--	--
24...	.20	5.1	5.3	.020	--	--	--	--	--	--	--
24...	.86	5.9	6.8	.010	--	--	--	--	--	--	--
24...	.56	4.0	4.5	.010	--	--	--	--	--	--	--
24...	.15	6.7	6.8	.020	--	--	--	--	--	--	--
24...	.02	8.6	8.6	.020	--	--	--	--	--	--	--
25...	.11	4.9	5.0	.030	--	--	--	--	--	--	--
26...	.37	5.8	6.2	.010	--	--	--	--	--	--	--
26...	.20	6.1	6.3	.020	--	--	--	--	--	--	--
26...	.32	5.6	5.9	.010	--	--	--	--	--	--	--
26...	.45	6.0	6.5	.010	--	--	--	--	--	--	--
26...	.09	5.7	5.8	.010	--	--	--	--	--	--	--
MAY											
01...	.41	2.0	2.4	.020	--	--	--	--	--	--	--
01...	.52	3.6	4.1	.040	--	--	--	--	--	--	--
01...	.38	8.0	8.4	.030	--	--	--	--	--	--	--
01...	.25	4.6	4.9	.020	--	--	--	--	--	--	--
01...	.14	7.0	7.2	.030	--	--	--	--	--	--	--
13...	.02	1.7	1.7	.050	--	--	--	--	--	--	--
JUN , 1977											
29...	.01	.82	.83	.260	.6	0	107	8	110	35	6.5
SEP											
21...	.01	.89	.90	.030	--	--	--	--	--	--	--
NOV											
08...	<.10	1.1	1.1	.030	--	0	--	--	--	--	--
MAR , 1978											
01...	<.10	.90	.90	.040	1.1	4	110	5	110	34	6.5
JUN											
01...	.01	.98	.99	.050	--	--	--	--	--	--	--
AUG											
23...	.03	1.0	1.0	.040	--	--	--	--	--	--	--
DEC											
08...	.14	1.3	1.5	.070	--	--	99	12	110	34	6.3
JAN , 1979											
29...	.09	1.4	1.5	.020	--	--	--	--	--	--	--
MAR											
22...	<.10	1.3	1.3	.050	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 29 in 4-big-gun area--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEV-ATION ABOVE NGVD (FEET)
MAR , 1976											
23...	22	--	--	--	23	--	--	--	--	45.00	--
23...	27	--	--	--	30	--	--	--	--	50.00	--
23...	20	--	--	--	25	--	--	--	--	60.00	--
23...	20	--	--	--	24	--	--	--	--	70.00	--
23...	19	--	--	--	24	--	--	--	--	80.00	--
24...	18	--	--	--	23	--	--	--	--	90.00	--
24...	21	--	--	--	25	--	--	--	--	100.00	--
24...	14	--	--	--	18	--	--	--	--	110.00	--
24...	18	--	--	--	21	--	--	--	--	130.00	--
24...	19	--	--	--	26	--	--	--	--	140.00	--
25...	16	--	--	--	21	--	--	--	--	150.00	--
26...	17	--	--	--	24	--	--	--	--	160.00	--
26...	17	--	--	--	23	--	--	--	--	170.00	--
26...	18	--	--	--	23	--	--	--	--	180.00	--
26...	23	--	--	--	25	--	--	--	--	190.00	--
26...	10	--	--	--	11	--	--	--	--	200.00	--
MAY											
01...	9.0	--	--	--	11	--	--	--	--	210.00	--
01...	9.1	--	--	--	12	--	--	--	--	220.00	--
01...	14	--	--	--	15	--	--	--	--	230.00	--
01...	11	--	--	--	16	--	--	--	--	240.00	--
01...	14	--	--	--	20	--	--	--	--	250.00	--
13...	8.7	--	--	--	11	--	--	--	--	--	--
JUN , 1977											
29...	7.4	.6	130	0	19	.1	<1.0	6.2	188	--	--
SEP											
21...	6.9	--	--	--	10	--	--	--	--	--	--
NOV											
08...	7.9	--	--	--	12	--	--	--	--	--	--
MAR , 1978											
01...	6.9	.7	130	0	9.8	.1	6.3	7.7	130	--	--
JUN											
01...	7.1	--	--	--	9.8	--	--	--	--	33.59	20.69
AUG											
23...	7.6	--	--	--	11	--	--	--	--	32.44	21.84
DEC											
08...	7.5	.7	--	--	10	.1	4.5	7.3	145	35.70	18.61
JAN , 1979											
29...	--	--	--	--	11	--	--	--	--	33.60	20.72
MAR											
22...	--	--	--	--	11	--	--	--	--	31.30	22.97

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
AUG , 1979											
14...	0910	25	12	21.5	262	7.7	<.010	.00	.020	1.7	<.10
NOV											
14...	1430	35	12	21.5	264	7.8	.010	.04	.020	1.5	.05
DEC											
19...	0935	33	11	21.5	261	7.8	.070	.00	.010	.96	.07
FEB , 1980											
19...	1615	39	8.6	21.5	260	7.8	.000	.24	.030	1.3	.24
MAR											
11...	1545	45	8.6	21.0	261	7.8	.000	--	.010	1.2	--
APR											
29...	1445	65	8.1	21.5	252	7.9	.110	.04	.000	1.3	.15
MAY											
27...	1400	66	8.3	21.5	248	7.7	.000	.05	.000	1.2	.05
AUG											
07...	0900	53	8.6	22.0	244	7.8	.030	.03	.000	--	.06
SEP											
11...	1435	46	8.8	21.5	249	7.8	.010	.10	.000	1.0	.11
OCT											
16...	1155	41	8.3	21.5	250	--	.020	.19	.010	1.2	.21
NOV											
12...	1540	45	10	22.0	249	7.8	--	--	--	--	--
DEC											
02...	1515	30	10	22.0	246	7.9	.040	.06	.000	.99	.10
JAN , 1981											
06...	1640	31	10	21.5	245	7.9	.030	.01	.000	1.2	.04
FEB											
02...	1615	32	10	22.0	240	7.9	.010	.09	.000	--	.10
MAR											
11...	1330	31	8.1	21.5	240	8.0	--	--	.000	1.4	.05
APR											
30...	1235	30	--	22.0	240	8.0	.000	.12	.000	1.1	.12

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 29 in 4-big-gun area--Continued

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
AUG , 1979										
14...	1.7	1.7	.050	--	99	14	110	35	6.1	9.1
NOV										
14...	1.5	1.5	.070	--	--	--	120	36	6.1	10
DEC										
19...	.57	1.0	.060	--	--	--	--	--	--	--
FEB , 1980										
19...	1.3	1.6	.050	--	--	--	110	35	6.3	9.0
MAR										
11...	1.2	--	.050	--	--	--	--	--	--	--
APR										
29...	1.3	1.4	.030	--	--	--	--	--	--	--
MAY										
27...	1.2	1.2	.070	--	--	--	--	--	--	--
AUG										
07...	--	--	.030	5.0	--	--	120	37	6.6	7.2
SEP										
11...	1.0	1.1	.040	--	--	--	--	--	--	--
OCT										
16...	1.2	1.4	.040	--	--	--	--	--	--	--
NOV										
12...	--	--	--	--	--	--	--	--	--	--
DEC										
02...	.59	1.1	.030	.2	--	--	120	37	6.4	7.1
JAN , 1981										
06...	1.2	1.2	.030	--	--	--	--	--	--	--
FEB										
02...	--	--	.030	--	--	--	--	--	--	--
MAR										
11...	1.4	1.5	.040	--	--	--	--	--	--	--
APR										
30...	1.1	1.2	.040	<.1	--	--	120	39	6.0	6.6

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	CAR-BONATE IT-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEV-ATION ABOVE NGVD (FEET)
AUG , 1979										
14...	.7	--	--	13	.1	6.7	7.4	154	29.30	25.02
NOV										
14...	.7	--	--	13	.1	5.9	--	--	30.50	23.75
DEC										
19...	--	--	--	13	--	--	--	--	31.80	22.49
FEB , 1980										
19...	.7	139	.00	12	.2	6.3	--	--	33.09	21.19
MAR										
11...	--	118	.00	13	--	--	--	--	32.90	21.38
APR										
29...	--	114	.00	12	--	--	--	--	28.90	25.38
MAY										
27...	--	130	.00	12	--	--	--	--	30.07	24.21
AUG										
07...	.6	115	.00	10	.2	4.8	--	--	30.70	23.61
SEP										
11...	--	115	.00	10	--	--	--	--	32.20	22.11
OCT										
16...	--	--	--	11	--	--	--	--	33.53	20.75
NOV										
12...	--	--	--	--	--	--	--	--	34.14	20.14
DEC										
02...	.6	127	.00	11	.1	6.5	--	--	34.49	19.79
JAN , 1981										
06...	--	--	--	11	--	--	--	--	35.24	19.04
FEB										
02...	--	--	--	11	--	--	--	--	35.62	18.66
MAR										
11...	--	--	--	12	--	--	--	--	31.52	22.76
APR										
30...	.3	104	.00	11	.2	5.2	--	--	32.66	21.62

DATE	TIME	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUN , 1977										
29...	1510	--	--	--	--	--	--	--	90	--
MAR , 1978										
01...	1425	<100	ND	<20	7	3	80	ND	80	20

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 29 in 4-big-gun area--Continued

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
AUG , 1978									
23...	1515	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
AUG , 1978								
23...	.00	.00	.00	.00	.00	0	.00	.00

Site 30

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
JUN , 1977							
03...	1430	--	164	<.010	.05	<.010	.00
SEP							
27...	1000	21.5	180	.010	.19	.010	.48

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1977						
03...	.05	<.10	.05	.010	3.1	5.6
SEP						
27...	.20	.49	.69	.030	3.0	6.8

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 31 in 4-big-gun area

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT , 1972											
26...	1200	--	--	--	245	--	.020	.10	.021	6.6	--
MAR , 1980											
04...	1455	30	4.9	21.5	317	7.7	.020	.08	.000	5.7	.10
APR											
09...	1425	28	5.0	21.0	318	7.7	.210	.17	.000	6.4	.38
MAY											
19...	1350	61	5.0	21.5	317	7.7	.030	.02	.000	5.7	.05
JUN											
10...	1130	77	4.8	21.0	316	7.7	.040	.07	.000	5.9	.11
JUL											
29...	1330	40	4.9	22.0	310	7.8	.000	.07	.000	--	.07
AUG											
27...	1410	68	5.0	22.0	301	7.8	.040	.03	.000	5.3	.07
OCT											
15...	1255	95	5.4	22.0	282	7.8	.060	.00	.000	5.2	.06
NOV											
12...	1205	20	6.4	21.5	301	7.9	.050	.00	.000	--	.05
DEC											
02...	1305	12	6.7	21.5	298	7.9	.010	.07	.000	4.8	.08
JAN , 1981											
09...	0915	21	5.7	21.0	301	7.9	.010	.02	.000	5.0	.03
FEB											
03...	1045	18	6.2	21.5	300	7.9	.030	.04	.000	5.8	.07
MAR											
11...	1010	17	5.7	21.5	317	7.8	.010	.08	.000	6.9	.09
APR											
30...	1107	17	--	21.5	302	7.9	.020	.02	.000	5.4	.04
JUN											
17...	0950	--	--	--	--	--	.070	.06	.000	3.0	.13
17...	1210	20	--	22.0	--	7.8	.070	.06	.000	3.0	.13

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)
OCT , 1972										
26...	--	--	.015	--	--	--	--	--	--	--
MAR , 1980										
04...	5.7	5.8	.000	--	--	--	--	--	--	120
APR										
09...	6.4	6.8	.030	--	--	--	--	--	--	--
MAY										
19...	5.7	5.8	.030	--	100	32	5.3	17	1.2	93
JUN										
10...	5.5	6.0	.020	--	--	--	--	--	--	110
JUL										
29...	--	--	.030	--	--	--	--	--	--	88
AUG										
27...	5.2	5.4	.020	1.0	120	38	6.1	15	1.1	86
OCT										
15...	5.2	5.3	.010	--	--	--	--	--	--	103
NOV										
12...	--	--	.080	--	--	--	--	--	--	--
DEC										
02...	4.8	4.9	.020	.8	120	38	6.1	15	.9	101
JAN , 1981										
09...	5.0	5.0	.020	--	--	--	--	--	--	--
FEB										
03...	5.8	5.9	.020	--	--	--	--	--	--	--
MAR										
11...	6.9	7.0	.030	--	--	--	--	--	--	--
APR										
30...	5.4	5.4	.030	<.1	110	36	5.9	16	.8	91
JUN										
17...	3.0	3.1	.030	--	--	--	--	--	--	--
17...	3.0	3.1	.030	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 31 in 4-big-gun area--Continued

DATE	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	COLIFORM, TOTAL, INMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
OCT , 1972										
26...	--	30	--	--	7.8	--	--	--	--	--
MAR , 1980										
04...	.00	25	--	--	--	<1	<1	<1	--	--
APR										
09...	--	24	--	--	--	<1	<1	<1	--	--
MAY										
19...	.00	22	.1	1[illegible]	--	<1	<1	<1	--	--
JUN										
10...	.00	25	--	--	--	<1	<1	<1	--	--
JUL										
29...	.00	23	--	--	--	<1	<1	<1	32.45	22.70
AUG										
27...	.00	21	.1	14	--	<1	<1	<1	32.30	22.88
OCT										
15...	.00	21	--	--	--	--	--	--	34.33	20.83
NOV										
12...	--	20	--	--	--	<1	<1	<1	35.10	20.06
DEC										
02...	.00	20	.1	1[illegible]	--	<1	<1	<1	35.40	19.76
JAN , 1981										
09...	--	20	--	--	--	<1	<1	<1	36.14	19.02
FEB										
03...	--	22	--	--	--	<1	<1	<1	36.62	18.54
MAR										
11...	--	24	--	--	--	<1	<1	<1	32.48	22.68
APR										
30...	.00	23	.1	1[illegible]	--	--	--	--	33.53	21.63
JUN										
17...	--	22	--	--	--	<1	<1	K20	--	--
17...	--	22	--	--	--	<1	<1	2	35.15	--

Site 32 in 1977 expansion field

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT , 1972												
25...	--	--	--	--	50	--	--	--	--	--	--	--
26...	1200	--	--	--	58	--	.020	.16	.002	.09	--	--
MAR , 1973												
17...	--	--	--	--	60	--	--	--	--	--	--	--
DEC , 1978												
20...	1545	38	5.6	21.0	53	9.0	.010	.01	<.010	.18	.02	.18
JAN , 1979												
25...	1255	22	5.7	21.0	53	9.0	.020	.02	<.010	.39	.04	.39
JUL												
17...	1120	24	5.3	21.5	74	8.9	.010	.00	--	1.3	<.10	1.3
NOV												
14...	1625	50	5.3	21.0	84	8.9	.000	.02	.000	1.7	.02	1.7
MAR , 1980												
04...	1245	50	4.3	20.5	96	8.8	.020	.07	.000	1.8	.09	1.8
APR												
09...	1150	49	4.7	21.0	92	--	.000	.29	.000	2.4	.29	2.4
MAY												
19...	1155	83	4.3	21.5	90	8.8	.010	.00	.000	1.5	.01	1.5
JUN												
10...	0940	56	4.2	21.0	92	8.8	.000	.03	.000	1.7	.03	1.8
JUL												
29...	1045	52	4.1	22.0	95	8.9	.000	.02	.000	2.6	.02	2.6
AUG												
27...	1020	53	4.4	22.0	98	8.9	.020	.01	.000	1.6	.03	1.6
OCT												
15...	1200	50	4.8	22.0	105	8.9	.030	.16	.060	1.5	.19	1.5
NOV												
12...	1050	41	4.3	21.5	112	9.0	.000	.00	.000	--	.00	--
DEC												
02...	1215	24	5.7	21.5	106	9.0	.050	.17	.000	1.9	.22	1.9
JAN , 1981												
09...	1025	28	4.9	21.0	110	9.0	.010	.00	.000	1.8	.01	1.8
FEB												
03...	1125	28	5.0	21.5	120	8.9	.000	.02	.010	2.2	.02	2.2
MAR												
11...	0900	31	3.3	21.5	135	8.9	.000	.10	.000	2.0	.10	2.0
APR												
30...	1045	30	--	20.6	140	8.8	.010	.00	.000	1.6	.01	1.7
JUN												
17...	1140	30	--	22.0	--	8.8	.070	--	.000	12	.03	12

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 32 in 1977 expansion field--Continued

DATE	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT , 1972											
25...	--	--	--	--	--	--	--	--	--	--	--
26...	--	.010	--	--	--	--	--	--	--	--	--
MAR , 1973											
17...	--	--	--	--	--	--	--	--	--	--	--
DEC , 1978											
20...	.20	.010	--	--	24	4	28	10	.8	1.0	.2
JAN , 1979											
29...	.43	<.010	--	--	--	--	--	--	--	--	--
JUL											
17...	1.3	.010	--	--	25	3	28	9.7	.8	1.2	.3
NOV											
14...	1.7	.020	--	--	--	--	34	12	.9	1.9	.2
MAR , 1980											
04...	1.9	.000	--	.0	--	--	37	13	1.0	2.2	.2
APR											
09...	2.7	.040	--	--	--	--	--	--	--	--	--
MAY											
19...	1.5	.000	--	--	--	--	32	11	1.0	2.7	.2
JUN											
10...	1.8	.030	--	--	--	--	--	--	--	--	--
JUL											
29...	2.6	.010	--	--	--	--	--	--	--	--	--
AUG											
27...	1.6	.010	7.6	--	--	--	40	14	1.2	3.1	.2
OCT											
15...	1.7	.000	--	--	--	--	--	--	--	--	--
NOV											
12...	--	.060	--	--	--	--	--	--	--	--	--
DEC											
02...	2.1	.010	.0	--	--	--	41	14	1.4	3.0	.2
JAN , 1981											
09...	1.8	.000	--	--	--	--	--	--	--	--	--
FEB											
03...	2.2	.010	--	--	--	--	--	--	--	--	--
MAR											
11...	2.1	.030	--	--	--	--	--	--	--	--	--
APR											
30...	1.7	.020	<.1	--	--	--	52	19	1.4	4.6	.3
JUN											
17...	12	.030	--	--	--	--	--	--	--	--	--

DATE	BICAR-BONATE IT-FLD (MG/L AS HCO3)	CAR-BONATE IT-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT , 1972											
25...	--	--	1.0	--	--	--	--	--	--	--	--
26...	--	--	2.0	--	--	4.5	--	--	--	--	--
MAR , 1973											
17...	--	--	1.0	--	--	--	--	--	--	--	--
DEC , 1978											
20...	--	--	1.4	<.1	.1	5.5	34	--	--	--	--
JAN , 1979											
29...	--	--	1.7	--	--	--	--	--	--	--	--
JUL											
17...	--	--	5.0	<.1	.7	5.2	52	--	--	--	--
NOV											
14...	--	--	7.5	.0	.1	--	--	--	--	--	--
MAR , 1980											
04...	19	6.0	9.8	.0	.1	--	--	<1	<1	<1	--
APR											
09...	--	--	10	--	--	--	--	<1	<1	<1	--
MAY											
19...	31	4.0	11	.1	.0	--	--	<1	<1	<1	--
JUN											
10...	24	1.0	13	--	--	--	--	--	--	--	--
JUL											
29...	19	1.0	12	--	--	--	--	<1	<1	<1	40.61
AUG											
27...	19	1.0	12	.1	.0	--	--	<1	<1	<1	40.50
OCT											
15...	19	1.0	14	--	--	--	--	<1	<1	<1	42.56
NOV											
12...	--	--	--	--	--	--	--	<1	<1	<1	43.27
DEC											
02...	17	1.0	13	.1	.7	--	--	<1	<1	<1	43.60
JAN , 1981											
09...	--	--	14	--	--	--	--	<1	<1	<1	44.28
FEB											
03...	--	--	16	--	--	--	--	<1	<1	<1	--
MAR											
11...	--	--	18	--	--	--	--	<1	<1	<1	40.63
APR											
30...	16	1.0	18	.1	5.2	--	--	--	--	--	41.70
JUN											
17...	--	--	14	--	--	--	--	<1	<1	18	44.30

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 32 in 1977 expansion field--Continued

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
JUN , 1981									
17...	1220	.070	.00	.000	.07	.030	14	<1	<1

Site 33

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1978											
14...	1515	140	11	20.5	60	8.3	.020	.00	.010	.09	.02
DEC											
26...	1010	52	11	20.5	66	8.5	.010	.00	.010	.07	.01
JAN , 1979											
29...	1420	52	13	20.5	55	8.3	--	--	<.010	.06	--
MAR											
22...	1430	22	12	20.5	51	7.7	<.010	.00	.010	.00	<.10
JUL											
17...	0920	25	13	20.0	49	7.5	<.010	.04	<.010	.17	.16
OCT											
10...	1800	55	12	21.0	53	7.6	.030	.07	.000	.15	.10
NOV											
14...	1520	27	12	21.0	51	7.8	.010	.00	.000	.16	.01
DEC											
18...	1515	30	12	21.0	47	8.0	.010	.02	.010	.11	.03
JAN , 1980											
30...	0825	40	9.4	21.0	56	8.2	.010	.04	.000	.13	.05
FEB											
20...	1245	43	9.1	20.5	44	7.5	.000	.18	.000	.15	.18
MAR											
11...	1700	48	9.1	20.5	50	7.6	.010	.06	.000	.12	.07
APR											
29...	1230	134	8.1	20.0	46	7.7	.010	.08	.000	.15	.09
JUN											
19...	1220	129	9.1	20.5	52	7.3	.000	.02	.000	.17	.02
AUG											
05...	1630	108	9.4	21.0	56	7.3	.000	.03	.000	.11	.03
SEP											
11...	1325	73	8.8	21.0	65	7.2	.030	--	.000	.12	--
OCT											
15...	1620	41	8.8	21.0	82	7.0	.010	.00	.000	--	.01
NOV											
12...	1445	11	10	21.5	82	7.0	.000	.00	.000	--	.00
DEC											
02...	1410	15	10	21.5	81	7.2	.030	.05	.000	.14	.08
JAN , 1981											
06...	1500	10	11	21.0	81	7.2	.000	.00	.000	.12	.00
FEB											
02...	1525	13	10	21.5	84	7.4	.000	.04	.000	.26	.04
MAR											
10...	1555	13	6.5	20.5	64	7.0	.010	.04	.000	.11	.05

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 33--Continued

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
SEP , 1978										
14...	.10	.12	.080	--	--	--	--	--	--	1.3
DEC										
26...	.08	.09	.030	--	32	0	32	12	.4	1.4
JAN , 1979										
29...	.06	--	.040	--	--	--	--	--	--	--
MAR										
22...	.01	.01	.070	--	--	--	--	--	--	--
JUL										
17...	.17	.33	.050	--	20	0	19	7.3	.3	.9
OCT										
10...	.15	.25	.130	--	--	--	--	--	--	--
NOV										
14...	.16	.17	.060	--	--	--	--	--	--	--
DEC										
18...	.12	.15	.060	--	--	--	--	--	--	--
JAN , 1980										
30...	.13	.18	.050	--	--	--	--	--	--	1.2
FEB										
20...	.15	.33	.030	.8	--	--	23	8.9	.2	1.1
MAR										
11...	.12	.19	.100	--	--	--	--	--	--	--
APR										
29...	.15	.24	.030	--	--	--	--	--	--	--
JUN										
19...	.17	.19	.040	--	--	--	--	--	--	--
AUG										
05...	.11	.14	.090	2.8	--	--	34	13	.4	1.2
SEP										
11...	.12	--	.020	--	--	--	--	--	--	--
OCT										
15...	--	--	.020	--	--	--	--	--	--	--
NOV										
12...	--	--	.080	--	--	--	--	--	--	--
DEC										
02...	.14	.22	.070	3.2	--	--	60	14	6.0	1.1
JAN , 1981										
06...	.12	.12	.070	--	--	--	--	--	--	--
FEB										
02...	.26	.30	.090	--	--	--	--	--	--	--
MAR										
10...	.11	.16	--	--	--	--	--	--	--	--

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	CAR-BONATE IT-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEV-ATION ABOVE NGVD (FEET)
SEP , 1978										
14...	--	--	--	2.5	--	--	--	--	18.60	22.07
DEC										
26...	.1	--	--	1.8	<.1	.6	4.2	29	21.96	18.68
JAN , 1979										
29...	--	--	--	1.7	--	--	--	--	19.50	21.15
MAR										
22...	--	--	--	1.6	--	--	--	--	17.28	23.36
JUL										
17...	.2	--	--	2.2	<.1	.5	3.7	33	16.63	24.01
OCT										
10...	--	--	--	1.7	--	--	--	--	14.19	26.45
NOV										
14...	--	--	--	1.8	--	--	--	--	16.49	24.15
DEC										
18...	--	--	--	1.6	--	--	--	--	17.70	22.94
JAN , 1980										
30...	--	--	--	2.0	--	--	--	--	18.70	21.89
FEB										
20...	.1	18	.00	1.4	.1	.4	--	--	19.05	21.59
MAR										
11...	--	23	.00	1.6	--	--	--	--	18.64	22.00
APR										
29...	--	23	.00	2.0	--	--	--	--	14.91	25.73
JUN										
19...	--	--	--	2.0	--	--	--	--	17.25	23.39
AUG										
05...	.2	23	.00	1.8	.0	.7	--	--	16.60	24.01
SEP										
11...	--	28	.00	1.6	--	--	--	--	13.10	22.58
OCT										
15...	--	31	.00	1.7	--	--	--	--	19.41	21.23
NOV										
12...	--	--	--	1.8	--	--	--	--	20.15	20.49
DEC										
02...	.6	42	.00	1.9	.1	1.6	--	--	20.48	20.16
JAN , 1981										
06...	--	--	--	1.9	--	--	--	--	21.14	19.50
FEB										
02...	--	--	--	2.0	--	--	--	--	21.61	19.03
MAR										
10...	--	--	--	1.8	--	--	--	--	17.63	23.01

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 33--Continued

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
APR , 1981									
30...	1318	13	5.0	20.5	70	7.1	.030	.32	.000
JUN									
26...	0945	--	--	--	--	--	.000	.03	.000
30...	0945	10	9.7	21.3	89	6.9	.000	.03	.000

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
APR , 1981									
30...	.17	.35	.17	.52	.100	<.1	33	12	.7
JUN									
26...	.15	.03	.15	.18	.100	--	--	--	--
30...	.15	.03	.15	.18	.100	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
APR , 1981									
30...	1.4	.3	27	.00	2.6	.1	2.0	18.60	22.04
JUN									
26...	--	--	--	--	1.7	--	--	--	--
30...	--	--	--	--	1.7	--	--	21.58	19.06

Site 34

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUL , 1979				
09...	1550	57	11.40	26.11
OCT				
31...	1115	57	9.09	27.52
MAY , 1980				
12...	1125	57	9.44	28.07
NOV				
06...	1120	57	13.60	23.91
MAY , 1981				
11...	1440	57	12.67	24.89

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 35

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
JUN , 1978										
19...	1350	194	30	10	21.5	125	6.4	.020	.00	<.010
SEP										
12...	1220	194	53	8.6	21.5	150	8.2	.040	.10	<.010
MAY , 1980										
12...	1150	194	--	--	--	--	--	--	--	--
NOV										
21...	1400	194	--	--	--	--	--	--	--	--
MAY , 1981										
12...	1300	194	--	--	--	--	--	--	--	--

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	ELEVATION ABOVE NGVD (FEET)
JUN , 1978									
19...	.01	.02	.01	.03	.010	1.4	2.8	--	--
SEP									
12...	.00	.14	<.10	.14	.010	1.4	2.6	--	--
MAY , 1980									
12...	--	--	--	--	--	--	--	41.45	25.72
NOV									
21...	--	--	--	--	--	--	--	46.68	20.50
MAY , 1981									
12...	--	--	--	--	--	--	--	45.43	21.75

Site 36

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
SEP , 1972										
19...	--	--	--	--	335	7.4	--	--	--	--
MAR , 1973										
15...	--	--	--	--	310	--	--	--	--	--
APR , 1975										
18...	0930	--	--	13.0	280	7.2	.040	.09	.010	.00
JUN										
30...	1030	--	--	24.0	330	--	.090	.09	<.010	.00
JUN , 1978										
06...	1140	90	6.7	21.0	335	7.3	<.010	.03	.010	.09
SEP										
25...	1125	20	10	21.0	320	7.3	.010	.09	.010	.04

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972									
19...	--	--	--	--	164	--	200	0	7.5
MAR , 1973									
15...	--	--	--	--	164	--	200	0	7.0
APR , 1975									
18...	.13	.01	.14	.080	148	--	180	0	5.6
JUN									
30...	.18	<.10	.18	.020	--	--	--	--	7.0
JUN , 1978									
06...	.03	.10	.13	.010	--	6.4	--	--	9.8
SEP									
25...	.10	.05	.15	.020	--	6.0	--	--	10

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 37

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
SEP , 1972										
18...	--	--	--	--	220	7.6	--	--	--	--
MAR , 1973										
15...	--	--	--	--	220	8.1	--	--	--	--
APR , 1975										
18...	1030	--	--	18.5	240	7.3	.010	.02	.010	1.1
JUN										
30...	1000	--	--	21.5	229	--	.010	.06	<.010	.46
JAN , 1976										
07...	1430	--	--	19.0	236	7.4	.020	.00	.010	.82
JUN , 1978										
06...	1005	23	4.6	20.0	215	7.5	<.010	.03	<.010	.63
SEP										
25...	1210	21	--	20.0	220	7.4	<.010	.02	<.010	.59

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972									
18...	--	--	--	--	107	--	130	0	5.0
MAR , 1973									
15...	--	--	--	--	115	--	140	0	5.0
APR , 1975									
18...	.03	1.1	1.1	.020	115	--	140	0	5.8
JUN									
30...	.07	.46	.53	.020	--	--	--	--	6.5
JAN , 1976									
07...	.02	.83	.85	.090	107	4.5	130	0	6.2
JUN , 1978									
06...	.03	.63	.66	.020	--	3.8	--	--	5.5
SEP									
25...	.02	.59	.61	.020	--	3.3	--	--	5.4

Site 38

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUN , 1978								
22...	1435	20	7.5	21.0	350	7.2	<.010	.00
SEP								
20...	1235	15	10	21.0	352	7.2	<.010	.00

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1978								
22...	<.010	.24	.00	.24	.24	.020	7.5	16
SEP								
20...	<.010	.25	<.10	.25	.25	.020	8.0	15

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 39

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1972									
20...	--	--	480	7.2	--	--	--	--	--
MAR , 1973									
15...	--	--	453	7.7	--	--	--	--	--
JUN , 1975									
30...	1100	21.5	--	--	.170	.07	<.010	.04	.24
JAN , 1976									
08...	1445	21.0	361	6.9	.080	.24	.010	.10	.32
MAY									
13...	1440	--	256	--	.010	.00	<.010	.35	.01

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972								
20...	--	--	--	213	--	260	--	24
MAR , 1973								
15...	--	--	--	221	--	270	--	25
JUN , 1975								
30...	.04	.28	.030	--	--	--	--	20
JAN , 1976								
08...	.11	.43	.100	164	8.0	200	0	18
MAY								
13...	.35	.36	.040	--	3.0	--	--	5.5

Site 40

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUN , 1978								
20...	1100	22	7.1	20.0	118	7.0	<.010	.00
SEP								
20...	1200	19	7.0	20.0	99	6.9	<.010	.00
AUG , 1979								
14...	1445	14	5.6	20.5	70	6.7	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1978								
20...	<.010	.06	<.10	.06	.06	.010	2.1	4.5
SEP								
20...	<.010	.07	<.10	.07	.07	.010	2.1	5.4
AUG , 1979								
14...	<.010	.05	--	.05	--	--	--	4.0

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 41

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1972									
23...	--	--	160	8.1	--	--	--	--	--
MAR , 1973									
15...	--	--	198	7.6	--	--	--	--	--
APR , 1975									
22...	1500	22.0	220	7.5	.010	.02	<.010	.95	.03
JUN									
30...	1145	22.0	277	--	.010	.02	<.010	.30	.03
OCT									
15...	1215	23.5	170	--	.020	.05	<.010	1.5	.07
JAN , 1976									
09...	0930	22.0	205	8.1	.020	.00	.010	1.2	.02
MAY									
13...	1320	22.5	212	--	.010	.00	<.010	.94	.01
SEP									
13...	1300	22.0	165	--	.010	.00	<.010	1.1	.01

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972								
23...	--	--	--	66	--	80	0	3.5
MAR , 1973								
15...	--	--	--	98	--	120	0	5.0
APR , 1975								
22...	.95	.98	.020	90	--	110	0	3.5
JUN								
30...	.30	.33	.040	--	--	--	--	4.0
OCT								
15...	1.5	1.6	.020	--	2.2	--	--	5.3
JAN , 1976								
09...	1.2	1.2	.020	107	2.6	130	0	4.4
MAY								
13...	.94	.95	.020	--	3.3	--	--	4.9
SEP								
13...	1.1	1.1	.030	--	2.3	--	--	3.2

Site 42

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
SEP , 1972										
23...	--	--	--	--	255	7.8	--	--	--	--
MAR , 1973										
15...	--	--	--	--	235	8.0	--	--	--	--
APR , 1975										
22...	1400	--	--	21.5	300	7.4	.010	.02	<.010	.46
JUN										
30...	1230	--	--	22.5	--	--	.020	.03	<.010	.47
OCT										
15...	1300	--	--	22.5	262	--	.020	.00	<.010	.33
JAN , 1976										
07...	1400	--	--	22.0	274	7.6	.020	.00	.010	.49
MAY										
13...	1350	--	--	22.5	277	--	.010	.00	<.010	.44
SEP										
13...	1330	--	--	22.5	266	--	.010	.00	<.010	.42
JUN , 1978										
22...	1005	18	7.9	21.5	282	7.7	.020	.00	<.010	.42
SEP										
20...	1105	19	8.6	--	277	7.7	<.010	.00	<.010	.54

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 42--Continued

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972									
23...	--	--	--	--	123	--	150	--	5.0
MAR , 1973									
15...	--	--	--	--	123	--	150	--	5.0
APR , 1975									
22...	.03	.46	.49	.040	--	--	--	--	4.4
JUN									
30...	.05	.47	.52	.040	--	--	--	--	5.5
OCT									
15...	.02	.33	.35	.040	--	3.1	--	--	6.2
JAN , 1976									
07...	.02	.50	.52	.030	131	3.3	160	0	5.4
MAY									
13...	.01	.44	.45	.040	--	3.5	--	--	5.5
SEP									
13...	.01	.42	.43	.040	--	3.0	--	--	5.0
JUN , 1978									
22...	.02	.42	.44	.050	--	3.0	--	--	5.2
SEP									
20...	<.10	.54	.54	.040	--	3.1	--	--	5.4

Site 43

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1972									
21...	--	--	128	8.3	--	--	--	--	--
MAR , 1973									
15...	--	--	100	8.1	--	--	--	--	--
APR , 1975									
22...	1600	21.0	230	7.7	.010	.00	.010	.10	.01
JUN									
30...	1430	--	163	--	.010	.04	<.010	.42	.05
JAN , 1976									
07...	1300	21.0	166	7.9	.010	.04	.010	.39	.05

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972								
21...	--	--	--	61	--	74	--	3.5
MAR , 1973								
15...	--	--	--	59	--	72	--	3.0
APR , 1975								
22...	.11	.12	.030	107	--	130	--	4.5
JUN								
30...	.42	.47	.020	--	--	--	--	3.0
JAN , 1976								
07...	.40	.45	.020	76	2.3	93	0	3.5

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 44

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1972									
23...	--	--	240	8.0	--	--	--	--	--
MAR , 1973									
15...	--	--	212	8.0	--	--	--	--	--
APR , 1975									
22...	1300	21.5	250	7.6	.010	.04	.020	.04	.05
JUN									
30...	1300	22.5	249	--	.010	.01	.010	.05	.02
JAN , 1976									
08...	1400	22.0	244	7.6	.020	.00	.020	.10	.02
MAY									
13...	1400	--	242	--	.020	.00	<.010	.00	.02
SEP									
13...	1400	22.0	243	--	.010	.00	<.010	.00	.01

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972								
23...	--	--	--	115	--	140	0	4.5
MAR , 1973								
15...	--	--	--	115	--	140	0	4.0
APR , 1975								
22...	.06	.11	.030	115	--	140	0	3.7
JUN								
30...	.06	.08	.030	--	--	--	--	4.5
JAN , 1976								
08...	.12	.14	.030	115	3.0	140	0	4.4
MAY								
13...	<.10	.02	.050	--	3.1	--	--	7.6
SEP								
13...	<.10	.01	.040	--	2.8	--	--	4.7

Site 45

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
SEP , 1972									
21...	--	--	--	--	130	8.2	--	--	--
MAR , 1973									
15...	--	--	--	--	120	7.6	--	--	--
JUN , 1975									
30...	1130	--	--	23.0	--	--	.010	.04	<.010
MAY , 1976									
13...	1540	--	--	25.5	141	--	.010	.00	<.010
SEP									
13...	1430	--	--	23.0	142	--	.010	.00	<.010
JUN , 1978									
22...	1345	23	5.5	22.5	153	8.1	.100	.00	<.010
SEP									
18...	1305	28	6.4	22.0	154	8.1	<.010	.02	<.010

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1972									
21...	--	--	--	--	--	57	--	70	5.0
MAR , 1973									
15...	--	--	--	--	--	56	--	68	2.0
JUN , 1975									
30...	.79	.05	.79	.84	.010	--	--	--	3.0
MAY , 1976									
13...	1.3	.01	1.3	1.3	.020	--	2.2	--	4.0
SEP									
13...	1.3	.01	1.3	1.3	.020	--	2.4	--	3.9
JUN , 1978									
22...	1.3	.10	1.3	1.4	.020	--	2.0	--	4.1
SEP									
18...	1.2	.02	1.2	1.2	.010	--	2.1	--	5.2

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 46

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAY , 1976												
13...	1500	168	.010	.00	<.010	1.8	.01	1.8	1.8	.020	8.7	8.4

Site 47

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
MAY , 1976								
13...	1620	--	--	21.5	525	--	.020	.13
SEP								
13...	1500	--	--	22.5	520	--	.070	.13
JUN , 1978								
22...	1200	22	7.9	20.5	510	7.0	.070	.00
SEP								
18...	1350	27	7.5	20.5	500	7.0	.100	.04

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAY , 1976								
13...	<.010	.00	.15	<.10	.15	.010	12	23
SEP								
13...	.010	.00	.20	.01	.21	.010	12	21
JUN , 1978								
22...	.010	.00	.07	.01	.08	.040	10	20
SEP								
18...	<.010	.00	.14	<.10	.14	.030	11	20

Site 48

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
MAR , 1973								
15...	--	--	160	8.3	--	--	--	--
JUN , 1975								
27...	1200	22.0	--	--	.020	.02	<.010	.51
SEP , 1976								
13...	1530	22.5	184	--	.010	.00	<.010	.81

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAR , 1973								
15...	--	--	--	--	85	--	104	4.0
JUN , 1975								
27...	.04	.51	.55	.010	--	--	--	5.6
SEP , 1976								
13...	.01	.81	.82	.030	--	3.3	--	5.6

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 49

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
SEP , 1978								
18...	1440	15	8.1	20.5	407	7.1	1.30	.00
AUG , 1979								
14...	1405	17	14	21.0	410	7.0	1.10	.27
FEB , 1980								
29...	1010	13	11	20.0	422	7.2	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
SEP , 1978								
18...	<.010	.11	1.30	.11	1.4	.020	9.3	16
AUG , 1979								
14...	<.010	.04	1.37	.04	1.4	.020	7.5	18
FEB , 1980								
29...	.000	.02	--	.02	--	--	--	20

Site 50

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
MAR , 1973									
15...	--	--	--	--	140	8.0	--	--	--
SEP , 1976									
16...	1000	--	--	21.5	169	--	<.010	.00	.010
JUN , 1978									
21...	0940	25	3.8	21.5	160	8.0	<.010	.00	<.010
SEP									
20...	0930	--	--	21.5	160	8.0	.010	.00	<.010

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAR , 1973									
15...	--	--	--	--	--	66	--	80	5.0
SEP , 1976									
16...	.67	<.10	.68	.68	.010	--	4.7	--	5.4
JUN , 1978									
21...	.59	<.10	.59	.59	.010	--	3.4	--	4.0
SEP									
20...	.58	.01	.58	.59	<.010	--	3.8	--	4.5

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 51

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
JAN , 1976										
08...	1525	--	--	21.5	585	7.0	.020	.13	.010	.10
SEP										
15...	1100	--	--	22.0	497	--	.010	.00	<.010	.01
JUN , 1978										
20...	1350	28	4.0	20.5	503	6.9	.010	.00	<.010	.16
SEP										
20...	0750	28	6.0	21.0	497	6.9	.030	.01	.010	.14

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN , 1976									
08...	.15	.11	.26	.010	303	4.6	370	0	14
SEP									
15...	.01	.01	.02	.010	--	3.9	--	--	12
JUN , 1978									
20...	.01	.16	.17	.010	--	2.3	--	--	6.9
SEP									
20...	.04	.15	.19	.020	--	2.3	--	--	6.8

Site 52

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
MAR , 1973									
15...	--	--	140	8.0	--	--	--	--	--
APR , 1975									
18...	1425	22.0	270	6.9	.010	.02	.010	.04	.03
JUN									
27...	1300	21.5	254	--	.010	.03	<.010	.01	.04
JAN , 1976									
08...	1600	22.5	243	7.3	.020	.00	.010	.11	.02
SEP									
16...	1100	21.5	250	--	.010	.04	<.010	.02	.05

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAR , 1973								
15...	--	--	--	71	--	87	0	5.0
APR , 1975								
18...	.05	.08	.010	115	--	140	0	4.4
JUN								
27...	.01	.05	.010	--	--	--	--	4.0
JAN , 1976								
08...	.12	.14	.010	123	5.1	150	0	5.5
SEP								
16...	.02	.07	.020	--	3.8	--	--	5.0

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 53

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
MAR , 1973										
15...	--	--	--	--	175	8.0	--	--	--	--
APR , 1975										
18...	1500	--	--	21.5	200	7.6	.010	.01	<.010	7.0
JUN										
27...	1400	--	--	22.5	203	--	.020	.00	<.010	5.9
OCT										
15...	1500	--	--	22.0	196	--	.020	.01	<.010	7.2
JAN , 1976										
07...	1100	--	--	21.0	202	7.8	.020	.00	.010	10
SEP										
15...	1425	--	--	22.0	194	--	.010	.00	<.010	7.4
OCT										
20...	1300	--	--	--	197	--	.010	.00	<.010	8.6
JUN , 1978										
21...	1030	23	4.0	22.5	195	7.9	.010	.00	<.010	9.0
SEP										
20...	1005	19	4.0	--	193	8.0	<.010	.02	<.010	8.5

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALKALINITY FIELD (MG/L AS CACO3)	SODIUM, DISSOLVED (MG/L AS NA)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAR , 1973									
15...	--	--	--	--	49	--	60	0	5.0
APR , 1975									
18...	.02	7.0	7.0	.080	57	--	70	0	8.4
JUN									
27...	.02	5.9	5.9	.010	--	--	--	--	8.1
OCT									
15...	.03	7.2	7.2	.020	--	5.8	--	--	9.8
JAN , 1976									
07...	.02	10	10	<.010	51	6.0	62	0	8.2
SEP									
15...	.01	7.4	7.4	.010	--	5.7	--	--	7.9
OCT									
20...	.01	8.6	8.6	.010	--	5.4	--	--	7.6
JUN , 1978									
21...	.01	9.0	9.0	.010	--	4.8	--	--	7.0
SEP									
20...	.02	8.5	8.5	<.010	--	5.1	--	--	7.6

Site 54

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
MAR , 1972												
21...	1500	20.0	200	7.0	--	--	--	--	.000	.000	.03	.03
JAN , 1973												
21...	0800	--	180	7.4	--	.030	--	.24	--	.005	--	.01
APR												
25...	0800	21.0	190	7.7	--	.020	--	.29	--	.005	--	.08
JUN												
27...	1500	--	189	7.5	--	.020	--	.39	--	.009	--	.05
SEP												
28...	1500	23.0	--	7.7	--	--	--	--	--	--	--	--
DEC												
21...	1330	21.0	205	8.0	.020	--	.15	--	<.010	--	.00	--
APR , 1974												
04...	1300	21.0	195	7.7	.030	--	.35	--	<.010	--	.03	--
JUN												
26...	1500	21.0	--	--	.040	--	.07	--	.010	--	.10	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 54--Continued

DATE	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	CARBON, INOR-GANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)
MAR , 1972											
21...	--	--	--	--	--	--	--	--	74	13	87
JAN , 1973											
21...	--	--	.017	.4	--	14	6.0	20	68	11	79
APR											
25...	--	--	.018	.3	31	14	6.0	20	72	16	88
JUN											
27...	--	--	.023	1.2	17	13	8.0	21	68	16	84
SEP											
28...	--	--	--	--	14	--	--	--	82	--	--
DEC											
21...	.025	.025	--	.6	18	20	10	30	75	7	83
APR , 1974											
04...	.010	.020	--	.7	17	19	7.0	26	75	--	--
JUN											
26...	.020	.020	--	.4	5	20	3.0	23	--	--	100

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
MAR , 1972											
21...	25	5.8	5.3	--	90	0	9.0	.2	12	6.0	122
JAN , 1973											
21...	23	5.1	4.4	.4	83	0	8.0	.2	12	7.2	115
APR											
25...	26	5.6	4.9	.4	88	0	7.9	.2	13	5.8	127
JUN											
27...	25	5.3	4.9	.5	83	0	7.5	.3	12	7.0	126
SEP											
28...	--	--	--	--	100	0	--	--	--	--	--
DEC											
21...	24	5.6	5.0	.7	93	0	5.5	--	--	--	--
APR , 1974											
04...	--	--	--	--	91	0	--	--	--	--	--
JUN											
26...	30	7.2	5.0	.4	--	--	8.5	.2	13	--	130

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	BORON, TOTAL RECOV-ERABLE (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
JAN , 1973									
21...	0800	--	--	10	--	40	ND	--	0
APR									
25...	0800	--	--	8	--	<20	ND	--	0
JUN									
27...	1500	220	9	14	--	22	--	<2	0
DEC									
21...	1330	--	7	--	--	--	--	--	--
JUN , 1974									
26...	1500	--	<1	--	<20	--	--	ND	0

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 54--Continued

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)
JAN , 1973									
21...	--	--	ND	--	60	--	ND	--	--
APR									
25...	--	--	ND	--	50	--	<2	--	--
JUN									
27...	<20	ND	--	20	--	160	--	4	<10
DEC									
21...	--	--	<2	--	50	--	5	--	--
JUN , 1974									
26...	--	--	<2	--	50	--	ND	--	--

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JAN , 1973									
21...	--	<10	<.5	--	--	--	180	<20	--
APR									
25...	--	<10	<.5	--	ND	--	130	40	--
JUN									
27...	<10	--	<.5	2	--	4	120	--	80
DEC									
21...	--	14	--	--	--	--	--	8	--
JUN , 1974									
26...	--	<10	<.5	--	--	--	--	3	--

Site 55

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
MAR , 1972										
21...	1600	20.0	155	7.4	--	--	--	--	--	.003
JAN , 1973										
21...	1000	--	180	7.4	--	.030	--	.52	--	.003
APR										
25...	1000	21.0	189	7.5	--	.020	--	.28	--	.002
JUN										
27...	1300	--	188	7.5	--	.010	--	.24	--	.007
SEP										
28...	1400	--	205	7.2	--	.020	--	.32	--	.005
DEC										
21...	1430	21.0	209	7.6	.020	--	.19	--	<.010	--
APR , 1974										
04...	1200	21.0	197	7.7	.010	--	--	--	<.010	--
JUN										
26...	1400	21.0	--	--	.020	--	.03	--	.010	--
AUG										
28...	1200	21.5	200	7.1	--	.020	--	.32	--	.010
JAN , 1975										
16...	1200	19.0	130	7.1	.020	--	.23	--	.010	--
APR										
18...	1330	20.0	100	6.8	--	.050	--	.35	--	.020
JUL										
02...	1330	21.0	200	7.4	--	.020	--	.08	--	.010
OCT										
15...	1430	21.0	189	--	--	.030	--	.14	--	<.010
JAN , 1976										
22...	1430	21.0	175	7.4	--	.020	--	.09	--	.020
SEP										
15...	1330	22.0	180	--	--	.020	--	.40	--	.010
JUN , 1977										
09...	1300	--	216	7.8	--	<.010	--	.01	--	.010

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 55--Continued

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
MAR , 1972									
21...	--	.04	--	--	--	--	--	--	--
JAN , 1973									
21...	--	.03	--	--	--	--	--	.012	.5
APR									
25...	--	.06	--	--	--	--	--	.015	.3
JUN									
27...	--	.07	--	--	--	--	--	.045	.7
SEP									
28...	--	.05	--	--	--	--	--	.240	.4
DEC									
21...	.03	--	--	--	--	.025	.027	--	.9
APR , 1974									
04...	.04	--	--	--	--	.020	.020	--	.4
JUN									
26...	.10	--	--	--	--	.020	.050	--	.8
AUG									
28...	--	.09	.34	.10	.44	--	--	.060	.3
JAN , 1975									
16...	.03	--	--	--	--	.010	.020	--	.6
APR									
18...	--	.03	.40	.05	.45	--	--	.020	--
JUL									
02...	--	.07	.10	.08	.18	--	--	.020	.0
OCT									
15...	--	.07	.17	.07	.24	--	--	.030	--
JAN , 1976									
22...	--	.10	.11	.12	.23	--	--	.020	--
SEP									
15...	--	.05	.42	.06	.48	--	--	.020	--
JUN , 1977									
08...	--	.05	.01	.06	.07	--	--	.020	.0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	CARBON, INOR-GANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKA-LINITY FIELD (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
MAR , 1972									
21...	--	--	--	--	74	13	87	25	--
JAN , 1973									
21...	--	14	6.0	20	68	10	79	23	5.1
APR									
25...	29	15	4.0	19	72	16	88	26	5.6
JUN									
27...	16	13	10	23	74	11	84	25	5.3
SEP									
28...	16	20	2.0	22	82	--	--	--	6.3
DEC									
21...	14	20	8.0	28	77	13	90	23	8.0
APR , 1974									
04...	16	18	7.0	25	73	12	85	25	5.5
JUN									
26...	7	20	5.0	25	--	--	100	30	7.2
AUG									
28...	18	18	8.0	26	69	14	83	24	5.6
JAN , 1975									
16...	42	13	14	27	56	18	73	22	4.5
APR									
18...	--	8.0	19	27	53	--	--	--	--
JUL									
02...	--	20	3.0	23	80	13	92	27	6.0
OCT									
15...	--	--	--	--	--	--	--	--	--
JAN , 1976									
22...	--	--	--	--	72	--	--	--	--
SEP									
15...	--	--	--	--	--	--	--	--	--
JUN , 1977									
08...	4	--	26	--	69	11	100	29	7.2

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 55--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DIS-SOLVEE (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
MAR , 1972									
21...	4.8	.6	90	0	8.0	.2	12	6.1	121
JAN , 1973									
21...	4.5	.4	83	0	8.0	.2	12	7.2	129
APR									
25...	4.6	.4	88	0	7.7	.3	11	5.7	123
JUN									
27...	4.7	.5	90	0	6.0	.3	12	7.0	132
SEP									
28...	5.0	.4	100	--	9.0	--	--	6.7	--
DEC									
21...	5.0	.7	94	0	7.5	--	--	--	--
APR , 1974									
04...	5.3	.9	89	0	7.8	--	--	--	--
JUN									
26...	5.1	.4	--	--	8.7	.2	13	--	146
AUG									
28...	5.0	.3	84	--	6.8	--	--	--	--
JAN , 1975									
16...	4.1	.2	68	0	6.8	.3	9.9	6.7	93
APR									
18...	--	--	40	0	5.6	--	--	--	--
JUL									
02...	4.9	.5	97	0	7.2	.1	12	6.6	130
OCT									
15...	4.7	--	--	--	8.5	--	--	--	--
JAN , 1976									
22...	4.3	--	88	0	8.4	--	--	--	--
SEP									
15...	4.2	--	--	--	7.3	--	--	--	--
JUN , 1977									
08...	6.2	.7	108	0	9.0	.4	14	6.7	134

DATE	TIME	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BORON, DIS-SOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
JAN , 1973										
21...	1000	--	--	--	10	--	--	<20	ND	--
APR										
25...	1000	--	--	--	8	--	--	<20	ND	--
JUN										
27...	1300	--	220	13	13	--	--	22	--	<2
SEP										
28...	1400	--	--	--	--	--	--	15	--	--
DEC										
21...	1430	--	--	6	--	--	--	--	--	--
APR , 1974										
04...	1200	--	--	2	--	--	<20	--	--	ND
JUN										
26...	1400	--	--	<1	--	--	<20	--	--	<2
AUG										
28...	1200	--	--	--	--	--	<20	--	--	--
JAN , 1975										
16...	1200	200	--	1	--	--	100	--	ND	--
JUL										
02...	1330	60	--	<1	--	--	--	--	ND	--
JUN , 1977										
08...	1300	--	--	--	2	<100	--	--	--	ND

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 55--Continued

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
JAN , 1973										
21...	--	0	--	--	--	ND	--	80	--	ND
APR										
25...	--	0	--	--	--	ND	--	60	--	<2
JUN										
27...	--	0	ND	--	ND	--	<20	--	140	--
SEP										
28...	--	--	--	--	--	--	--	--	--	--
DEC										
21...	--	--	--	--	--	<2	--	<10	--	8
APR , 1974										
04...	--	--	--	--	--	2	--	40	--	8
JUN										
26...	--	0	--	--	--	<2	--	190	--	ND
AUG										
28...	--	--	--	--	--	--	--	--	--	--
JAN , 1975										
16...	ND	0	--	ND	--	ND	--	170	--	2
JUL										
02...	ND	0	--	ND	--	<2	--	40	--	ND
JUN , 1977										
08...	--	--	<20	--	--	--	5	--	<10	--

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)
JAN , 1973									
21...	--	--	--	--	<10	--	<.5	--	--
APR									
25...	--	--	--	--	<10	--	<.5	--	--
JUN									
27...	2	--	<10	<10	--	--	<.5	--	1
SEP									
28...	--	--	--	--	--	--	--	--	--
DEC									
21...	--	--	--	--	14	--	--	--	--
APR , 1974									
04...	--	--	--	--	<10	--	<.5	--	--
JUN									
26...	--	--	--	--	17	--	<.5	--	--
AUG									
28...	--	--	--	--	--	--	--	--	--
JAN , 1975									
16...	--	<10	--	--	<10	<.5	--	<1	--
JUL									
02...	--	<10	--	--	<10	<.5	--	2	--
JUN , 1977									
08...	10	--	--	<10	--	--	<.5	--	--

DATE	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JAN , 1973									
21...	--	--	--	--	--	60	--	40	--
APR									
25...	ND	--	--	--	--	140	--	ND	--
JUN									
27...	--	4	--	--	--	140	--	--	<20
SEP									
28...	--	--	--	--	--	--	--	--	--
DEC									
21...	--	--	--	--	--	--	--	ND	--
APR , 1974									
04...	--	--	--	--	--	--	--	40	--
JUN									
26...	--	--	--	--	--	--	--	ND	--
AUG									
28...	--	--	--	--	--	--	--	--	--
JAN , 1975									
16...	ND	--	--	--	--	--	6.0	20	--
JUL									
02...	ND	--	<1	--	--	170	1.3	<20	--
JUN , 1977									
08...	--	--	--	<1	ND	390	--	--	20

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 56

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
MAR , 1972												
21...	1500	20.0	200	7.0	--	--	--	--	.000	.000	.03	.03
JAN , 1973												
21...	0800	--	180	7.4	--	.030	--	.24	--	.005	--	.01
APR												
25...	0800	21.0	190	7.7	--	.020	--	.29	--	.005	--	.08
JUN												
27...	1500	--	189	7.5	--	.020	--	.39	--	.009	--	.05
SEP												
28...	1500	23.0	--	7.7	--	--	--	--	--	--	--	--
DEC												
21...	1330	21.0	205	8.0	.020	--	.15	--	<.010	--	.00	--
APR , 1974												
04...	1300	21.0	195	7.7	.030	--	.35	--	<.010	--	.03	--
JUN												
26...	1500	21.0	--	--	.040	--	.07	--	.010	--	.10	--

DATE	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)
MAR , 1972											
21...	--	--	--	--	--	--	--	--	74	13	87
JAN , 1973											
21...	--	--	.017	.4	--	14	6.0	20	68	11	79
APR											
25...	--	--	.018	.3	31	14	6.0	20	72	16	88
JUN											
27...	--	--	.023	1.2	17	13	8.0	21	68	16	84
SEP											
28...	--	--	--	--	14	--	--	--	82	--	--
DEC											
21...	.025	.025	--	.6	18	20	10	30	76	7	83
APR , 1974											
04...	.010	.020	--	.7	17	19	7.0	26	75	--	--
JUN											
26...	.020	.020	--	.4	5	20	3.0	23	--	--	100

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
MAR , 1972											
21...	25	5.8	5.3	--	90	0	9.0	.2	12	6.0	122
JAN , 1973											
21...	23	5.1	4.4	.4	83	0	8.0	.2	12	7.2	115
APR											
25...	26	5.6	4.9	.4	88	0	7.9	.2	13	5.8	127
JUN											
27...	25	5.3	4.9	.5	83	0	7.5	.3	12	7.0	126
SEP											
28...	--	--	--	--	100	0	--	--	--	--	--
DEC											
21...	24	5.6	5.0	.7	93	0	5.5	--	--	--	--
APR , 1974											
04...	--	--	--	--	91	0	--	--	--	--	--
JUN											
26...	30	7.2	5.0	.4	--	--	8.5	.2	13	--	130

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
JAN , 1973									
21...	0800	--	--	10	--	40	ND	--	0
APR									
25...	0800	--	--	8	--	<20	ND	--	0
JUN									
27...	1500	220	9	14	--	22	--	<2	0
DEC									
21...	1330	--	7	--	--	--	--	--	--
JUN , 1974									
26...	1500	--	<1	--	<20	--	--	ND	0

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 56--Continued

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)
JAN , 1973									
21...	--	--	ND	--	80	--	ND	--	--
APR									
25...	--	--	ND	--	50	--	<2	--	--
JUN									
27...	<20	ND	--	20	--	160	--	4	<10
DEC									
21...	--	--	<2	--	50	--	5	--	--
JUN , 1974									
26...	--	--	<2	--	50	--	ND	--	--

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JAN , 1973									
21...	--	<10	<.5	--	--	--	180	<20	--
APR									
25...	--	<10	<.5	--	ND	--	130	40	--
JUN									
27...	<10	--	<.5	2	--	4	120	--	80
DEC									
21...	--	14	--	--	--	--	--	8	--
JUN , 1974									
26...	--	<10	<.5	--	--	--	--	3	--

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT , 1975									
16...	1410	--	--	22.0	--	--	.020	.00	<.010
SEP , 1976									
15...	1230	--	--	21.0	230	--	.010	.00	<.010
JUN , 1978									
21...	1135	29	7.5	21.0	222	8.0	.020	.00	<.010
SEP									
20...	0845	24	8.3	20.5	222	7.8	<.010	.00	<.010
MAY , 1980									
08...	1530	--	--	--	--	--	--	--	--

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT , 1975								
16...	.56	.02	.56	.58	.020	2.1	4.5	--
SEP , 1976								
15...	.94	.01	.94	.95	.010	2.1	3.6	--
JUN , 1978								
21...	.36	.02	.36	.38	.010	1.8	3.3	--
SEP								
20...	.44	<.10	.44	.44	.010	2.0	3.5	--
MAY , 1980								
08...	--	--	--	--	--	--	--	16.03

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 57

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
MAR , 1972										
16...	1530	21.0	280	8.1	--	--	--	--	--	.002
APR										
25...	0930	20.5	279	7.3	--	.000	--	.14	--	.000
SEP										
21...	1500	21.0	270	8.3	--	.120	--	.30	--	.004
JAN , 1973										
21...	0900	--	260	7.9	--	.020	--	.40	--	.002
APR										
25...	0900	21.0	255	8.0	--	.010	--	.55	--	.002
JUN										
25...	1500	22.0	263	7.5	--	.010	--	.06	--	.003
27...	1400	--	265	7.8	--	.010	--	.26	--	.006
SEP										
28...	1300	22.0	270	7.6	--	<.010	--	.46	--	.003
NOV										
15...	1525	20.5	--	--	--	--	--	--	--	--
DEC										
21...	1230	21.0	270	8.1	.020	--	.38	--	<.010	--
FEB , 1974										
25...	1650	19.5	--	--	--	--	--	--	--	--
APR										
04...	1030	21.0	270	8.0	.040	--	.06	--	<.010	--
MAY										
09...	1015	21.0	265	7.6	--	.020	--	.21	--	.010
JUN										
26...	1300	21.0	--	--	.030	--	.00	--	.010	--
JUL										
01...	1040	21.0	--	--	--	--	--	--	--	--
AUG										
28...	1000	21.5	275	7.7	--	.010	--	.01	--	.010
SEP										
09...	1700	21.0	--	--	--	--	--	--	--	--
JAN , 1975										
16...	1100	21.0	240	7.8	--	.010	--	.00	--	.010
APR										
18...	1240	21.5	260	7.4	--	.050	--	.00	--	<.010
JUN										
02...	1330	20.5	285	7.7	--	.010	--	.00	--	<.010
OCT										
16...	1130	22.0	254	--	--	.020	--	.02	--	<.010

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
MAR , 1972									
16...	--	.33	--	--	--	--	--	--	--
APR									
25...	--	.30	--	--	--	--	--	.042	.4
SEP									
21...	--	.30	--	--	--	--	--	.042	.0
JAN , 1973									
21...	--	.23	--	--	--	--	--	.047	.2
APR									
25...	--	.10	--	--	--	--	--	.073	.2
JUN									
25...	--	.20	--	--	--	--	--	.063	.2
27...	--	.25	--	--	--	--	--	.080	--
SEP									
28...	--	.22	--	--	--	--	--	.065	.5
NOV									
15...	--	--	--	--	--	--	--	--	--
DEC									
21...	.21	--	--	--	--	.042	.048	--	.5
FEB , 1974									
25...	--	--	--	--	--	--	--	--	--
APR									
04...	.23	--	--	--	--	.050	.050	--	.2
MAY									
09...	--	.22	--	--	.46	--	--	.040	--
JUN									
26...	.31	--	--	--	--	.060	.070	--	.5
JUL									
01...	--	--	--	--	--	--	--	--	--
AUG									
28...	--	.31	.02	.32	.34	--	--	.090	.0
SEP									
09...	--	--	--	--	--	--	--	--	--
JAN , 1975									
16...	--	.28	.01	.29	.30	--	--	.050	.4
APR									
18...	--	.33	.05	.33	.38	--	--	.060	--
JUN									
02...	--	.27	.01	.27	.28	--	--	.050	--
OCT									
16...	--	.23	.04	.23	.27	--	--	.400	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 57--Continued

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
MAR , 1972									
16...	--	--	--	--	121	12	130	38	9.2
APR									
25...	--	31	.0	31	126	8	130	39	8.7
SEP									
21...	--	30	1.0	31	116	9	130	36	8.9
JAN , 1973									
21...	--	22	5.0	27	121	9	130	38	8.6
APR									
25...	15	14	6.0	20	115	11	130	38	7.6
JUN									
25...	--	20	7.0	27	116	11	130	38	8.3
27...	9	19	9.0	28	121	6	130	37	8.4
SEP									
28...	14	31	1.0	32	120	--	130	38	8.8
NOV									
15...	--	--	--	--	--	--	--	--	--
DEC									
21...	0	27	10	37	117	13	130	32	12
FEB , 1974									
25...	--	--	--	--	--	--	--	--	--
APR									
04...	4	30	.0	30	117	13	130	37	8.9
MAY									
09...	--	31	1.0	32	125	24	150	44	9.3
JUN									
26...	2	29	3.0	32	--	--	140	39	9.6
JUL									
01...	--	--	--	--	--	--	--	--	--
AUG									
28...	6	30	1.0	31	125	2	130	36	8.9
SEP									
09...	--	--	--	--	--	--	--	--	--
JAN , 1975									
16...	2	29	.0	29	118	21	140	41	8.9
APR									
18...	--	--	1.0	--	115	--	--	--	--
JUN									
02...	--	30	.0	30	127	5	130	38	9.1
OCT									
16...	--	--	--	--	--	--	--	--	--

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
MAR , 1972									
16...	4.7	.6	148	0	7.0	.2	10	11	155
APR									
25...	3.7	.3	154	0	3.4	.3	17	10	162
SEP									
21...	4.0	.5	144	0	6.6	.2	10	11	156
JAN , 1973									
21...	4.1	.6	148	0	8.0	.3	11	11	154
APR									
25...	4.3	.6	140	0	7.0	.3	10	8.2	161
JUN									
25...	4.0	.5	144	0	8.0	.4	10	12	158
27...	4.2	--	148	0	6.0	.3	9.2	10	159
SEP									
28...	3.9	.5	146	0	5.0	--	--	10	--
NOV									
15...	--	--	--	--	--	--	--	--	--
DEC									
21...	4.0	.6	143	0	4.0	--	--	--	--
FEB , 1974									
25...	--	--	--	--	--	--	--	--	--
APR									
04...	4.5	.8	143	0	6.5	--	--	--	--
MAY									
09...	3.9	.5	152	--	5.6	.2	9.8	11	160
JUN									
26...	3.7	.5	--	--	5.9	.3	9.9	--	178
JUL									
01...	--	--	--	--	--	--	--	--	--
AUG									
28...	4.0	.4	152	--	4.6	--	--	--	--
SEP									
09...	--	--	--	--	--	--	--	--	--
JAN , 1975									
16...	4.1	.5	144	0	5.6	.2	9.4	11	147
APR									
18...	--	--	140	0	5.0	--	--	--	--
JUN									
02...	4.0	.5	155	0	5.7	.1	8.3	11	148
OCT									
16...	3.6	--	--	--	6.6	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 57--Continued

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
JAN , 1976										
22...	1330	21.0	269	7.9	.010	.02	.020	.29	.03	.31
APR										
22...	1415	21.0	289	7.9	.010	.01	<.010	.26	.02	.26
SEP										
15...	1200	21.0	270	--	.010	.00	<.010	.28	.01	.28
APR , 1977										
28...	1145	21.0	290	7.4	.020	.06	<.010	.26	.08	.26

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JAN , 1976										
22...	.34	.070	--	--	--	121	12	130	38	9.3
APR										
22...	.28	.040	34	1.0	35	126	4	130	39	9.1
SEP										
15...	.29	.050	--	--	--	--	--	--	--	--
APR , 1977										
28...	.34	.040	26	.0	26	128	5	130	38	9.3

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
JAN , 1976									
22...	4.2	.6	148	0	5.4	.2	10	10	157
APR									
22...	4.0	.6	154	0	5.4	.2	7.4	11	162
SEP									
15...	3.4	--	--	--	5.3	--	--	--	--
APR , 1977									
28...	4.2	.5	156	0	5.5	.2	8.4	11	159

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	BORON, TOTAL RECOVERABLE (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
APR , 1972												
25...	0930	--	--	--	0	--	--	--	0	--	--	--
SEP												
21...	1500	--	--	--	10	--	--	--	1	--	--	0
JAN , 1973												
21...	0900	--	--	--	<1	--	<20	ND	--	--	D	--
APR												
25...	0900	--	--	--	6	--	<20	ND	--	--	D	--
JUN												
25...	1500	--	160	--	5	--	--	--	<2	--	--	--
27...	1400	--	110	5	5	--	5	--	2	--	0	2
SEP												
28...	1300	--	--	--	--	15	--	--	--	--	--	--
DEC												
21...	1230	--	--	<1	--	--	--	--	--	--	--	--
APR , 1974												
04...	1030	--	--	3	--	30	--	--	ND	--	--	--
MAY												
09...	1015	--	130	--	--	--	--	--	--	--	--	--
JUN												
26...	1300	--	--	<1	--	<20	--	--	ND	--	0	--
AUG												
28...	1000	--	--	--	--	<20	--	--	--	--	--	--
JAN , 1975												
16...	1100	9	--	1	--	50	--	ND	--	ND	D	--
JUN												
02...	1330	--	130	--	--	--	--	--	--	--	--	--
JAN , 1976												
22...	1330	--	--	--	1	--	--	--	<2	--	--	--
APR												
22...	1415	--	50	--	1	--	<20	--	ND	--	--	--
APR , 1977												
28...	1145	--	30	--	--	--	<20	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 57--Continued

DATE	COBALT, DISSOLVED (UG/L AS CO)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
APR , 1972											
25...	--	0	--	0	10	30	2	3	--	--	10
SEP											
21...	--	0	--	0	10	10	2	4	--	--	10
JAN , 1973											
21...	--	--	ND	--	<10	--	<2	--	--	--	--
APR											
25...	--	--	ND	--	30	--	<2	--	--	--	--
JUN											
25...	--	--	ND	--	<10	50	ND	--	--	--	--
27...	--	ND	--	20	--	50	--	3	--	<10	3
SEP											
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
21...	--	--	<2	--	<10	--	--	--	--	--	--
APR , 1974											
04...	--	--	<2	--	60	--	11	--	--	--	--
MAY											
09...	--	--	6	--	210	220	ND	3	--	--	40
JUN											
26...	--	--	ND	--	<10	--	ND	--	--	--	--
AUG											
28...	--	--	--	--	--	--	--	--	--	--	--
JAN , 1975											
16...	ND	--	ND	--	<10	--	<2	--	<10	--	--
JUN											
02...	--	--	ND	--	<10	20	6	6	--	--	<10
JAN , 1976											
22...	--	--	--	<2	--	<10	--	14	--	--	<10
APR											
22...	--	--	ND	--	<10	70	ND	3	--	--	<10
APR , 1977											
28...	--	--	ND	--	<10	20	7	10	--	--	<10

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
APR , 1972											
25...	--	--	.0	--	--	--	--	110	--	--	20
SEP											
21...	--	--	<.5	--	--	--	--	160	--	--	0
JAN , 1973											
21...	<10	--	<.5	--	--	--	--	150	--	<20	--
APR											
25...	<10	--	<.5	--	--	ND	--	120	--	20	--
JUN											
25...	<10	--	--	--	--	--	--	60	--	<20	--
27...	--	--	<.5	--	1	--	5	100	--	--	<20
SEP											
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
21...	14	--	--	--	--	--	--	--	--	20	--
APR , 1974											
04...	<10	--	<.5	--	--	--	--	--	--	5	--
MAY											
09...	20	--	--	--	--	--	--	140	--	50	--
JUN											
26...	<10	--	<.5	--	--	--	--	--	--	ND	--
AUG											
28...	--	--	--	--	--	--	--	--	--	--	--
JAN , 1975											
16...	<10	<.5	--	<1	--	ND	--	--	3.0	30	--
JUN											
02...	<10	--	--	--	--	--	--	140	--	30	--
JAN , 1976											
22...	--	--	<.5	--	--	--	--	140	--	--	20
APR											
22...	<10	--	--	--	--	--	ND	100	--	ND	--
APR , 1977											
28...	<10	--	--	--	--	--	--	100	--	ND	--

DATE	TIME	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
APR , 1972								
25...	0930	.00	.00	.00	.00	.00	.00	.00

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 57--Continued

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	PCB, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
APR , 1972								
25...	.00	.00	.00	0	.00	.00	.00	.00

Site 58

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT , 1975							
16...	1330	23.0	--	.020	.01	<.010	3.2
SEP , 1976							
15...	1300	22.0	417	.010	.00	<.010	--
OCT							
21...	1300	23.0	329	.010	.04	<.010	5.0

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT , 1975						
16...	.03	3.2	3.2	.020	2.1	7.2
SEP , 1976						
15...	.01	--	--	.060	2.5	9.4
OCT						
21...	.05	5.0	5.1	.010	2.2	6.0

Site 59

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUN , 1978								
21...	1125	14	6.7	22.0	398	7.1	.080	.00
SEP								
18...	0920	29	6.4	22.0	395	7.2	.100	.04

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1978								
21...	<.010	.01	.08	.01	.09	.120	2.0	4.9
SEP								
18...	<.010	.00	.14	<.10	.14	.120	2.0	5.3

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 60

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUN , 1978								
21...	1320	25	6.7	20.5	335	7.2	.020	.00
SEP								
18...	1020	26	7.5	20.5	336	7.2	.120	.06

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1978								
21...	<.010	.01	.02	.01	.03	.050	1.5	3.4
SEP								
18...	<.010	.00	.18	<.10	.18	.040	1.6	4.0

Site 61

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1972												
27...	--	80	--	--	22.5	--	--	--	--	--	--	--
MAR , 1973												
15...	--	80	--	--	--	170	8.0	--	--	--	--	--
JUN , 1974												
27...	1030	80	--	--	22.0	225	--	--	--	--	--	--
SEP												
04...	1100	80	--	--	22.0	200	8.1	.010	.02	<.010	2.3	.03
JAN , 1975												
16...	1300	80	--	--	22.0	180	7.8	.010	.00	.010	2.0	.01
APR												
22...	1230	80	--	--	22.0	220	7.5	.010	.02	.010	1.2	.03
JUN												
27...	1430	80	--	--	22.0	205	--	.010	.06	<.010	1.5	.07
OCT												
15...	1430	80	--	--	22.0	212	--	.020	.00	<.010	1.7	.02
JAN , 1976												
07...	1000	80	--	--	22.0	190	7.6	.010	.01	.010	2.2	.02
JUN												
17...	1300	80	--	--	22.0	190	--	.040	.01	<.010	1.1	.05
SEP												
16...	1200	80	--	--	22.5	189	--	.010	.00	<.010	2.0	.01
JUN , 1978												
21...	1415	80	15	6.7	--	197	8.0	.170	.00	<.010	1.9	.17
SEP												
18...	1110	80	16	7.0	--	195	8.0	<.010	.02	.010	2.0	.02

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)
SEP , 1972											
27...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1973											
15...	--	--	--	--	--	--	--	--	79	--	--
JUN , 1974											
27...	--	--	--	--	--	--	--	--	--	--	89
SEP											
04...	2.3	2.3	.040	.2	0	1.6	2.0	18	74	19	93
JAN , 1975											
16...	2.0	2.0	.020	5.0	--	--	1.0	--	75	12	88
APR											
22...	1.2	1.2	.020	--	--	--	--	--	82	--	--
JUN											
27...	1.5	1.6	.020	--	--	--	--	--	--	--	--
OCT											
15...	1.7	1.7	.020	--	--	--	--	--	--	--	--
JAN , 1976											
07...	2.2	2.2	.010	--	--	--	--	--	79	--	--
JUN											
17...	1.1	1.2	.020	--	--	--	--	--	--	--	--
SEP											
16...	2.0	2.0	.020	--	--	--	--	--	--	--	--
JUN , 1978											
21...	1.9	2.1	.010	--	--	--	--	--	--	--	--
SEP											
18...	2.0	2.0	.010	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 61--Continued

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
SEP , 1972											
27...	--	--	--	--	--	--	6.0	--	--	--	--
MAR , 1973											
15...	--	--	--	--	96	0	5.0	--	--	--	--
JUN , 1974											
27...	25	6.4	3.7	.3	--	--	6.3	.1	2.5	--	125
SEP											
04...	27	6.3	3.7	.3	90	0	5.9	--	--	--	--
JAN , 1975											
16...	25	6.1	3.9	.3	92	0	6.2	.2	1.4	8.9	80
APR											
22...	--	--	--	--	100	0	6.4	--	--	--	--
JUN											
27...	--	--	--	--	--	--	6.5	--	--	--	--
OCT											
15...	--	--	4.4	--	--	--	7.1	--	--	--	--
JAN , 1976											
07...	--	--	4.1	--	96	0	6.8	--	--	--	--
JUN											
17...	--	--	3.8	--	--	--	7.1	--	--	--	--
SEP											
16...	--	--	3.8	--	--	--	6.4	--	--	--	--
JUN , 1978											
21...	--	--	3.5	--	--	--	6.6	--	--	--	--
SEP											
18...	--	--	3.5	--	--	--	6.7	--	--	--	--

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)
JUN , 1974										
27...	1030	--	2	8	--	ND	--	0	--	<2
SEP										
04...	1100	--	--	50	--	--	--	--	--	--
JAN , 1975										
16...	1300	<100	<1	8	ND	--	ND	0	<2	<2

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN , 1974										
27...	<10	ND	--	17	--	<.5	--	--	--	30
SEP										
04...	--	--	--	--	--	--	--	--	--	--
JAN , 1975										
16...	<10	<2	<10	<10	.5	--	<1	ND	2.0	30

Site 62

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
SEP , 1976									
16...	1300	--	--	22.0	201	--	<.010	.00	.010
JUN , 1978									
07...	1135	23	5.0	22.0	205	8.0	<.010	.01	<.010
SEP									
19...	1320	27	5.2	21.5	206	7.9	<.010	.00	<.010

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO4)
SEP , 1976								
16...	.44	<.10	.45	.45	.030	3.0	4.5	8.8
JUN , 1978								
07...	.42	.01	.42	.43	.080	3.2	4.6	--
SEP								
19...	.32	<.10	.32	.32	.020	2.9	4.7	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 63

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)
MAR , 1973											
15...	--	--	115	7.8	--	--	--	--	--	--	--
JUN , 1974											
27...	0945	21.5	130	--	--	--	--	--	--	--	--
SEP											
04...	1030	21.5	140	8.3	.010	.04	<.010	.56	--	--	--
FEB , 1975											
05...	1130	21.0	125	8.3	.010	.00	.010	.66	.01	.67	.68
APR											
22...	1200	21.5	130	7.8	.010	.00	<.010	.55	.01	.55	.56
JUN											
27...	1510	22.5	--	--	.010	.04	<.010	.43	.05	.43	.48
OCT											
15...	1400	22.0	124	--	.020	.00	<.010	.54	.02	.54	.56
JAN , 1976											
22...	1000	21.0	130	8.2	.010	.03	.020	1.0	.04	1.0	1.1
JUN											
18...	1000	22.0	133	--	.040	.04	<.010	.66	.08	.66	.74
SEP											
16...	1430	21.5	134	--	.010	.00	<.010	1.1	.01	1.1	1.1

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
MAR , 1973										
15...	--	--	--	--	--	--	57	--	--	--
JUN , 1974										
27...	--	--	--	--	--	--	--	--	67	18
SEP										
04...	.040	--	3	12	.0	12	57	9	66	18
FEB , 1975										
05...	.020	.0	0	--	.0	--	57	3	61	16
APR										
22...	.020	--	--	--	--	--	56	--	--	--
JUN										
27...	.020	--	--	--	--	--	--	--	--	--
OCT										
15...	.010	--	--	--	--	--	54	--	--	--
JAN , 1976										
22...	.020	--	--	--	--	--	59	--	--	--
JUN										
18...	.020	--	--	--	--	--	--	--	--	--
SEP										
16...	.020	--	--	--	--	--	--	--	--	--

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
MAR , 1973										
15...	--	--	--	70	0	2.0	--	--	--	--
JUN , 1974										
27...	5.4	1.4	.2	--	--	1.8	.3	3.6	--	96
SEP										
04...	5.2	1.5	.2	70	0	2.4	--	--	--	--
FEB , 1975										
05...	5.0	1.8	.2	70	0	2.8	.1	2.2	6.8	72
APR										
22...	--	--	--	66	0	2.5	--	--	--	--
JUN										
27...	--	--	--	--	--	2.3	--	--	--	--
OCT										
15...	--	1.9	--	66	0	3.1	--	--	--	--
JAN , 1976										
22...	--	2.5	--	72	0	3.6	--	--	--	--
JUN										
18...	--	2.1	--	--	--	3.1	--	--	--	--
SEP										
16...	--	2.2	--	--	--	2.6	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 63--Continued

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
JUN , 1974										
27...	0945	--	42	<20	--	ND	--	0	--	<2
SEP										
04...	1030	--	--	30	--	--	--	--	--	--
FEB , 1975										
05...	1130	8	1	60	<2	--	ND	0	ND	ND

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
JUN , 1974										
27...	<10	7	--	17	--	<.5	--	--	--	3
SEP										
04...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
05...	<10	3	<10	<10	.7	--	2	ND	2.5	6

Site 64

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
APR , 1976								
13...	1400	--	--	21.5	--	--	.010	.00
JUN , 1978								
06...	1320	25	6.0	21.5	90	8.5	<.010	.03
SEP								
25...	1035	25	5.6	21.0	91	8.5	<.010	.01
AUG , 1979								
14...	1130	18	6.2	21.5	93	8.4	--	--
FEB , 1980								
29...	1245	25	4.1	20.0	99	8.3	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
APR , 1976								
13...	<.010	.63	.01	.63	.64	.010	1.7	2.1
JUN , 1978								
06...	<.010	.52	.03	.52	.55	.010	1.3	2.4
SEP								
25...	<.010	.42	.01	.42	.43	.010	1.2	2.7
AUG , 1979								
14...	<.010	.46	--	.46	--	--	--	3.0
FEB , 1980								
29...	.000	.53	--	.53	--	--	--	4.1

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 65

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
SEP , 1972											
20...	--	--	--	--	158	8.2	--	--	--	--	--
MAR , 1973											
15...	--	--	--	--	146	7.7	--	--	--	--	--
JUN , 1974											
27...	0900	--	--	22.0	150	--	--	--	--	--	--
SEP											
04...	0930	--	--	22.0	150	8.0	.010	.03	<.010	.25	--
FEB , 1975											
05...	1300	--	--	20.5	157	7.9	.020	.00	.010	.33	.02
APR											
22...	1100	--	--	21.0	150	7.4	.010	.00	.010	.30	.01
JUN											
27...	1530	--	--	23.0	168	--	.010	.02	<.010	.13	.03
JAN , 1976											
22...	1200	--	--	18.5	162	8.1	.020	.00	.020	.22	.02
JUN											
18...	0900	--	--	22.0	158	--	.040	.00	<.010	.16	.04
SEP											
16...	1530	--	--	22.5	162	--	.010	.00	<.010	.18	.01
JUN , 1978											
06...	1415	31	6.0	22.5	165	8.0	<.010	.05	<.010	.20	.05
SEP											
19...	1425	27	5.9	22.0	163	8.2	<.010	.01	<.010	.17	.01
AUG , 1979											
14...	1205	17	2.2	--	158	7.9	--	--	.001	.19	--
FEB , 1980											
29...	1355	54	2.2	19.5	172	7.9	--	--	.000	.27	--

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)
SEP , 1972											
20...	--	--	--	--	--	--	--	--	72	--	--
MAR , 1973											
15...	--	--	--	--	--	--	--	--	71	--	--
JUN , 1974											
27...	--	--	--	--	--	--	--	--	--	--	83
SEP											
04...	--	--	.050	.2	0	16	1.0	17	66	21	87
FEB , 1975											
05...	.34	.36	.030	.0	0	--	.0	--	72	5	77
APR											
22...	.31	.32	.020	--	--	--	--	--	69	--	--
JUN											
27...	.13	.16	.020	--	--	--	--	--	--	--	--
JAN , 1976											
22...	.24	.26	.020	--	--	--	--	--	72	8	80
JUN											
18...	.16	.20	.030	--	--	--	--	--	--	--	--
SEP											
16...	.18	.19	.020	--	--	--	--	--	--	--	--
JUN , 1978											
06...	.20	.25	.020	--	--	--	--	--	--	--	--
SEP											
19...	.17	.18	.010	--	--	--	--	--	--	--	--
AUG , 1979											
14...	.20	--	--	--	--	--	--	--	--	--	--
FEB , 1980											
29...	.27	--	--	--	--	--	--	--	--	--	--

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 65--Continued

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
SEP , 1972											
20...	--	--	--	--	88	0	3.0	--	--	--	--
MAR , 1973											
15...	--	--	--	--	86	0	3.0	--	--	--	--
JUN , 1974											
27...	23	6.1	1.9	.2	--	--	2.7	.1	6.3	--	98
SEP											
04...	25	5.9	2.1	.2	80	0	3.1	--	--	--	--
FEB , 1975											
05...	21	5.9	2.5	.2	88	0	3.6	.1	4.9	6.9	85
APR											
22...	--	--	--	--	84	0	3.6	--	--	--	--
JUN											
27...	--	--	--	--	--	--	3.7	--	--	--	--
JAN , 1976											
22...	22	6.0	2.8	--	88	0	3.6	.1	.6	6.1	92
JUN											
18...	--	--	2.6	--	--	--	3.5	--	--	--	--
SEP											
16...	--	--	2.4	--	--	--	3.5	--	--	--	--
JUN , 1978											
06...	--	--	2.4	--	--	--	3.6	--	--	--	--
SEP											
19...	--	--	2.2	--	--	--	4.0	--	--	--	--
AUG , 1979											
14...	--	--	--	--	--	--	4.0	--	--	--	--
FEB , 1980											
29...	--	--	--	--	--	--	4.0	--	--	--	--

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
JUN , 1974									
27...	0900	--	<1	--	<20	--	ND	--	0
SEP									
04...	0930	--	--	--	140	--	--	--	--
FEB , 1975									
05...	1300	20	1	--	30	2	--	ND	0
JAN , 1976									
22...	1200	--	--	1	--	--	2	--	--

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
JUN , 1974									
27...	--	<2	--	<10	--	ND	--	--	--
SEP									
04...	--	--	--	--	--	--	--	--	--
FEB , 1975									
05...	2	ND	--	<10	--	6	--	<10	--
JAN , 1976									
22...	--	--	<2	--	20	--	25	--	<10

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUN , 1974									
27...	17	--	<.5	--	--	--	--	20	--
SEP									
04...	--	--	--	--	--	--	--	--	--
FEB , 1975									
05...	<10	<.5	--	1	2	--	3.0	50	--
JAN , 1976									
22...	--	--	<.5	--	--	130	--	--	50

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 66

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
APR , 1976								
19...	1300	--	--	22.0	--	--	.020	.00
JUN , 1978								
07...	1215	20	--	--	150	8.2	<.010	.03
SEP								
19...	1220	25	5.2	--	150	8.2	<.010	.00
AUG , 1979								
14...	1030	20	5.8	--	152	8.1	--	--
FEB , 1980								
29...	1130	20	4.3	20.0	161	8.1	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
APR , 1976								
19...	<.010	.17	.02	.17	.19	.010	2.1	2.4
JUN , 1978								
07...	<.010	.22	.03	.22	.25	.020	2.1	3.5
SEP								
19...	<.010	.25	<.10	.25	.25	.010	2.0	3.5
AUG , 1979								
14...	.003	.24	--	.24	--	--	--	4.0
FEB , 1980								
29...	.000	.21	--	.21	--	--	--	3.7

Site 67

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
APR , 1976								
19...	1200	--	--	22.0	--	--	.020	.05
JUN , 1978								
07...	1310	31	9.1	22.0	140	8.2	<.010	.00
SEP								
19...	1140	27	7.5	21.5	140	8.2	<.010	.00
AUG , 1979								
14...	1100	16	10	21.5	138	8.2	--	--
FEB , 1980								
29...	1205	24	8.8	21.5	142	8.2	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
APR , 1976								
19...	<.010	.18	.07	.18	.25	.020	2.1	2.1
JUN , 1978								
07...	<.010	.22	<.10	.22	.22	.020	2.0	3.2
SEP								
19...	<.010	.26	<.10	.26	.26	.010	1.9	3.5
AUG , 1979								
14...	.003	.26	--	.26	--	--	--	4.0
FEB , 1980								
29...	.000	.37	--	.37	--	--	--	3.6

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 68

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
APR , 1976								
13...	1300	--	--	21.0	--	--	.010	.02
JUN , 1978								
07...	1420	28	6.7	21.0	105	8.3	<.010	.00
SEP								
18...	1205	24	6.7	21.0	109	8.2	<.010	.02
AUG , 1979								
14...	0955	18	9.4	20.5	106	8.2	--	--
FEB , 1980								
29...	1055	22	8.3	19.0	106	8.3	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
APR , 1976								
13...	<.010	.10	.03	.10	.13	.010	1.5	1.9
JUN , 1978								
07...	<.010	.17	<.10	.17	.17	.020	1.2	2.4
SEP								
18...	<.010	.18	.02	.18	.20	.010	1.1	2.5
AUG , 1979								
14...	<.010	.11	--	.11	--	--	--	3.0
FEB , 1980								
29...	.000	.10	--	.10	--	--	--	2.4

Site 69

DATE	TIME	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUN , 1978								
20...	1000	18	8.6	21.0	245	7.7	<.010	.00
SEP								
19...	1040	23	9.1	20.5	225	7.8	<.010	.02

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SODIUM, DISSOLVED (MG/L AS NA)	CHLORIDE, DISSOLVED (MG/L AS CL)
JUN , 1978								
20...	<.010	2.2	<.10	2.2	2.2	.010	5.2	9.0
SEP								
19...	<.010	1.8	.02	1.8	1.8	.020	5.1	6.9

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 70, effluent sampling site at holding ponds

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
SEP , 1972										
20...	1200	E.6	650	7.3	20.0	14	.060	.00	9.90	7.1
OCT										
31...	1400	--	650	7.8	20.0	14	.060	.00	9.90	7.1
DEC										
28...	1000	E.6	718	8.2	21.0	4.4	.330	2.6	10.0	20
MAR , 1973										
05...	1200	E.6	702	7.6	20.0	5.0	.060	.00	9.00	51
APR										
24...	1200	--	560	7.2	17.0	2.2	.040	.04	7.40	62
JUN										
28...	1200	E.6	570	7.6	15.0	4.9	.550	.01	5.90	30
AUG										
30...	1300	--	--	7.1	11.0	2.7	.170	1.2	6.40	--
NOV										
07...	1200	--	698	7.9	22.0	3.0	.010	.00	9.50	7.8
DEC										
20...	1200	--	649	7.4	22.0	1.8	.010	.03	9.60	8.0
FEB , 1974										
13...	1430	--	541	7.3	23.0	5.8	.060	.09	10.0	38
APR										
30...	1000	--	700	7.8	25.0	.85	.030	.07	12.0	8.4
JUN										
27...	1600	32.0	647	--	21.0	2.9	.110	.06	9.20	45
AUG										
28...	1300	31.0	700	6.9	21.0	2.9	.050	.03	9.60	22

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	CARBON, INORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, TOTAL (MG/L AS C)	ALKALINITY FIELD (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
SEP , 1972									
20...	--	65	8.0	--	200	0	140	39	11
OCT									
31...	--	65	8.0	83	--	--	160	42	12
DEC									
28...	--	22	14	--	140	25	150	39	12
MAR , 1973									
05...	--	42	56	--	160	0	130	38	11
APR									
24...	--	30	47	--	160	0	120	33	9.2
JUN									
28...	--	35	42	--	150	0	120	33	8.8
AUG									
30...	--	--	--	--	160	--	--	--	--
NOV									
07...	--	47	47	--	190	0	140	39	11
DEC									
20...	--	47	28	--	68	91	150	37	14
FEB , 1974									
13...	--	50	17	--	220	0	130	36	10
APR									
30...	--	59	101	--	230	0	160	39	15
JUN									
27...	--	53	39	--	--	0	180	40	20
AUG									
28...	130	50	46	96	160	0	130	37	9.7

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 70, effluent sampling site at holding ponds--Continued

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
SEP , 1972									
20...	51	9.4	240	0	52	1.4	25	18	355
OCT									
31...	56	11	--	0	80	.7	30	17	351
DEC									
28...	46	8.8	150	0	100	1.7	25	15	390
MAR , 1973									
05...	51	7.2	180	0	92	2.9	34	16	329
APR									
24...	41	6.7	190	0	57	1.2	26	15	282
JUN									
28...	40	6.8	170	0	58	1.0	18	18	270
AUG									
30...	--	--	190	0	40	--	--	--	--
NOV									
07...	54	3.0	220	0	62	--	--	--	--
DEC									
20...	47	16	72	0	42	--	--	--	--
FEB , 1974									
13...	50	13	270	0	48	--	--	--	--
APR									
30...	50	12	280	0	51	--	21	--	314
JUN									
27...	45	10	--	--	50	2.1	20	--	278
AUG									
28...	42	8.0	220	--	49	--	--	--	--

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
SEP , 1972											
20...	1200	350	--	20	--	--	0	1	10	0	30
OCT											
31...	1400	--	--	--	--	--	--	--	--	--	--
DEC											
28...	1000	80	--	10	--	--	--	<2	<20	--	--
MAR , 1973											
05...	1200	<100	--	6	--	--	--	<2	30	--	--
APR											
24...	1200	--	--	5	--	--	ND	--	--	0	--
JUN											
28...	1200	260	--	7	--	--	--	2	--	0	60
NOV											
07...	1200	--	--	--	--	650	--	--	--	--	--
DEC											
20...	1200	--	--	1	--	--	--	9	--	--	--
APR , 1974											
30...	1000	--	<1	<1	--	--	--	<2	--	0	--
JUN											
27...	1600	90	--	10	<100	280	--	<2	--	--	ND
AUG											
28...	1300	--	--	--	--	210	--	--	--	--	--
FEB , 1975											
05...	1500	20	--	1	--	--	--	ND	--	--	<20
JUL											
02...	1430	50	--	0	--	--	--	0	--	--	--
JUN , 1976											
08...	1600	650	--	1	--	--	--	1	--	--	20
APR , 1981											
10...	1400	--	--	--	--	--	--	0	--	--	36
MAY											
11...	1400	--	--	--	--	--	--	0	--	--	7

Table 6.--Physical and chemical characteristics of well and water at sites 1 through 70--Continued

Site 70, effluent sampling site st holding ponds--Continued

DATE	COBALT, DIS-SOLVED (UG/L AS CO)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
SEP , 1972											
20...	0	0	30	30	70	390	6	18	10	10	30
OCT											
31...	--	--	--	--	--	--	--	--	--	--	--
DEC											
28...	--	<2	--	40	--	310	--	12	--	<10	40
MAR , 1973											
05...	--	<2	--	60	--	470	--	17	--	<10	40
APR											
24...	--	--	40	--	130	--	6	--	--	--	--
JUN											
28...	--	ND	--	40	--	630	--	19	--	<10	50
NOV											
07...	--	--	--	--	--	--	--	--	--	--	--
DEC											
20...	--	--	--	5	--	630	--	6	--	--	67
APR , 1974											
30...	--	--	--	--	80	--	15	--	--	--	--
JUN											
27...	--	10	--	20	--	620	--	14	--	8	38
AUG											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB , 1975											
05...	--	ND	--	4	20	30	--	24	--	<10	18
JUL											
02...	--	--	--	--	--	140	--	0	--	--	20
JUN , 1976											
08...	--	0	--	10	0	530	--	5	--	0	20
APR , 1981											
10...	--	--	--	22	--	213	--	3	--	--	19
MAY											
11...	--	--	--	44	--	--	--	1	--	--	--

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, TOTAL (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
SEP , 1972										
20...	20	.5	--	4	--	--	300	--	70	120
OCT										
31...	--	--	--	--	--	--	400	--	--	--
DEC										
28...	--	--	--	8	--	--	320	--	--	120
MAR , 1973										
05...	--	<.5	--	<2	--	--	140	--	--	220
APR										
24...	50	--	--	--	--	--	40	--	40	--
JUN										
28...	--	.6	--	6	--	--	300	--	--	130
NOV										
07...	--	--	--	--	--	--	--	--	--	--
DEC										
20...	--	--	--	--	--	--	--	--	--	120
APR , 1974										
30...	25	<.5	--	--	--	--	--	--	20	--
JUN										
27...	--	<.5	1	13	9	6	--	8.0	--	30
AUG										
20...	--	--	--	--	--	--	--	--	--	--
FEB , 1975										
05...	--	<.5	<1	4	--	--	--	2.0	--	30
JUL										
02...	--	.2	--	0	0	--	--	--	--	--
JUN , 1976										
08...	--	.0	0	0	0	--	150	12	--	40
APR , 1981										
10...	--	--	--	--	--	--	--	--	--	50
MAY										
11...	--	--	--	--	--	--	--	--	--	52