SELECTED WATER-QUALITY DATA FOR A COASTAL DUNES AQUIFER NEAR COOS BAY, OREGON – 1971 TO 1983

By R. A. Dobberpuhl, J. E. Luzier, and C. A. Collins

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[Plate is in pocket]

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ABSTRACT

An extensive amount of water-chemistry data were collected from the coastal dunes aquifer north of Coos Bay, Oregon from 1971 to 1983. The data were collected to support an iron geochemistry study of the dune area. The main study area was near Horsfall Beach. Additional areas of study were west of Saunders Lake and along the deflation plain between the Horsfall Beach area and Saunders Lake area. The Coos Bay-North Bend Water Board has monitored the water chemistry of a series of production wells in the dunes.

INTRODUCTION

The U.S. Geological Survey and the Coos Bay-North Bend Water Board have collected water-chemistry data from the coastal dunes aquifer north of Coos Bay, Oregon since 1971 (fig. 1). The data were collected in response to long-term monitoring needs and in support of special studies of the behavior of iron-rich ground water. Most of the data were collected during the period 1978-83 at a cross section near Horsfall Beach (pl. 1). The section consists of a number of pipe piezometers, two test wells, and 11 tube-screen profile wells (packages of vertically spaced sampling tubes) used to monitor water-chemistry changes through the full thickness of the aquifer under pumping and natural flow conditions.

A second section was also established near the beach, west of Saunders Lake, about 6 miles north of Horsfall Beach. The section consists of a shallow production well, two profile wells, and several piezometers (pl. 1).

Fifty-two test holes were jetted to depths in coastal deflation plain of approximately 20 feet and water samples collected after pumping the test holes at rates of abcut 40 gallons per minute (gal/min) for 30 minutes. The deflation plain as defined here is the areas east of the foredune where sand has been removed by wind action approximately to the elevation of the water table. The screens and casing were removed and the holes filled after sampling. The water-chemistry data are presented in tables 1 and 2.

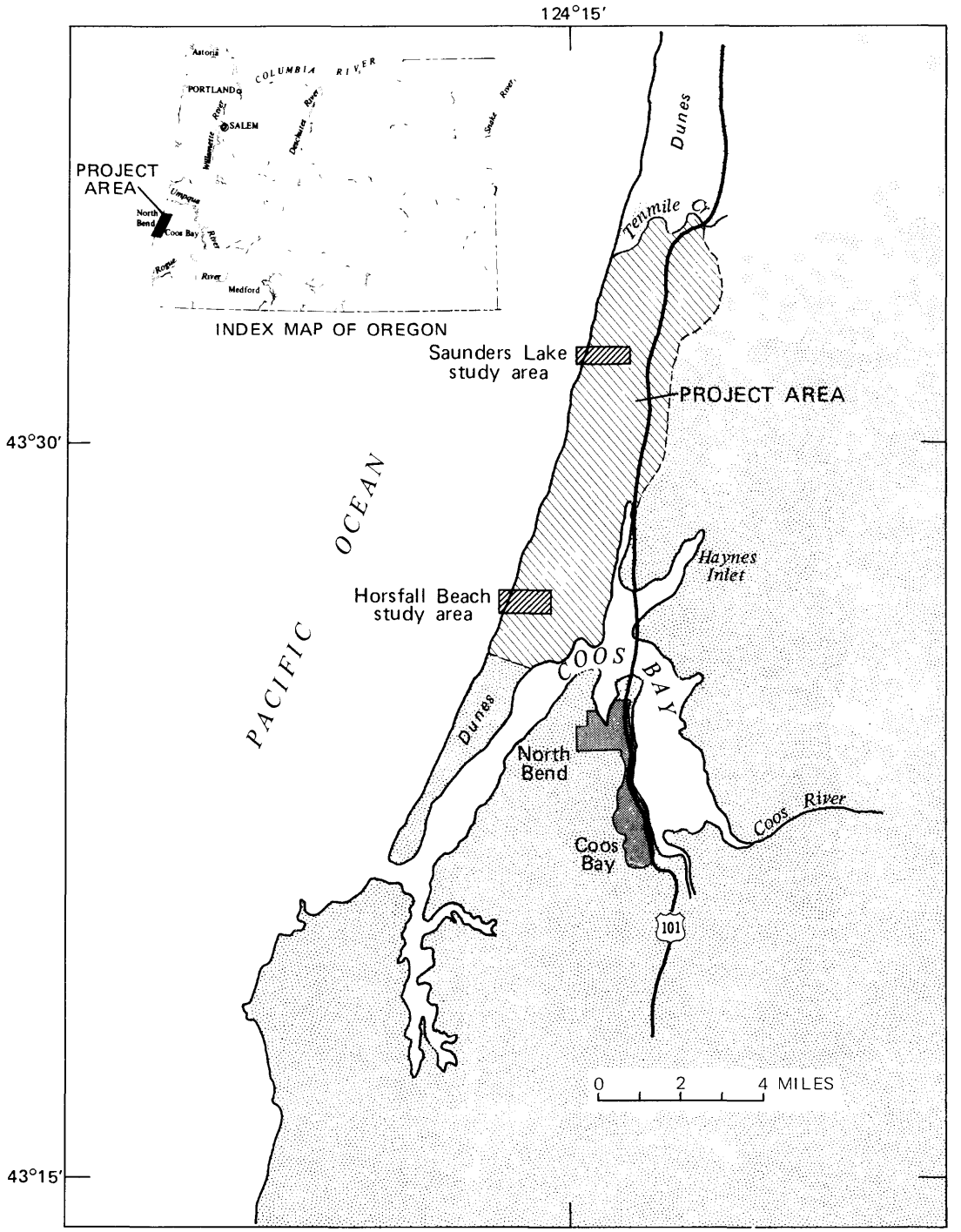

FIGURE 1. – Study area.

ACKNOWLEDGEMENTS

The authors would like to give special thanks to the Coos Bay-North Bend Water Board personnel for their outstanding cooperation and technical assistance.

DESCRIPTION OF WELLS

Wells B1, B2, B3, B5, and P1 through P11 are tube-screen profile wells. Each of the B-wells has about 30 tube screens embedded vertically every 4 to 6 feet through the thickness of the aquifer. The P-wells penetrate only the upper one-third of the aquifer and contain about 10 tube screens each. The tube screens were constructed by perforating a one-foot section at the bottom of a length of .25-inch I.D., flexible polyvinyl cloride (PVC) tubing. The openings were then triple wrapped in 54 mesh stainless steel cloth, and the wrap retained with nylon ties and heat-shrunk tubing. Each of the deep profile wells (B1, B2, B3, B5) also contain a 1.25-inch PVC pipe perforated near the bottom. Special purpose piezometer wells, such as 100E, P44, 205, (mostly installed for pumping tests prior to 1978) consist of standard 1.25 to 2.0-inch galvanized pipe with a 3-foot stainless steel screen and drive point. Wells 41 through 60 are production wells operated by Coos Bay-North Bend Water Board (pl. 1). Screened aquifer-test wells drilled as part of the study include HB (Horsfall Beach), NTW (North Test Well), and B4. Tables 10 and 11 provide summarized information concerning the construction of all wells and piezometers.

METHODS OF SAMPLING AND ANALYSIS

Methods of data collection and analysis for tables 1-9 are described in the following sections. Bicarbonate was derived from field measurements of alkalinity in tables 1, 2, 3, 5, and 6.

Table 1 and 2: Temperature, specific conductance, dissolved iron, pH, and dissolved oxygen were measured by Coos Bay-North Bend Water Board personnel using (1) a yellow Springs Model 57 DO meter, (2) an Orion Model 399A pH meter, (3) the colorimetric test of the Hach kit DRI Region 854 for dissolved iron, and (4) a Lab-line Meter and cell for specific conductance.1/ In table 2, where two analyses are shown at the same depth for a given date, the first analysis listed was determined at the sampling site, and the second analysis listed was determined at the Coos Bay-North Bend water laboratory. Titrations for alkalinity and chloride were conducted at the laboratory of the Coos Bay-North Bend Water Board. All other determinations were made by the U.S. Geological Survey Central Laboratory, Arvada, Colorado, using methods described by Skougstad and others, (1979).

1/ Use of brand names in this report are for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

Table 3: Data measurements at Horsfall Beach from October, 1979 through December, 1979 were performed by U.S. Geological Survey personnel using (1) a Lab-line meter and cell for specific conductance, (2) an Orion Meter and probe Model 399A, or Corning Meter and probe Model 3D for pH, and (3) hand-held thermometer for temperature. Dissolved iron determinations were performed by U.S. Geological Survey personnel at the Coos Bay-North Bend Water Board Laboratory using the colorimetric, bipyridine method with a Bausch and Lomb spectrometer Model 20. Alkalinity was determined by electrometric titration (Skougstad and others, 1979).

Table 4: Measurements west of Saunders Lake during the period 1978-79 were performed by U.S. Geologial Survey personnel using the same methods and instrumentation described for table 3, except dissolved iron, and some chloride determinations which were conducted by the U.S. Geological Survey Central Laboratory, Arvada, Colorado.

Table 5: For seasonal measurements prior to October, 1981, the same procedures were used by U.S. Geological Survey personnel as for table 3 except that iron and chloride values were determined by the U.S. Geological Survey Central Laboratory. In 1981 a vertical flow-through water chamber was developed by the authors to accommodate probes for the simultaneous determination of pH, temperature, specific conductance, Eh, and DO. The chamber was flooded from below using a peristaltic pump, and readings were recorded at 5- to 10-minute intervals for 20 to 30 minutes. Parameter equilibration was usually reached within 5 to 10 minutes after initial flooding of the chamber. The flow was stopped for final readings, and water was then diverted ahead of the chamber by use of a valve for sample collection and immediate field titrations. An Orion Model 399A Meter and Model 91-04 probe were used for pH measurements. A Yellow Springs Instruments (YSI) thermistor (thermometer Model 3220), a YSI conductance cell, and a YSI Meter Model 32 were used for temperature and conductance. A YSI probe Model 5739 and meter Model 57 were used for measuring DO. Eh was determined using an Orion meter Model 399A, with a Model 967800 combination platinum redox probe, using methods outlined by Wood (1976), and Nordstrom (1977). Alkalinity and sulfide titrations were performed in the field after August, 1981, using standard methods described by Skougstad and others, (1979). Dissolved iron was determined at the District Laboratory, U.S. Geological Survey, Portland, Oregon using the colorimetric, bipyridine method with a Bausch and Lomb spectrometer. Checks on quality control were performed by sending blind samples to the U.S. Geological Survey Central Laboratory, Arvada, Colorado.

Table 6: Determinations for hardness, potassium, calcium, magnesium, sulfate, silica, sodium, and chloride were performed by U.S. Geological Survey Central Laboratory. All other measurements were conducted by U.S. Geological Survey personnel using methods described previously.

Table 7 and 8: Temperature and specific conductance were read with a YSI digital conductance meter. Dissolved iron concentrations were determined using a Hach kit DRI Region 854 colorimetric test. An Orion Meter Model 399A was used to measure pH. Total alkalinity, total hardness, and chloride were determined using titration methods. Carbon dioxide was determined from a Languir chart, and fluoride with a specific-ion electrode and Orion Model 407 meter.

Table 9: Determinations for arsenic, boron, manganese, aluminum, bromide, strontium, and organic carbon were performed by U.S. Geological Survey Central Laboratory.

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Table 1.--Water-chemistry data from jetted wells in the deflation plain, July and August 1977.

WELL	DATE	DEPTH OF SAMPLING (FEET)	DEPTH OF SAMPLING (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	HARDNESS (MG/L AS CACO3)	PH (UNIT)	DISSOLVED IRON (MG/L)	DISSOLVED POTASSIUM (MG/L)	DISSOLVED CALCIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED SILICA (MG/L)	DISSOLVED SODIUM (MG/L)	DISSOLVED CHLORIDE (MG/L)	DISSOLVED OXYGEN (MG/L)
3	08/10/77	19	5.8	--	13.8	142	13	14	6.20	12.00	2.0	2.0	2.2	1.3	23	11	21	--
7	08/10/77	21	6.4	--	13.0	65	4	4	6.00	.22	2.2	1.3	.3	4.9	18	8	12	--
10	08/11/77	20	6.1	--	12.7	207	28	24	6.00	32.00	1.9	3.3	3.9	2.4	19	12	21	--
11	08/11/77	19	5.8	--	11.5	220	13	300	6.40	5.70	2.3	3.3	5.4	7.9	12	22	50	--
15	08/12/77	19	5.8	--	12.0	209	25	24	6.60	25.00	2.8	3.9	3.5	3.3	19	16	24	--
21	08/12/77	20	6.1	--	13.0	149	--	22	6.40	12.00	1.6	4.9	2.4	4.3	18	10	34	--
26	08/15/77	19	5.8	--	13.0	102	26	20	6.80	4.80	1.9	2.9	3.2	4.9	23	9	13	--
32	08/15/77	20	6.1	--	12.7	82	12	14	6.60	5.80	1.6	3.8	1.1	3.8	19	8	13	--
33	08/16/77	20	6.1	--	11.5	--	52	52	6.00	.25	2.5	6.4	--	1.7	13	19	38	--
41B	08/05/77	19	5.8	1440	12.5	80	13	14	6.20	12.00	1.7	2.1	2.1	1.4	19	9	16	2.85
42	08/17/77	19	5.8	1205	12.0	198	49	66	6.40	.38	3.3	9.9	10.0	2.0	21	13	38	--
44	08/18/77	18	5.5	1130	11.7	134	33	39	6.00	.22	1.9	8.0	4.6	2.3	15	13	23	.35
45	08/18/77	20	6.1	1435	11.0	98	8	9	7.00	9.70	1.8	2.0	.9	4.2	19	8	14	.40
46	08/18/77	19	5.8	1555	11.7	125	28	17	6.20	10.00	1.5	1.7	3.1	.2	17	11	14	--
47	08/18/77	19	5.8	1330	12.0	134	20	13	6.80	17.00	1.6	2.2	1.7	--	18	9	12	.30
48	08/22/77	21	6.4	1450	12.0	180	63	52	6.80	12.00	2.1	4.7	9.7	2.4	19	10	15	2.30
49	08/23/77	19	5.8	1315	11.5	134	26	22	6.00	28.00	2.0	4.2	2.9	1.6	19	10	15	3.10
50	08/23/77	20	6.1	1605	12.0	178	--	32	6.20	15.00	2.5	5.6	4.3	1.7	20	12	30	1.80
51A	08/24/77	15	4.6	1130	12.0	132	26	20	6.00	8.20	2.0	3.1	3.0	1.9	20	10	17	.10
51B	08/24/77	18	5.5	1320	12.0	138	29	23	6.20	8.00	2.0	4.2	3.1	1.9	21	10	16	.10
52	08/29/77	19	5.8	1035	12.5	144	21	18	6.40	12.00	1.3	3.1	2.5	1.3	19	12	20	.10

Table 2.--Field water-chemistry data from jetted wells in the deflation plain, July and August 1977

WELL	DATE	DEPTH OF SAMPLING (FEET)	DEPTH OF SAMPLING (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
1	07/13/77	17	5.2	15.0	--	--	9.60	--	--
2	07/13/77	21	6.4	--	--	85	2.50	6.20	24
2	07/13/77	21	6.4	12.7	--	--	3.80	--	--
3	07/14/77	19	5.8	13.3	--	--	12.00	6.00	--
3	07/14/77	19	5.8	--	--	61	15.00	6.20	20
4	07/15/77	20	6.1	12.2	--	--	2.20	6.00	--
4	07/15/77	20	6.1	--	--	6	.30	6.10	30
5	07/15/77	--	--	13.3	--	--	19.00	6.00	--
5	07/15/77	--	--	--	--	85	27.50	6.00	48
6	07/15/77	19	5.8	13.3	--	--	5.40	6.20	--
6	07/15/77	19	5.8	--	--	12	6.50	6.00	23
7	07/18/77	21	6.4	13.6	--	10	6.00	6.10	15
8	07/18/77	21	6.4	11.9	--	--	.80	6.20	--
8	07/18/77	21	6.4	--	--	--	.10	6.00	18
9	07/18/77	19	5.8	12.7	--	--	16.40	--	--
9	07/18/77	19	5.8	--	--	44	20.00		18
10	07/19/77	20	6.1	13.3	--	--	25.60	6.20	--
10	07/19/77	20	6.1	--	--	73	30.00	5.90	22
11	07/19/77	19	5.8	12.7	--	--	5.80	6.10	--
11	07/19/77	19	5.8	--	--	24	10.40	5.90	20
12	07/19/77	19	5.8	13.3	--	--	6.60	6.40	--
12	07/19/77	19	5.8	--	--	20	10.00	5.90	25
13	07/19/77	20	6.1	13.3	--	--	5.00	6.60	--
13	07/19/77	20	6.1	--	--	22	9.50	5.90	12

Table 2.--Field water-chemistry data from jetted wells in the deflation plain, July and August 1977--Continued

WELL	DATE	DEPTH OF SAMPLING (FEET)	DEPTH OF SAMPLING (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
14	07/21/77	16	4.9	12.7	--	--	.80	6.00	--
14	07/21/77	16	4.9	--	--	34	.20	5.80	48
15	07/21/77	19	5.8	12.2	--	--	3.00	6.40	--
15	07/21/77	19	5.8	--	--	73	25.00	5.90	--
16	07/21/77	21	6.4	12.2	--	--	15.20	6.40	--
16	07/21/77	21	6.4	--	--	--	20.00	6.30	23
17	07/22/77	22	6.7	12.7	--	10	7.00	6.20	--
17	07/22/77	22	6.7	--	--	37	10.50	5.80	15
18	07/22/77	20	6.1	13.3	--	--	7.50	6.20	--
18	07/22/77	20	6.1	--	--	27	8.00	5.90	13
19	07/26/77	20	6.1	12.2	--	--	1.00	6.00	--
19	07/26/77	20	6.1	--	--	37	.35	5.80	66
20	07/26/77	20	6.1	12.7	--	--	.80	6.00	--
20	07/26/77	20	6.1	--	--	102	.25	6.10	24
21	07/26/77	20	6.1	13.3	--	--	14.80	6.00	--
21	07/26/77	20	6.1	--	--	51	15.00	6.00	24
22	07/27/77	21	6.4	13.8	--	--	11.00	6.00	--
22	07/27/77	21	6.4	--	--	37	15.00	5.80	10
23	07/27/77	16	4.9	11.6	--	--	15.00	6.00	--
23	07/27/77	16	4.9	--	--	85	17.50	6.00	30
24	07/28/77	20	6.1	12.7	--	--	14.00	6.60	--
24	07/28/77	20	6.1	--	--	85	20.00	6.20	18
25	07/28/77	20	6.1	13.3	--	--	8.00	6.60	--
25	07/28/77	20	6.1	--	--	37	10.00	6.10	18
26	07/28/77	19	5.8	--	--	--	5.50	6.40	--
26	07/28/77	19	5.8	--	--	37	7.50	6.10	12

Table 2.--Field water-chemistry data from jetted wells in the deflation plain, July and August 1977--Continued

WELL	DATE	DEPTH OF SAMPLING (FEET)	DEPTH OF SAMPLING (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
27	07/28/77	20	6.1	13.8	--	--	4.50	6.60	--
27	07/28/77	20	6.1	--	--	37	7.50	6.20	12
28	07/29/77	19	5.8	12.2	--	--	3.00	6.40	--
28	07/29/77	19	5.8	--	--	37	1.70	6.30	13
29	07/29/77	19	5.8	--	--	--	5.50	6.80	--
29	07/29/77	19	5.8	--	--	27	8.80	6.30	13
30	07/29/77	20	6.1	--	--	--	9.50	6.80	--
30	07/29/77	20	6.1	--	--	39	15.00	6.30	14
31	08/01/77	20	6.1	--	--	--	15.50	6.40	--
31	08/01/77	20	6.1	--	--	37	20.00	5.80	15
32	08/01/77	20	6.1	--	--	--	5.20	6.60	--
32	08/01/77	20	6.1	--	--	20	8.75	5.90	17
33	08/01/77	20	6.1	--	--	--	1.20	6.00	--
33	08/01/77	20	6.1	--	--	49	2.50	5.90	30
34	08/02/77	20	6.1	12.7	--	--	6.20	6.00	--
34	08/02/77	20	6.1	--	--	49	13.00	5.90	20
35	08/02/77	20	6.1	12.7	--	--	3.50	6.40	--
35	08/02/77	20	6.1	--	--	37	5.00	6.00	20
36	08/02/77	20	6.1	12.7	--	--	7.20	6.60	--
36	08/02/77	20	6.1	--	--	37	12.00	5.90	15
37	08/03/77	20	6.1	12.2	180	--	18.00	6.60	--
38A	08/03/77	--	--	13.0	126	--	8.00	6.60	--
38B	08/03/77	20	6.1	12.5	180	--	30.40	6.60	--
39A	08/04/77	14	4.3	13.0	142	--	18.00	6.40	--
39B	08/04/77	20	6.1	12.8	126	--	15.00	6.40	--
40A	08/05/77	14	4.3	13.0	142	--	22.00	6.00	--
40B	08/05/77	21	6.4	12.5	131	--	20.80	6.40	--

Table 2.--Field water-chemistry data from jetted wells in the deflation plain, July and August 1977--Continued

WELL	DATE	DEPTH OF SAMPLING (FEET)	DEPTH OF SAMPLING (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
41B	08/05/77	19	5.8	12.5	111	--	13.00	6.20	--
42	08/17/77	19	5.8	13.0	198	--	1.60	6.20	--
43A	08/05/77	15	4.6	11.0	290	--	20.00	6.20	--
43B	08/08/77	21	6.4	10.5	160	--	12.40	6.00	--
44	08/18/77	18	5.5	11.8	134	--	1.40	6.00	--
45	08/18/77	20	6.1	13.6	98	--	7.00	--	--
46	08/18/77	19	5.8	14.0	125	--	11.75	6.20	--
47	08/18/77	19	5.8	12.0	134	--	16.80	6.80	--
48	08/22/77	21	6.4	14.0	180	--	14.00	6.80	--
49	08/23/77	19	5.8	11.5	134	--	14.00	6.00	--
50	08/23/77	20	6.1	12.0	178	--	14.00	6.20	--
51A	08/24/77	15	4.6	12.0	132	--	12.00	6.00	--
51B	08/24/77	18	5.5	12.0	138	--	12.00	--	--

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B1	10/18/79	-2	-0.6	1030	11.8	154	--	2.40	6.69
B1	10/18/79	-9	-2.7	1040	12.8	155	--	1.30	6.76
B1	10/18/79	-15	-4.6	1050	12.8	157	--	.77	6.41
B1	10/18/79	-21	-6.4	1100	12.6	178	--	.96	6.30
B1	10/18/79	-27	-8.2	1110	12.3	178	--	1.10	6.38
B1	10/18/79	-33	-10.1	1120	12.2	179	--	1.10	6.38
B1	10/18/79	-39	-11.9	1130	12.2	200	--	1.40	6.30
B1	10/18/79	-45	-13.7	1140	12.2	207	--	.64	6.42
B1	10/18/79	-51	-15.5	1145	12.3	209	--	.50	6.44
B1	10/18/79	-57	-17.4	1150	12.1	218	--	.36	6.34
B1	10/18/79	-63	-19.2	1200	12.3	239	--	.44	6.70
B1	10/18/79	-69	-21.0	1210	12.2	289	--	.46	6.80
B1	10/18/79	-75	-22.9	1220	12.3	348	--	2.10	6.70
B1	10/18/79	-81	-24.7	1230	12.4	352	--	1.90	6.86
B1	10/18/79	-87	-26.5	1240	12.4	455	--	1.40	7.18
B1	10/18/79	-93	-28.3	1250	12.4	450	--	.29	7.60
B1	10/18/79	-99	-30.2	1300	12.6	422	--	.19	7.80
B1	10/18/79	-105	-32.0	1310	12.6	392	--	.04	7.92
B1	10/18/79	-110	-33.5	1320	12.6	408	--	.04	7.90
B1	10/18/79	-122	-37.2	1330	12.6	418	--	.01	7.92
B1	10/18/79	-129	-39.3	1340	12.6	390	--	.06	7.96
B1	10/18/79	-135	-41.1	1350	12.6	402	--	.13	7.85
B1	10/18/79	-141	-43.0	1400	12.6	435	--	.23	7.70
B1	10/18/79	-147	-44.8	1410	13.0	2100	--	.34	7.55
B1	10/18/79	-153	-46.6	1420	12.4	3640	--	.26	7.88
B1	10/18/79	-159	-48.5	1430	12.4	4220	--	.41	7.70
B1	10/18/79	-165	-50.3	1440	12.4	8160	--	5.29	6.88
B1	10/18/79	-173	-52.7	1500	12.4	9500	--	9.20	7.12
B1	10/18/79	-194	-59.1	1510	12.4	14800	--	46.00	7.42
B1	10/18/79	-200	-61.0	1520	12.8	13200	--	22.80	7.06
B1	11/02/79	-122	-37.2	1340	13.2	400	--	.04	7.18
B1	11/02/79	-147	-44.8	1330	14.8	750	--	.47	6.90
B1	11/02/79	-153	-46.6	1320	13.6	2850	--	.27	7.74
B1	11/02/79	-159	-48.5	1310	13.3	4480	--	.43	7.74
B1	11/02/79	-165	-50.3	1300	13.3	8700	--	1.90	7.41
B1	11/02/79	-173	-52.7	1250	13.7	9330	--	7.60	6.86
B1	11/02/79	-194	-59.1	1240	13.4	17800	--	25.70	6.74
B1	11/02/79	-200	-61.0	1230	13.7	13600	--	12.00	6.76

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B1	11/09/79	1/	1/	1100	13.2	508	--	--	--
B1	11/09/79	1/	1/	1115	12.8	525	--	--	--
B1	11/09/79	1/	1/	1125	12.8	525	--	--	--
B1	11/09/79	1/	1/	1130	12.5	510	--	--	--
B1	11/09/79	1/	1/	1135	13.0	508	--	--	--
B1	11/09/79	-141	-43.0	1057	13.1	430	--	--	8.10
B1	11/09/79	-147	-44.8	1055	14.0	636	--	--	7.20
B1	11/09/79	-153	-46.6	1050	13.0	760	--	--	7.70
B1	11/09/79	-159	-48.5	1045	12.9	758	--	--	7.40
B1	11/09/79	-165	-50.3	1040	12.6	2540	--	--	7.30
B1	11/09/79	-173	-52.7	1035	12.8	2980	--	--	6.90
B1	11/09/79	-194	-59.1	1030	13.0	2420	--	--	6.40
B1	11/09/79	-200	-61.0	1022	13.6	2080	--	--	6.70
B1	11/15/79	-153	-46.6	1730	12.1	3380	--	--	--
B1	11/15/79	-153	-46.6	2350	12.2	3500	--	--	--
B1	11/15/79	-159	-48.5	1630	12.1	3850	--	--	--
B1	11/15/79	-159	-48.5	2340	12.2	3700	--	--	--
B1	11/16/79	-141	-43.0	1145	13.7	470	--	--	7.50
B1	11/16/79	-147	-44.8	1135	13.8	789	--	--	6.82
B1	11/16/79	-153	-46.6	1000	13.1	3800	--	--	7.60
B1	11/16/79	-159	-48.5	0900	13.6	4030	--	--	7.31
B1	11/16/79	-165	-50.3	1140	13.7	4500	--	--	--
B1	11/16/79	-173	-52.7	1130	13.8	9850	--	--	6.97
B1	11/17/79	-153	-46.6	1035	13.7	3890	--	--	--
B1	11/17/79	-159	-48.5	1030	16.2	3940	--	--	--
B1	11/20/79	-141	-43.0	1625	12.5	340	--	--	8.08
B1	11/20/79	-153	-46.6	1706	11.8	4070	--	--	7.80
B1	11/20/79	-165	-50.3	1624	12.4	4250	--	--	7.56
B1	11/20/79	-194	-59.1	1702	11.6	18000	--	--	6.80
B1	11/28/79	-122	-37.2	1300	12.9	420	--	--	7.70
B1	11/28/79	-129	-39.3	1235	12.5	410	--	--	7.80
B1	11/28/79	-135	-41.1	1250	12.5	430	--	--	7.80
B1	11/28/79	-141	-43.0	1245	12.6	440	--	--	7.70

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B1	11/28/79	-153	-46.6	1240	13.4	6500	--	--	7.35
B1	11/28/79	-159	-48.5	--	12.8	6500	--	--	7.20
B1	11/28/79	-165	-50.3	1230	12.5	4600	--	--	7.30
B1	11/28/79	-173	-52.7	1225	12.4	9300	--	--	7.00
B1	11/28/79	-194	-59.1	1220	12.9	23000	--	--	6.60
B1	11/28/79	-200	-61.0	1215	14.6	15500	--	--	6.90
B1	12/04/79	-3	-0.9	1150	12.8	219	--	--	6.10
B1	12/04/79	-15	-4.6	1140	12.6	1160	--	--	5.70
B1	12/04/79	-39	-11.9	1130	12.3	3250	--	--	5.70
B1	12/04/79	-51	-15.5	1120	12.3	98	--	--	6.20
B1	12/04/79	-63	-19.2	1110	12.2	103	--	--	6.70
B1	12/04/79	-75	-22.9	1100	12.2	127	--	--	6.70
B1	12/04/79	-87	-26.5	1050	12.2	210	--	--	7.10
B1	12/04/79	-99	-30.2	1040	12.3	236	--	--	7.70
B1	12/04/79	-110	-33.5	1030	12.2	220	--	--	7.70
B1	12/04/79	-122	-37.2	1020	12.2	223	--	--	7.80
B1	12/04/79	-135	-41.1	1010	12.1	4800	--	--	7.60
B1	12/04/79	-153	-46.6	1000	12.7	7500	--	--	7.40
B1	12/04/79	-159	-48.5	0950	12.1	6200	--	--	7.00
B1	12/04/79	-173	-52.7	0940	12.1	8000	--	--	6.80
B1	12/04/79	-200	-61.0	0930	12.1	9200	--	--	6.70
B2	10/02/79	0	0.0	1020	14.2	45540	--	--	--
B2	10/02/79	-5	-1.5	1010	14.2	36050	--	--	--
B2	10/02/79	-133	-40.5	1000	15.9	12580	--	--	--
B2	10/02/79	-140	-42.7	0950	16.8	19790	--	--	--
B2	10/02/79	-146	-44.5	0940	17.4	23780	--	--	--
B2	10/02/79	-158	-48.2	0930	15.8	18830	--	--	--
B2	10/04/79	0	0.0	1245	--	47400	--	--	7.47
B2	10/04/79	-5	-1.5	1240	--	31200	--	--	7.78
B2	10/04/79	-12	-3.7	1235	--	9720	--	--	8.31
B2	10/04/79	-18	-5.5	1230	--	7149	--	--	8.54
B2	10/04/79	-30	-9.1	1225	--	560	--	--	8.99
B2	10/04/79	-36	-11.0	1220	--	1675	--	--	8.51
B2	10/04/79	-42	-12.8	1215	--	590	--	--	8.70
B2	10/04/79	-49	-14.9	1212	--	910	--	--	7.82
B2	10/04/79	-55	-16.8	1210	--	705	--	--	8.17

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B2	10/04/79	-61	-18.6	1205	--	310	--	--	7.48
B2	10/04/79	-67	-20.4	1200	--	370	--	--	7.18
B2	10/04/79	-73	-22.3	1150	--	420	--	--	7.12
B2	10/04/79	-79	-24.1	1145	--	445	--	--	7.14
B2	10/04/79	-85	-25.9	1140	--	510	--	--	7.19
B2	10/04/79	-90	-27.4	1135	--	930	--	--	7.37
B2	10/04/79	-97	-29.6	1130	--	665	--	--	7.51
B2	10/04/79	-103	-31.4	1125	--	765	--	--	8.01
B2	10/04/79	-109	-33.2	1120	--	620	--	--	8.42
B2	10/04/79	-115	-35.1	1115	--	670	--	--	8.05
B2	10/04/79	-127	-38.7	1110	--	680	--	--	8.05
B2	10/04/79	-133	-40.5	1105	--	15549	--	--	7.36
B2	10/04/79	-140	-42.7	1100	--	24400	--	--	7.62
B2	10/04/79	-146	-44.5	1055	--	26540	--	--	7.52
B2	10/04/79	-158	-48.2	1050	--	30000	--	--	7.52
B2	10/04/79	-164	-50.0	1045	--	9840	--	--	7.28
B2	10/04/79	-170	-51.8	1040	--	3750	--	--	7.10
B2	10/04/79	-179	-54.6	1030	--	10800	--	--	6.78
B2	11/01/79	0	0.0	1750	13.5	41600	--	1.20	7.40
B2	11/01/79	-5	-1.5	1740	13.6	43500	--	.01	7.63
B2	11/01/79	-12	-3.7	1730	13.5	43500	--	.01	7.67
B2	11/01/79	-18	-5.5	1720	13.4	38400	--	.01	7.61
B2	11/01/79	-24	-7.3	1710	13.2	40000	--	--	7.37
B2	11/01/79	-30	-9.1	1700	13.2	16300	--	--	7.26
B2	11/01/79	-36	-11.0	1650	13.2	23000	--	.07	7.48
B2	11/01/79	-42	-12.8	1640	13.7	19100	--	.41	7.42
B2	11/01/79	-49	-14.9	1630	13.3	14000	--	.63	6.40
B2	11/01/79	-55	-16.8	1628	13.7	445	--	.11	7.31
B2	11/01/79	-61	-18.6	1625	12.9	320	--	.11	7.00
B2	11/01/79	-67	-20.4	1622	13.2	212	--	.13	7.14
B2	11/01/79	-73	-22.3	1620	13.4	940	--	.06	7.15
B2	11/01/79	-79	-24.1	1615	13.4	265	--	.06	7.22
B2	11/01/79	-85	-25.9	1612	12.8	345	--	.06	7.38
B2	11/01/79	-90	-27.4	1610	14.0	350	--	.06	7.48
B2	11/01/79	-97	-29.6	1600	14.0	410	--	.07	7.66
B2	11/01/79	-103	-31.4	1552	13.4	615	--	.06	7.96
B2	11/01/79	-109	-33.2	1550	14.0	520	--	.07	8.05
B2	11/01/79	-115	-35.1	1540	13.3	450	--	.01	7.68
B2	11/01/79	-121	-36.9	1530	13.4	415	--	.03	7.71
B2	11/01/79	-127	-38.7	1520	13.4	450	--	.06	7.78

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B2	11/01/79	-133	-40.5	1510	14.4	600	--	.02	8.09
B2	11/01/79	-140	-42.7	1500	14.6	23600	--	1.20	6.99
B2	11/01/79	-146	-44.5	1450	13.7	26200	--	2.60	7.05
B2	11/01/79	-152	-46.3	1440	14.0	36600	--	1.40	6.88
B2	11/01/79	-158	-48.2	1430	14.1	31099	--	2.40	7.20
B2	11/01/79	-164	-50.0	1420	13.7	9860	--	1.30	7.87
B2	11/01/79	-170	-51.8	1410	14.0	4760	--	6.40	7.47
B2	11/01/79	-179	-54.6	1400	13.0	10000	--	9.60	7.43
B2	11/06/79	-12	-3.7	1435	14.5	49000	134	--	6.90
B2	11/06/79	-24	-7.3	1430	14.6	32000	112	--	6.50
B2	11/06/79	-36	-11.0	1420	14.4	14000	70	--	6.50
B2	11/06/79	-49	-14.9	1410	14.3	590	84	--	6.30
B2	11/06/79	-115	-35.1	1400	14.6	480	--	--	7.20
B2	11/06/79	-127	-38.7	1350	14.6	440	--	--	7.70
B2	11/06/79	-133	-40.5	1340	14.8	630	256	--	7.90
B2	11/06/79	-140	-42.7	1330	16.0	13000	--	--	7.30
B2	11/06/79	-152	-46.3	1310	13.2	16500	134	1.00	7.50
B2	11/06/79	-158	-48.2	1320	14.6	18700	--	--	7.40
B2	11/06/79	-164	-50.0	1300	14.8	5700	390	.84	7.00
B2	11/06/79	-170	-51.8	1245	14.8	6800	329	5.80	6.60
B2	11/06/79	-179	-54.6	1610	13.4	8200	488	19.00	6.90
B2	11/07/79	-61	-18.6	1410	14.3	520	56	.13	5.80
B2	11/07/79	-73	-22.3	1400	14.4	160	96	.01	6.20
B2	11/07/79	-97	-29.6	1350	14.6	310	220	.03	7.30
B2	11/07/79	-109	-33.2	1340	14.4	520	268	.04	7.80
B2	11/07/79	-121	-36.9	1330	14.4	490	244	--	7.90
B2	11/07/79	-146	-44.5	1320	14.7	15000	134	2.10	7.10
B2	11/09/79	-127	-38.7	1520	14.0	408	--	--	7.90
B2	11/09/79	-133	-40.5	1515	13.7	525	--	--	8.39
B2	11/09/79	-140	-42.7	1510	14.6	9700	--	--	7.50
B2	11/09/79	-146	-44.5	1505	13.6	9900	--	--	7.60
B2	11/09/79	-152	-46.3	1500	13.9	9800	--	--	7.30
B2	11/09/79	-158	-48.2	1455	14.0	10300	--	--	7.60
B2	11/09/79	-164	-50.0	1450	13.9	13200	--	--	7.10
B2	11/09/79	-170	-51.8	1445	14.1	9300	--	--	6.90
B2	11/09/79	-179	-54.6	1440	14.2	13000	--	--	6.80

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B2	11/15/79	-140	-42.7	1130	12.6	8000	--	--	--
B2	11/15/79	-140	-42.7	1520	11.6	6600	--	--	--
B2	11/15/79	-146	-44.5	1120	12.6	20500	--	--	--
B2	11/15/79	-146	-44.5	1510	12.5	26400	--	--	--
B2	11/15/79	-158	-48.2	1110	12.2	33800	--	--	--
B2	11/15/79	-158	-48.2	1505	11.6	16000	--	--	--
B2	11/16/79	-127	-38.7	1000	13.7	429	--	--	--
B2	11/16/79	-133	-40.5	0950	14.0	1385	--	--	--
B2	11/16/79	-140	-42.7	0940	13.6	7700	--	--	7.86
B2	11/16/79	-146	-44.5	0930	13.6	27800	--	--	6.93
B2	11/16/79	-152	-46.3	0920	14.0	34500	--	--	7.25
B2	11/16/79	-158	-48.2	0910	13.6	30000	--	--	6.84
B2	11/16/79	-164	-50.0	0905	13.8	19000	--	--	--
B2	11/16/79	-170	-51.8	0900	13.8	9400	--	--	--
B2	11/17/79	-152	-46.3	1040	14.0	34500	--	--	--
B2	11/17/79	-158	-48.2	1030	13.6	30000	--	--	--
B2	11/17/79	-164	-50.0	1020	13.8	19000	--	--	--
B2	11/17/79	-170	-51.8	1010	13.8	9400	--	--	--
B2	11/18/79	-18	-5.5	1415	11.8	46600	--	--	7.56
B2	11/18/79	-30	-9.1	1410	11.3	11000	--	--	7.19
B2	11/18/79	-42	-12.8	1405	11.3	1600	--	--	7.63
B2	11/18/79	-55	-16.8	1400	10.2	24500	--	--	7.07
B2	11/18/79	-67	-20.4	1355	10.4	1760	--	--	7.29
B2	11/18/79	-79	-24.1	1350	12.1	310	--	--	7.20
B2	11/18/79	-90	-27.4	1345	12.2	380	--	--	7.68
B2	11/18/79	-103	-31.4	1340	12.1	397	--	--	8.19
B2	11/18/79	-115	-35.1	1335	12.2	487	--	--	8.00
B2	11/18/79	-127	-38.7	1330	12.5	417	--	--	7.75
B2	11/18/79	-140	-42.7	1325	11.8	3800	--	--	8.10
B2	11/18/79	-152	-46.3	1315	11.2	35250	--	--	7.20
B2	11/18/79	-158	-48.2	1310	11.0	35500	--	--	7.20
B2	11/18/79	-164	-50.0	1305	12.1	18000	--	--	7.30
B2	11/18/79	-170	-51.8	1300	11.6	24000	--	--	7.00
B2	11/28/79	-85	-25.9	1455	13.0	16000	--	--	6.20
B2	11/28/79	-97	-29.6	1450	13.0	390	--	--	7.70
B2	11/28/79	-109	-33.2	1445	12.9	--	--	--	8.20
B2	11/28/79	-121	-36.9	1440	12.5	420	--	--	7.50

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B2	11/28/79	-133	-40.5	1435	12.8	550	--	--	8.39
B2	11/28/79	-146	-44.5	1430	12.8	34500	--	--	7.20
B2	11/28/79	-158	-48.2	1425	13.1	47000	--	--	6.70
B2	11/28/79	-170	-51.8	1420	13.0	24000	--	--	6.60
B2	12/04/79	0	0.0	1005	11.6	45000	--	--	5.80
B2	12/04/79	-12	-3.7	1000	11.6	50000	--	--	6.70
B2	12/04/79	-24	-7.3	0955	11.8	42000	--	--	6.20
B2	12/04/79	-36	-11.0	0950	12.5	16500	--	--	5.30
B2	12/04/79	-49	-14.9	0945	11.8	12000	--	--	5.80
B2	12/04/79	-61	-18.6	0940	12.0	418	--	--	6.60
B2	12/04/79	-85	-25.9	0935	12.0	4000	--	--	6.60
B2	12/04/79	-97	-29.6	0930	11.8	4350	--	--	7.00
B2	12/04/79	-109	-33.2	0925	12.0	402	--	--	7.50
B2	12/04/79	-121	-36.9	0920	12.0	398	--	--	7.50
B2	12/04/79	-133	-40.5	0915	12.0	552	--	--	7.50
B2	12/04/79	-146	-44.5	0910	12.1	29000	--	--	6.90
B2	12/04/79	-158	-48.2	0905	12.0	38500	--	--	6.70
B2	12/04/79	-170	-51.8	0900	12.2	30000	--	--	6.60
B3	10/25/79	4	1.2	1410	13.8	260	--	--	6.70
B3	10/25/79	-1	-0.3	1400	13.6	315	--	--	6.50
B3	10/25/79	-5	-1.5	1350	13.2	250	--	--	6.60
B3	10/25/79	-11	-3.4	1340	13.0	275	--	--	6.65
B3	10/25/79	-16	-4.9	1330	13.0	240	--	--	6.80
B3	10/25/79	-21	-6.4	1320	13.0	235	--	--	6.70
B3	10/25/79	-26	-7.9	1310	12.8	225	--	--	6.70
B3	10/25/79	-31	-9.4	1300	13.3	262	--	--	6.10
B3	10/25/79	-36	-11.0	1250	13.1	266	--	--	6.60
B3	10/25/79	-41	-12.5	1240	14.1	260	--	--	6.40
B3	10/25/79	-46	-14.0	1230	13.3	255	--	--	6.80
B3	10/25/79	-51	-15.5	1220	13.2	265	--	--	6.80
B3	10/25/79	-57	-17.4	1210	13.2	260	--	--	7.05
B3	10/25/79	-63	-19.2	1200	13.0	240	--	--	6.90
B3	10/25/79	-69	-21.0	1150	13.2	290	--	--	6.85
B3	10/25/79	-75	-22.9	1140	13.0	325	--	--	7.00
B3	10/25/79	-81	-24.7	1130	13.0	340	--	--	6.80
B3	10/25/79	-87	-26.5	1120	13.2	385	--	--	7.10

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B3	10/25/79	-93	-28.3	1110	13.0	450	--	--	7.30
B3	10/25/79	-99	-30.2	1100	13.0	382	--	--	7.90
B3	10/25/79	-105	-32.0	1050	12.8	378	--	--	7.90
B3	10/25/79	-110	-33.5	1040	13.2	370	--	--	8.00
B3	10/25/79	-117	-35.7	1030	13.1	405	--	--	8.00
B3	10/25/79	-122	-37.2	1020	13.4	390	--	--	8.00
B3	10/25/79	-129	-39.3	1010	12.8	410	--	--	8.00
B3	10/25/79	-135	-41.1	1000	12.7	395	--	--	8.05
B3	10/25/79	-141	-43.0	0950	12.8	430	--	--	7.85
B3	10/25/79	-147	-44.8	0940	12.7	682	--	--	8.05
B3	10/25/79	-153	-46.6	0930	13.1	635	--	--	7.70
B3	10/25/79	-159	-48.5	0920	13.0	820	--	--	7.75
B3	10/25/79	-165	-50.3	0910	12.8	1200	--	--	7.70
B3	10/25/79	-171	-52.1	0900	12.7	1400	--	--	8.60
B3	10/31/79	4	1.2	1410	13.5	255	--	5.60	6.95
B3	10/31/79	-1	-0.3	1400	14.3	340	--	10.70	6.87
B3	10/31/79	-5	-1.5	1350	13.6	248	--	5.60	6.86
B3	10/31/79	-11	-3.4	1340	13.4	262	--	7.90	6.68
B3	10/31/79	-16	-4.9	1330	13.0	245	--	5.40	6.87
B3	10/31/79	-21	-6.4	1320	13.8	245	--	4.40	7.00
B3	10/31/79	-26	-7.9	1310	13.5	220	--	3.50	6.60
B3	10/31/79	-31	-9.4	1300	12.8	230	--	8.90	6.67
B3	10/31/79	-36	-11.0	1250	13.2	295	--	4.70	7.00
B3	10/31/79	-41	-12.5	1240	13.4	247	--	10.40	6.89
B3	10/31/79	-46	-14.0	1230	13.6	235	--	11.80	6.84
B3	10/31/79	-51	-15.5	1228	13.2	255	--	18.60	6.84
B3	10/31/79	-57	-17.4	1210	12.9	220	--	7.60	7.25
B3	10/31/79	-63	-19.2	1200	12.9	215	--	11.10	7.16
B3	10/31/79	-69	-21.0	1150	12.8	315	--	21.60	6.98
B3	10/31/79	-75	-22.9	1140	13.4	360	--	15.89	6.84
B3	10/31/79	-81	-24.7	1130	13.4	375	--	10.80	6.80
B3	10/31/79	-87	-26.5	1120	13.6	395	--	9.70	7.04
B3	10/31/79	-93	-28.3	1110	13.2	385	--	.90	7.63
B3	10/31/79	-99	-30.2	1100	13.2	370	--	.06	7.53
B3	10/31/79	-105	-32.0	1050	13.2	360	--	.07	7.30
B3	10/31/79	-110	-33.5	1040	13.2	388	--	--	7.15
B3	10/31/79	-117	-35.7	1030	13.3	380	--	--	7.13

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B3	10/31/79	-122	-37.2	1020	13.2	420	--	--	7.96
B3	10/31/79	-129	-39.3	1010	13.2	420	--	.01	7.96
B3	10/31/79	-135	-41.1	1000	13.2	390	--	.06	7.64
B3	10/31/79	-141	-43.0	0950	13.2	410	--	.06	7.12
B3	10/31/79	-147	-44.8	0940	13.6	645	--	.18	7.70
B3	10/31/79	-153	-46.6	0930	13.6	620	--	.29	7.31
B3	10/31/79	-159	-48.5	0920	13.2	800	--	1.10	7.47
B3	10/31/79	-165	-50.3	0910	13.1	1225	--	.81	7.40
B3	10/31/79	-171	-52.1	0900	13.4	1280	--	.89	7.63
B3	11/07/79	-11	-3.4	1630	12.6	254	--	8.90	5.99
B3	11/07/79	-21	-6.4	1620	12.4	226	--	4.50	6.09
B3	11/07/79	-31	-9.4	1610	12.6	234	--	18.00	6.06
B3	11/07/79	-36	-11.0	1600	12.6	290	--	5.10	6.19
B3	11/07/79	-41	-12.5	1550	12.8	254	--	12.00	6.03
B3	11/07/79	-46	-14.0	1540	12.8	227	--	14.00	6.01
B3	11/07/79	-51	-15.5	1530	12.8	245	--	21.00	6.05
B3	11/07/79	-57	-17.4	1510	13.2	220	--	7.10	6.15
B3	11/07/79	-63	-19.2	1400	13.4	252	--	13.00	6.63
B3	11/07/79	-69	-21.0	1350	13.8	330	--	22.00	6.48
B3	11/07/79	-75	-22.9	1330	13.4	360	--	15.00	6.55
B3	11/07/79	-81	-24.7	1315	13.8	374	--	11.00	6.45
B3	11/07/79	-87	-26.5	1240	13.2	410	--	5.80	6.72
B3	11/07/79	-93	-28.3	1215	14.1	396	--	.60	6.95
B3	11/07/79	-159	-48.5	1640	12.8	--	--	1.70	7.20
B3	11/08/79	-93	-28.3	1500	12.8	388	--	.43	7.80
B3	11/08/79	-99	-30.2	1445	12.8	380	--	.03	8.01
B3	11/08/79	-117	-35.7	1440	12.8	386	--	--	8.03
B3	11/16/79	-46	-14.0	0950	13.0	185	--	18.00	6.61
B3	11/16/79	-75	-22.9	0940	12.8	340	--	16.00	6.79
B3	11/16/79	-99	-30.2	0930	12.7	365	--	.07	7.64
B3	11/16/79	-117	-35.7	0920	12.6	410	--	.03	7.80
B3	11/16/79	-147	-44.8	0910	12.8	558	--	1.50	7.03
B3	11/16/79	-159	-48.5	0900	13.0	925	--	2.20	7.57

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B3	11/18/79	-46	-14.0	0950	11.2	240	--	22.00	6.80
B3	11/18/79	-75	-22.9	0940	10.7	330	--	14.00	6.92
B3	11/18/79	-99	-30.2	0930	11.3	390	--	.07	8.08
B3	11/18/79	-117	-35.7	0920	11.4	430	--	.07	8.01
B3	11/18/79	-147	-44.8	0910	11.4	550	--	.41	7.73
B3	11/18/79	-159	-48.5	0900	11.2	1080	--	1.40	7.66
B3	11/19/79	-46	-14.0	0950	12.4	190	--	21.00	7.10
B3	11/19/79	-75	-22.9	0940	12.5	260	--	13.00	7.00
B3	11/19/79	-99	-30.2	0930	12.6	310	--	.05	7.90
B3	11/19/79	-117	-35.7	0920	12.6	350	--	.04	7.90
B3	11/19/79	-147	-44.8	0910	12.5	450	--	.32	7.50
B3	11/19/79	-159	-48.5	0900	12.5	925	--	1.30	7.20
B3	11/20/79	-1	-0.3	1455	13.5	150	--	15.00	6.60
B3	11/20/79	-11	-3.4	1445	13.1	150	--	12.00	6.60
B3	11/20/79	-21	-6.4	1435	12.7	140	--	11.00	7.00
B3	11/20/79	-31	-9.4	1425	12.6	160	--	18.00	6.80
B3	11/20/79	-41	-12.5	1415	12.8	150	--	19.00	6.60
B3	11/20/79	-57	-17.4	1405	12.8	110	--	17.00	6.70
B3	11/20/79	-69	-21.0	1355	12.6	150	--	18.00	6.90
B3	11/20/79	-81	-24.7	1345	12.8	180	--	6.90	6.70
B3	11/20/79	-93	-28.3	1335	12.7	225	--	.04	7.90
B3	11/20/79	-110	-33.5	1325	12.6	230	--	.40	8.00
B3	11/20/79	-122	-37.2	1315	12.8	250	--	.01	7.90
B3	11/20/79	-129	-39.3	1305	12.8	225	--	.89	7.30
B3	11/20/79	-135	-41.1	1255	12.6	230	--	.70	7.40
B3	11/20/79	-141	-43.0	1245	12.8	250	--	.56	7.70
B3	11/20/79	-153	-46.6	1235	12.8	500	--	.22	7.70
B3	11/20/79	-165	-50.3	1225	12.8	4100	--	7.79	7.60
B3	11/27/79	-21	-6.4	1210	--	--	--	8.00	--
B3	11/27/79	-31	-9.4	1200	12.0	--	--	21.00	5.89
B3	11/27/79	-41	-12.5	1150	11.7	--	--	20.00	5.80
B3	11/27/79	-57	-17.4	1140	--	--	--	18.00	--
B3	11/27/79	-69	-21.0	1130	11.9	--	--	14.00	6.30
B3	11/27/79	-81	-24.7	1120	12.0	--	--	5.70	6.50
B3	11/27/79	-93	-28.3	1110	12.0	--	--	.20	7.50
B3	11/27/79	-110	-33.5	1100	--	--	--	.02	--
B3	11/27/79	-122	-37.2	1050	12.0	--	--	.08	7.70
B3	11/27/79	-129	-39.3	1040	12.0	--	--	.06	7.60

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B3	11/27/79	-135	-41.1	1030	12.1	--	--	.09	7.60
B3	11/27/79	-141	-43.0	1020	11.9	--	--	.16	7.20
B3	11/27/79	-147	-44.8	1010	11.9	--	--	.51	7.40
B3	11/27/79	-165	-50.3	1000	--	--	--	9.00	--
B3	12/04/79	-1	-0.3	1310	--	--	--	6.40	--
B3	12/04/79	-1	-0.3	1300	13.6	155	--	6.40	7.00
B3	12/04/79	-11	-3.4	1250	12.2	174	--	5.89	6.30
B3	12/04/79	-21	-6.4	1240	12.7	205	--	3.50	6.81
B3	12/04/79	-31	-9.4	1230	15.0	202	--	15.00	6.71
B3	12/04/79	-41	-12.5	1220	15.6	295	--	29.00	6.64
B3	12/04/79	-46	-14.0	1210	15.0	235	--	23.00	6.71
B3	12/04/79	-57	-17.4	1200	13.5	240	--	16.00	6.90
B3	12/04/79	-69	-21.0	1140	13.1	258	--	15.00	6.78
B3	12/04/79	-75	-22.9	1130	14.6	271	--	8.10	7.00
B3	12/04/79	-81	-24.7	1120	14.4	295	--	5.00	7.41
B3	12/04/79	-87	-26.5	1110	12.8	375	--	.55	8.13
B3	12/04/79	-93	-28.3	1100	13.6	412	--	.15	8.00
B3	12/04/79	-99	-30.2	1050	13.4	405	--	.04	8.10
B3	12/04/79	-110	-33.5	1040	14.2	359	--	--	8.26
B3	12/04/79	-117	-35.7	1030	13.8	390	--	--	8.20
B3	12/04/79	-122	-37.2	1020	13.2	411	--	.04	8.10
B3	12/04/79	-129	-39.3	1010	14.7	418	--	.04	7.76
B3	12/04/79	-135	-41.1	1000	14.5	425	--	.08	8.00
B3	12/04/79	-141	-43.0	0950	13.0	438	--	.14	7.57
B3	12/04/79	-147	-44.8	0940	13.2	472	--	.47	7.76
B3	12/04/79	-159	-48.5	0930	14.3	960	--	.98	7.81
B4	11/06/79	-157	-47.9	1525	13.8	870	--	.04	8.00
B4	11/08/79	-157	-47.9	1155	13.8	890	--	.70	7.00
B4	11/08/79	-157	-47.9	1210	13.5	870	--	.70	7.20
B4	11/08/79	-157	-47.9	1225	13.4	800	--	.66	7.20
B4	11/08/79	-157	-47.9	1240	13.7	800	--	.63	7.30
B4	11/08/79	-157	-47.9	1255	13.5	810	--	.71	7.40
B4	11/08/79	-157	-47.9	1325	13.5	800	--	.59	7.40
B4	11/08/79	-157	-47.9	1425	13.4	760	--	.46	7.50
B4	11/08/79	-157	-47.9	1615	12.9	--	--	.43	7.50

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B4	11/17/79	-157	-47.9	1125	--	--	--	.42	--
B4	11/17/79	-157	-47.9	1545	--	--	--	.38	--
B4	11/17/79	-157	-47.9	1705	--	--	--	.43	--
B4	11/19/79	-157	-47.9	1345	--	--	--	.31	--
B4	11/20/79	-157	-47.9	1015	--	--	--	.35	--
B4	11/20/79	-157	-47.9	1545	--	--	--	.28	--
B4	11/27/79	-157	-47.9	1530	--	--	--	.28	--
B4	11/28/79	-157	-47.9	1015	--	--	--	.21	--
B4[2/]	12/05/79	9	2.7	1100	--	--	--	.54	--
B4	12/05/79	-157	-47.9	1015	--	--	--	.22	--
P1	10/16/79	6	1.8	1400	15.5	260	--	1.29	5.48
P1	10/16/79	2	0.6	1410	15.0	266	--	22.00	6.16
P1	10/16/79	-2	-0.6	1420	14.2	240	--	21.60	6.40
P1	10/16/79	-6	-1.8	1430	13.5	302	--	30.00	6.34
P1	10/16/79	-10	-3.0	1440	13.4	348	--	36.40	6.53
P1	10/16/79	-14	-4.3	1450	13.2	232	--	30.60	6.65
P1	10/16/79	-18	-5.5	1500	13.0	210	--	25.30	6.64
P1	10/16/79	-22	-6.7	1510	13.0	221	--	25.60	6.70
P1	10/16/79	-26	-7.9	1520	13.2	215	--	23.10	6.77
P2	10/16/79	4	1.2	1000	14.9	167	--	2.07	6.02
P2	10/16/79	-1	-0.3	1015	14.4	152	--	.54	6.10
P2	10/16/79	-6	-1.8	1030	13.9	154	--	.80	6.17
P2	10/16/79	-11	-3.4	1045	12.8	156	--	1.03	6.22
P2	10/16/79	-16	-4.9	1100	12.5	159	--	1.38	6.41
P2	10/16/79	-21	-6.4	1115	--	--	--	.82	--
P2	10/16/79	-26	-7.9	1130	12.5	333	--	3.86	6.98
P2	10/16/79	-31	-9.4	1145	12.5	240	--	12.70	6.75
P2	10/16/79	-36	-11.0	1200	12.5	310	--	17.10	6.76
P2	10/16/79	-41	-12.5	1215	12.5	302	--	17.70	6.79
P2	10/31/79	-21	-6.4	1520	12.2	200	--	1.40	6.40

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
P2	10/31/79	-26	-7.9	1510	11.9	255	--	3.20	6.79
P2	10/31/79	-31	-9.4	1530	12.0	232	--	12.70	6.48
P2	10/31/79	-36	-11.0	1540	12.0	280	--	15.70	6.48
P2	10/31/79	-41	-12.5	1550	13.4	318	--	18.40	6.52
P2	11/06/79	-21	-6.4	1200	12.6	120	--	2.20	6.60
P2	11/06/79	-26	-7.9	1215	12.8	230	--	3.30	6.50
P2	11/06/79	-31	-9.4	1230	12.5	160	--	13.10	6.50
P2	11/06/79	-36	-11.0	1245	13.0	170	--	13.90	6.40
P2	11/06/79	-41	-12.5	1300	12.6	260	--	19.40	6.30
P2	11/16/79	-41	-12.5	1010	12.4	245	--	14.00	6.78
P2	11/18/79	-41	-12.5	1010	11.8	280	--	14.00	6.72
P2	11/19/79	-41	-12.5	1010	12.0	210	--	14.00	6.50
P2	11/20/79	-6	-1.8	1545	12.7	70	--	.60	6.20
P2	11/20/79	-16	-4.9	1555	12.1	80	--	1.20	6.70
P2	11/20/79	-26	-7.9	1605	11.9	150	--	1.40	6.90
P2	11/20/79	-36	-11.0	1615	11.8	110	--	13.00	6.80
P2	11/27/79	-6	-1.8	1320	12.4	--	--	.53	5.30
P2	11/27/79	-16	-4.9	1330	--	--	--	.78	--
P2	11/27/79	-26	-7.9	1300	--	--	--	4.10	--
P2	11/27/79	-36	-11.0	1310	--	--	--	12.00	--
P2	12/05/79	-6	-1.8	0900	11.8	124	--	.25	6.40
P2	12/05/79	-16	-4.9	0910	12.6	151	--	.54	6.10
P2	12/05/79	-21	-6.4	0920	12.1	175	--	.67	6.80
P2	12/05/79	-26	-7.9	0930	11.9	185	--	3.50	6.80
P2	12/05/79	-31	-9.4	0940	11.6	262	--	12.00	6.70
P2	12/05/79	-36	-11.0	0950	11.6	262	--	14.00	6.70
P2	12/05/79	-41	-12.5	1000	11.6	274	--	15.00	7.10

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
P3	10/17/79	13	4.0	1300	16.4	200	--	.37	5.33
P3	10/17/79	10	3.0	1310	15.8	210	--	3.20	6.04
P3	10/17/79	7	2.1	1320	15.0	179	--	7.70	6.03
P3	10/17/79	4	1.2	1330	14.8	198	--	8.00	6.17
P3	10/17/79	1	0.3	1340	14.6	174	--	9.30	6.12
P3	10/17/79	-2	-0.6	1350	13.8	271	--	18.70	6.05
P3	10/17/79	-7	-2.1	1400	13.4	235	--	19.10	6.24
P3	10/17/79	-12	-3.7	1410	13.4	340	--	31.00	6.32
P3	10/17/79	-17	-5.2	1420	13.4	207	--	27.39	6.57
P3	10/17/79	-22	-6.7	1430	13.4	164	--	20.70	6.68
P3	10/17/79	-27	-8.2	1440	13.6	200	--	28.20	6.76
P5	10/16/79	2	0.6	1200	15.4	152	--	.84	6.28
P5	10/16/79	-2	-0.6	1215	14.6	142	--	1.21	6.37
P5	10/16/79	-6	-1.8	1230	14.5	165	--	1.21	6.20
P5	10/16/79	-10	-3.0	1245	13.8	144	--	5.00	6.52
P5	10/16/79	-15	-4.6	1300	12.8	250	--	12.00	6.62
P5	10/16/79	-20	-6.1	1315	12.8	268	--	10.30	6.84
P5	10/16/79	-25	-7.6	1330	12.8	390	--	28.70	6.78
P5	10/16/79	-30	-9.1	1345	13.0	329	--	24.30	6.85
P5	10/16/79	-35	-10.7	1400	13.8	345	--	25.79	6.82
P5	11/01/79	-15	-4.6	1420	12.2	230	--	11.40	6.40
P5	11/01/79	-20	-6.1	1430	12.0	235	--	14.60	6.54
P5	11/01/79	-25	-7.6	1440	12.2	352	--	27.80	6.50
P5	11/01/79	-30	-9.1	1450	12.2	288	--	22.60	6.64
P5	11/01/79	-35	-10.7	1500	12.4	325	--	27.10	6.61
P5	11/06/79	-15	-4.6	1315	12.6	160	49	12.10	6.40
P5	11/06/79	-20	-6.1	1330	13.1	160	--	13.69	6.50
P5	11/06/79	-25	-7.6	1345	13.1	280	110	27.60	6.50
P5	11/06/79	-30	-9.1	1400	13.2	220	--	22.80	6.50
P5	11/06/79	-35	-10.7	1415	12.7	260	122	27.10	6.40
P5	11/09/79	-15	-4.6	1100	13.6	150	--	11.00	6.35
P5	11/09/79	-20	-6.1	1110	13.0	150	--	12.00	6.45
P5	11/09/79	-25	-7.6	1120	13.1	300	--	26.00	6.35
P5	11/09/79	-30	-9.1	1130	13.2	230	--	23.00	6.35
P5	11/09/79	-35	-10.7	1140	13.2	220	--	23.00	6.40

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
P5	11/16/79	-35	-10.7	1000	12.6	--	--	22.00	6.42
P5	11/18/79	-35	-10.7	0900	11.4	--	--	20.00	6.78
P5	11/19/79	-35	-10.7	1000	12.4	210	--	19.00	6.40
P5	11/20/79	-2	-0.6	1455	14.0	50	--	1.60	6.10
P5	11/20/79	-10	-3.0	1505	13.3	45	--	3.80	6.30
P5	11/20/79	-20	-6.1	1515	12.8	75	--	11.00	6.70
P5	11/20/79	-30	-9.1	1525	12.8	225	--	27.00	6.70
P5	11/28/79	-2	-0.6	1000	13.2	--	--	1.40	5.30
P5	11/28/79	-10	-3.0	1010	12.9	--	--	4.20	5.80
P5	11/28/79	-20	-6.1	1020	12.0	--	--	11.00	6.00
P5	11/28/79	-30	-9.1	1030	11.7	--	--	21.00	6.00
P5	12/05/79	-2	-0.6	1120	12.7	175	--	.84	5.50
P5	12/05/79	-10	-3.0	1130	12.8	133	--	4.60	5.89
P5	12/05/79	-20	-6.1	1140	12.2	162	--	8.80	6.00
P5	12/05/79	-30	-9.1	1150	12.0	338	--	26.00	6.00
P5	12/05/79	-35	-10.7	1200	12.0	324	--	29.00	5.89
P6	10/16/79	5	1.5	1600	16.4	300	--	7.71	6.10
P6	10/16/79	1	0.3	1610	15.8	410	--	15.60	6.19
P6	10/16/79	-3	-0.9	1620	15.2	440	--	34.30	6.24
P6	10/16/79	-7	-2.1	1630	14.5	369	--	33.40	6.38
P6	10/16/79	-11	-3.4	1640	14.0	410	--	45.00	6.57
P6	10/16/79	-17	-5.2	1650	13.5	246	--	29.70	6.78
P6	10/16/79	-21	-6.4	1700	13.2	211	--	25.70	6.90
P6	10/16/79	-26	-7.9	1710	13.2	213	--	23.00	6.78
P6	10/16/79	-31	-9.4	1720	13.4	217	--	17.30	6.95

Table 3.--Water-chemistry data collected during a pumping test of well B4, near Horsfall Beach, October 1979 through December 1979--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
P6	11/20/79	-3	-0.9	1615	14.2	250	--	33.00	6.10
P6	11/20/79	-11	-3.4	1625	13.6	225	--	38.00	6.40
P6	11/20/79	-21	-6.4	1635	12.9	125	--	24.00	6.80
P6	11/20/79	-31	-9.4	1645	12.9	100	--	14.00	6.80
P7	10/17/79	4	1.2	1140	15.0	150	--	2.90	5.78
P7	10/17/79	0	0.0	1150	14.4	131	--	6.10	5.81
P7	10/17/79	-4	-1.2	1200	13.8	280	--	22.60	5.86
P7	10/17/79	-8	-2.4	1210	13.4	324	--	30.10	6.12
P7	10/17/79	-13	-4.0	1220	13.2	490	--	58.49	6.16
P7	10/17/79	-18	-5.5	1230	13.0	590	--	66.40	6.24

1/ Sampled from 1-1/4 inch PVC pipe with screen at elevation ranging from -142 to -147 feet (-43.3 to -44.8 m).
2/ Water sampled at water table next to well.

Table 4.--Water-chemistry data collected from wells west of Saunders Lake, 1978-79

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	IRON DIS SOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
100E	03/08/79	-13	-4.0	1710	9.7	150	2.60	--	24
100S	03/08/79	-24	-7.3	1645	11.9	290	.08	6.10	57
250W	03/08/79	-9	-2.7	1815	11.2	160	.41	6.00	29
400N	03/08/79	-3	-.9	1740	10.3	130	.22	7.10	17
P11	08/02/78	8	2.4	1900	13.0	102	7.50	6.30	14
P11	08/02/78	6	1.8	1730	13.2	109	7.50	6.80	15
P11	08/02/78	1	0.3	1745	12.5	192	16.00	6.90	23
P11	08/02/78	-4	-1.2	1800	12.2	126	9.50	6.50	16
P11	08/02/78	-6	-1.8	1645	--	117	10.00	7.10	20
P11	08/02/78	-9	-2.7	1815	12.1	125	13.00	6.50	17
P11	08/02/78	-14	-4.3	1830	12.2	108	7.40	6.30	17
P11	08/02/78	-19	-5.8	1845	12.4	104	6.70	6.20	13
P8	07/14/78	-14	-4.3	1620	16.0	131	.28	5.70	--
P8	07/14/78	-19	-5.8	1630	15.5	127	.82	5.80	--
P8	07/14/78	-24	-7.3	1640	14.0	138	.56	5.90	--
P8	07/14/78	-29	-8.8	1655	14.0	115	1.90	6.20	--
P8	07/14/78	-34	-10.4	1703	14.0	120	3.20	6.30	--
P8	07/14/78	-39	-11.9	1600	14.0	125	4.80	6.10	--
P8	07/15/78	1	.3	1115	14.7	145	.26	5.80	--
P8	07/15/78	-4	-1.2	0903	15.0	137	.20	6.00	--
P8	07/15/78	-9	-2.7	0920	14.8	139	.26	5.80	--
P8	07/15/78	-14	-4.3	0935	14.5	136	.16	5.80	--
P8	07/15/78	-19	-5.8	0955	14.6	132	.29	5.80	--
P8	07/15/78	-24	-7.3	1015	12.4	124	.58	6.20	--
P8	07/15/78	-29	-8.8	1025	12.4	108	2.10	6.20	--
P8	07/15/78	-34	-10.4	1040	12.4	120	3.10	6.40	--
P8	07/15/78	-39	-11.9	1058	12.7	118	5.50	6.40	--
P8	08/02/78	1	.3	1430	14.0	126	.19	5.89	20
P8	08/02/78	-4	-1.2	1445	13.4	126	4.50	6.00	19
P8	08/02/78	-9	-2.7	1500	12.6	134	.23	6.00	19
P8	08/02/78	-14	-4.3	1515	12.4	115	.36	6.00	--
P8	08/02/78	-19	-5.8	1530	12.0	107	.26	6.20	12
P8	08/02/78	-24	-7.3	1545	11.6	130	.55	6.40	12
P8	08/02/78	-29	-8.8	1600	11.9	134	2.60	6.50	10
P8	08/02/78	-34	-10.4	1615	12.0	130	2.90	6.70	13
P8	08/02/78	-39	-11.9	1630	12.2	126	4.20	6.70	13
P8	03/08/79	PIT	1/	1457	12.4	106	.34	5.89	19
P8	03/08/79	6	1.8	1503	9.6	100	.37	6.00	20
P8	03/08/79	1	.3	1509	8.8	100	.41	6.10	19
P8	03/08/79	-4	-1.2	1515	8.5	100	.40	6.20	18
P8	03/08/79	-9	-2.7	1519	8.7	106	.38	6.20	20
P8	03/08/79	-14	-4.3	1524	8.3	108	.17	6.10	20
P8	03/08/79	-19	-5.8	1529	8.8	114	.21	6.10	21
P8	03/08/79	-24	-7.3	1534	8.3	124	.54	6.30	22
P8	03/08/79	-29	-8.8	1539	8.2	126	.98	6.40	24
P8	03/08/79	-34	-10.4	1544	9.0	148	4.80	6.40	25
P8	03/08/79	-39	-11.9	1549	9.8	190	5.50	6.50	24
TIDE	07/18/78	-6	-1.8	1130	13.8	135	4.80	6.50	18

1/ Samples collected from exposed water table near the well.

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
100W	03/23/78	-12	-3.7	1330	12.0	170	--	.35	6.70	2
200N	03/23/78	-15	-4.6	1300	10.5	410	--	27.00	6.40	5
200W	03/23/78	-12	-3.7	1400	--	239	--	.29	6.70	12
400W	03/23/78	-8	-2.4	1430	10.5	120	--	.03	6.30	22
B1	10/22/81	-87	-26.5	1829	12.8	318	117	.71	7.89	--
B1	10/22/81	-99	-30.2	1728	13.4	505	254	.23	8.32	--
B1	10/22/81	-129	-39.3	1535	14.9	487	239	.13	8.15	--
B1	10/22/81	-135	-41.1	1452	14.6	464	222	.15	8.25	--
B1	10/21/81	-147	-44.8	1842	14.3	1315	244	.25	7.55	--
B1	05/21/82	-15	-4.6	1203	12.9	88	20	.16	6.41	--
B1	05/21/82	-33	-10.1	1155	14.6	91	24	.39	6.28	--
B1	05/21/82	-51	-15.5	1131	14.6	139	43	1.10	6.41	--
B1	05/21/82	-63	-19.2	1121	13.5	177	48	.11	6.50	--
B1	05/21/82	-69	-21.0	1058	14.0	201	52	.31	6.52	--
B1	05/21/82	-75	-22.9	1026	12.8	192	79	.33	6.62	--
B1	05/20/82	-87	-26.5	1948	12.5	221	75	.59	7.20	--
B1	05/20/82	-99	-30.2	1930	13.7	311	145	.05	8.01	--
B1	05/20/82	-123	-37.5	1915	13.8	410	292	.03	8.01	--
B1	05/20/82	-129	-39.3	1840	14.0	410	301	.05	7.99	--
B1	05/20/82	-141	-43.0	1811	14.0	449	287	.12	8.10	--
B1	05/20/82	-147	-44.8	1753	14.7	562	324	--	7.63	--
B1	05/20/82	-153	-46.6	1735	15.6	3037	636	.33	7.60	--
B1	05/20/82	-159	-48.5	1718	15.1	3440	637	.32	7.50	--
B1	05/20/82	-165	-50.3	1701	15.0	3480	639	.61	7.45	--
B1	05/20/82	-173	-52.7	1642	17.0	6835	593	4.10	7.50	--
B1	05/20/82	-194	-59.1	1629	18.3	21142	419	27.00	6.79	--
B1	05/20/82	-200	-61.0	1523	17.2	19631	591	23.00	7.11	--
B2	07/23/80	-12	-3.7	1610	16.0	20000	--	--	7.60	--
B2	07/23/80	-24	-7.3	1600	16.0	17000	--	--	7.60	--
B2	07/23/80	-36	-11.0	1550	18.0	7000	--	--	6.80	--
B2	07/23/80	-49	-14.9	1540	18.0	300	--	--	6.80	--
B2	07/23/80	-61	-18.6	1530	17.0	200	--	--	6.80	--
B2	07/23/80	-79	-24.1	1520	18.0	750	--	--	6.70	--
B2	07/23/80	-90	-27.4	1510	16.0	400	--	--	7.20	--
B2	07/23/80	-97	-29.6	1500	17.0	475	--	--	7.40	--
B2	07/23/80	-109	-33.2	1430	17.0	475	--	--	7.40	--
B2	07/23/80	-121	-36.9	1420	18.0	475	--	--	7.40	--
B2	07/23/80	-133	-40.5	1410	19.0	475	--	--	7.50	--

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
B2	07/23/80	-140	-42.7	1400	15.0	475	--	--	7.40	--
B2	07/23/80	-146	-44.5	1350	16.0	1600	--	--	7.50	--
B2	07/23/80	-158	-48.2	1335	19.0	10500	--	--	7.50	--
B2	07/23/80	-170	-51.8	1315	17.5	12000	--	--	6.80	--
B2	05/21/82	-6	-1.8	1608	14.6	7788	131	.05	8.09	--
B2	05/21/82	-24	-7.3	1600	14.4	163	58	.03	8.71	--
B2	05/21/82	-30	-9.1	1505	14.6	183	29	.05	9.18	--
B2	05/21/82	-42	-12.8	1500	14.4	151	58	.02	7.70	--
B2	05/21/82	-79	-24.1	1443	16.0	199	58	.03	6.99	--
B2	05/21/82	-97	-29.6	1330	15.7	290	128	.07	7.81	--
B2	05/21/82	-103	-31.4	1433	15.4	317	148	.02	7.79	--
B2	05/21/82	-115	-35.1	1325	16.1	323	224	.02	7.72	--
B2	05/21/82	-121	-36.9	1256	15.4	499	382	.06	8.09	--
B2	05/21/82	-152	-46.3	1247	15.7	880	358	.03	8.80	--
B3	10/22/81	4	1.2	1845	12.2	342	88	36.00	6.80	--
B3	10/22/81	-1	-0.3	1824	13.6	242	46	11.00	6.50	--
B3	10/22/81	-6	-1.8	1800	12.9	183	34	5.20	6.20	--
B3	10/22/81	-16	-4.9	1600	12.4	166	36	3.00	6.40	--
B3	10/22/81	-21	-6.4	1630	12.4	178	34	2.80	6.40	--
B3	10/22/81	-31	-9.4	1445	12.6	175	39	11.00	6.90	--
B3	10/22/81	-36	-11.0	1422	12.6	230	74	2.40	7.20	--
B3	10/22/81	-41	-12.5	1353	12.6	244	76	25.00	6.70	--
B3	10/21/81	-57	-17.4	1754	12.7	241	42	19.00	7.00	--
B3	10/21/81	-63	-19.2	1724	12.8	321	104	24.00	6.90	--
B3	10/21/81	-75	-22.9	1625	13.0	236	108	7.30	7.10	--
B3	10/21/81	-99	-30.2	1429	13.3	310	201	.05	8.10	--
B3	10/21/81	-105	-32.0	1359	13.4	362	209	.03	8.10	--
B3	10/21/81	-117	-35.7	1323	13.5	338	196	.03	8.30	--
B3	10/21/81	-123	-37.5	1305	13.4	355	200	.08	8.10	--
B3	10/21/81	-135	-41.1	1229	13.6	414	236	.21	8.20	--
B3	05/19/82	4	1.2	1513	13.6	211	90	29.00	6.80	--
B3	05/19/82	-1	-0.3	1438	14.2	118	53	6.40	6.33	--
B3	05/19/82	-6	-1.8	1348	13.4	106	34	3.10	6.40	--
B3	05/19/82	-41	-12.5	1116	13.1	208	70	17.00	6.86	--
B3	05/18/82	-75	-22.9	2016	11.8	270	114	10.00	6.90	--
B3	05/18/82	-99	-30.2	1842	13.2	268	159	.01	8.30	--
B3	05/18/82	-117	-35.7	1646	13.8	378	273	.01	8.22	--
B3	05/19/82	-165	-50.3	1600	14.2	2322	--	--	--	--

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
B5	10/20/81	-45	-13.7	1348	14.4	172	102	26.00	6.43	--
B5	10/20/81	-70	-21.3	1413	14.5	305	154	12.00	7.08	--
B5	10/20/81	-75	-22.9	1435	14.0	284	156	11.00	7.11	--
B5	10/20/81	-155	-47.2	1610	14.2	246	124	.05	8.60	--
B5	10/23/81	-30	-9.1	1245	14.3	145	88	20.00	6.20	--
B5	10/23/81	-55	-16.8	1320	14.3	151	87	26.00	6.40	--
B5	10/23/81	-65	-19.8	1350	14.3	277	146	12.00	6.90	--
B5	10/23/81	-80	-24.4	1425	14.6	258	144	.80	7.60	--
B5	10/23/81	-90	-27.4	1450	14.3	332	180	.71	7.80	--
B5	10/23/81	-100	-30.5	1505	14.2	231	116	14.00	7.10	--
B5	10/23/81	-115	-35.1	1540	14.6	164	68	13.00	6.90	--
B5	10/23/81	-135	-41.1	1410	14.8	175	66	6.40	7.10	--
B5	10/23/81	-150	-45.7	1637	14.3	254	128	.10	8.10	--
B5	10/23/81	-165	-50.3	1655	14.3	277	152	.12	8.30	--
HB	03/23/78	-14	-4.3	1000	10.0	145	--	8.90	6.30	25
HB	03/23/78	-18	-5.5	1030	11.0	162	--	10.00	6.20	26
HB	03/23/78	-22	-6.7	1100	10.5	162	--	11.00	6.50	26
HB	03/23/78	-26	-7.9	1130	10.5	170	--	11.00	6.60	27
HB	03/23/78	-30	-10.7	1630	11.0	182	--	12.00	6.70	30
HB	03/23/78	-35	-9.1	1200	10.5	242	--	18.00	6.70	42
HB	07/18/78	-14	-4.3	1500	13.8	400	--	33.00	5.90	49
HB	07/18/78	-18	-5.5	1510	14.2	355	--	32.00	6.00	48
HB	07/18/78	-22	-6.7	1520	14.7	360	--	34.00	--	48
HB	07/18/78	-26	-7.9	1530	13.7	355	--	30.00	5.80	48
HB	07/18/78	-30	-10.7	1550	13.1	342	--	34.00	5.80	48
HB	07/18/78	-35	-9.1	1540	13.2	350	--	35.00	5.90	50
P1	06/21/78	6	1.8	1745	16.0	258	--	6.00	5.60	--
P1	06/21/78	2	0.6	1750	14.0	325	--	25.00	6.30	--
P1	06/21/78	-2	-0.6	1755	14.0	322	--	36.00	6.30	--
P1	06/21/78	-6	-1.8	1800	13.5	146	--	20.00	6.40	--
P1	06/21/78	-10	-3.0	1805	14.0	195	--	25.00	6.60	--
P1	06/21/78	-14	-4.3	1810	14.0	191	--	35.00	6.50	--
P1	06/21/78	-18	-5.5	1815	14.0	165	--	28.00	6.60	--
P1	06/21/78	-22	-6.7	1820	14.0	157	--	25.00	6.60	--
P1	06/21/78	-26	-7.9	1825	14.5	160	--	25.00	6.50	--

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P1	07/17/78	6	1.8	1610	17.2	225	--	2.10	5.30	54
P1	07/17/78	2	0.6	1600	16.2	650	--	47.00	3.50	85
P1	07/17/78	-2	-0.6	1550	15.4	242	--	21.00	6.00	31
P1	07/17/78	-6	-1.8	1540	15.2	205	--	21.00	5.90	27
P1	07/17/78	-10	-3.0	1530	15.4	310	--	29.00	5.40	41
P1	07/17/78	-14	-4.3	1520	15.4	295	--	39.00	5.90	23
P1	07/17/78	-18	-5.5	1510	15.8	240	--	24.00	5.70	29
P1	07/17/78	-22	-6.7	1500	15.6	225	--	26.00	3.50	24
P1	07/17/78	-26	-7.9	1446	15.8	242	--	24.00	6.00	26
P1	08/01/78	6	1.8	1830	14.6	177	--	2.30	5.40	40
P1	08/01/78	2	0.6	1845	13.5	585	--	42.00	6.00	88
P1	08/01/78	-2	-0.6	1900	13.4	218	--	18.00	6.30	23
P1	08/01/78	-6	-1.8	1915	13.0	210	--	21.00	6.30	19
P1	08/01/78	-10	-3.0	1930	12.7	299	--	28.00	6.50	33
P1	08/01/78	-14	-4.3	1945	12.6	259	--	32.00	6.50	17
P1	08/01/78	-18	-5.5	2000	12.6	232	--	26.00	6.60	19
P1	08/01/78	-22	-6.7	2015	12.6	211	--	23.00	6.70	15
P1	08/01/78	-26	-7.9	2030	12.6	224	--	22.00	6.80	17
P1	08/18/78	6	1.8	1240	15.5	580	--	18.00	5.50	62
P1	08/18/78	2	0.6	1245	14.2	580	--	44.00	6.10	100
P1	08/18/78	-2	-0.6	1250	13.6	225	--	20.00	6.40	33
P1	08/18/78	-6	-1.8	1255	13.2	195	--	18.00	6.50	27
P1	08/18/78	-10	-3.0	1300	13.0	295	--	27.00	6.65	43
P1	08/18/78	-14	-4.3	1305	13.0	255	--	34.00	6.65	26
P1	08/18/78	-18	-5.5	1310	13.0	225	--	25.00	6.60	26
P1	08/18/78	-22	-6.7	1315	13.1	205	--	23.00	6.70	23
P1	08/18/78	-26	-7.9	1320	13.1	225	--	24.00	6.70	29
P1	09/14/78	-2	-0.6	1630	14.4	255	20	27.00	6.40	25
P1	09/14/78	-6	-1.8	1640	14.0	178	19	21.00	6.55	22
P1	09/14/78	-10	-3.0	1650	13.7	300	20	34.00	6.70	42
P1	09/14/78	-18	-5.5	1710	13.6	200	19	24.00	6.80	26
P1	09/14/78	-22	-6.7	1720	13.8	202	31	32.00	6.90	18

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P1	10/18/78	6	1.8	1450	15.4	320	4	.54	4.90	75
P1	10/18/78	2	0.6	1505	14.8	401	34	27.00	6.10	31
P1	10/18/78	-2	-0.6	1515	14.3	162	57	14.00	6.20	16
P1	10/18/78	-6	-1.8	1525	13.9	209	52	20.00	6.20	27
P1	10/18/78	-14	-4.3	1545	13.4	300	91	39.00	6.45	37
P1	10/18/78	-18	-5.5	1555	13.2	206	65	24.00	6.50	27
P1	10/18/78	-22	-6.7	1605	13.0	192	87	24.00	6.55	18
P1	03/06/79	6	1.8	1410	9.9	230	--	.63	4.90	31
P1	03/06/79	2	0.6	1420	10.3	480	--	44.00	6.00	66
P1	03/06/79	-2	-0.6	1425	11.1	245	--	24.00	6.20	31
P1	03/06/79	-6	-1.8	1431	11.8	230	--	22.00	6.30	41
P1	03/06/79	-10	-3.0	1436	12.1	320	--	36.00	6.50	34
P1	03/06/79	-14	-4.3	1443	12.3	370	--	50.00	6.50	74
P1	03/06/79	-18	-5.5	1447	12.3	390	--	50.00	6.50	72
P1	03/06/79	-22	-6.7	1454	12.3	310	--	40.00	6.60	45
P2	08/03/78	4	1.2	1800	13.9	128	--	.42	6.40	28
P2	08/03/78	-1	-0.3	1815	14.0	171	--	.16	6.30	27
P2	08/03/78	-6	-1.8	1830	13.6	128	--	.14	6.30	29
P2	08/03/78	-11	-3.4	1845	13.0	118	--	.12	6.40	23
P2	08/03/78	-16	-4.9	1900	13.6	140	--	.19	6.60	27
P2	08/03/78	-21	-6.4	1915	13.6	141	--	.23	6.50	27
P2	08/03/78	-26	-7.9	1930	13.6	150	--	.40	6.80	25
P2	08/03/78	-31	-9.4	1945	13.6	142	--	3.50	6.90	27
P2	08/03/78	-36	-11.0	2000	13.4	142	--	5.50	7.00	27
P2	08/03/78	-41	-12.5	2015	13.1	142	--	4.50	7.00	28
P2	08/18/78	4	1.2	1050	15.8	165	--	1.20	6.15	28
P2	08/18/78	-1	-0.3	1057	14.8	175	--	.31	6.10	39
P2	08/18/78	-6	-1.8	1105	14.0	138	--	.35	6.25	29
P2	08/18/78	-11	-3.4	1110	13.5	127	--	.28	6.30	27
P2	08/18/78	-16	-4.9	1115	13.2	155	--	.32	6.55	22

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P2	08/18/78	-21	-6.4	1122	12.9	260	--	.11	6.95	39
P2	08/18/78	-26	-7.9	1130	12.8	225	--	.55	6.90	35
P2	08/18/78	-31	-9.4	1135	12.6	137	--	3.89	6.80	18
P2	08/18/78	-36	-11.0	1140	12.5	148	--	6.50	6.70	27
P2	08/18/78	-41	-12.5	1150	12.6	175	--	6.60	6.70	31
P2	09/14/78	-1	-0.3	1015	14.7	164	17	.86	6.10	34
P2	09/14/78	-6	-1.8	1025	14.2	142	15	.85	6.10	30
P2	09/14/78	-16	-4.9	1050	13.4	137	35	1.50	6.50	21
P2	09/14/78	-21	-6.4	1100	13.2	260	62	.37	7.14	42
P2	09/14/78	-26	-7.9	1110	13.2	205	52	1.20	7.10	28
P2	09/14/78	-31	-9.4	1125	13.1	144	28	6.60	7.10	32
P2	09/14/78	-41	-12.5	1150	13.6	165	24	8.40	7.14	26
P2	10/19/78	PIT[1/]	--	1115	13.5	630	4	5.29	4.79	190
P2	10/19/78	4	1.2	1130	15.1	182	37	3.60	5.85	33
P2	10/19/78	-1	-0.3	1140	14.5	172	17	1.10	5.80	37
P2	10/19/78	-6	-1.8	1150	14.0	154	20	1.20	5.95	32
P2	10/19/78	-11	-3.4	1200	13.5	142	24	1.40	6.00	27
P2	10/19/78	-16	-4.9	1230	13.3	151	37	2.10	6.20	24
P2	10/19/78	-26	-7.9	1315	12.8	177	52	.95	6.65	24
P2	10/19/78	-31	-9.4	1330	12.7	134	38	5.29	6.50	21
P2	10/19/78	-36	-11.0	1340	12.7	136	37	6.30	6.50	21
P2	03/05/79	4	1.2	1910	11.9	94	--	.36	6.10	18
P2	03/05/79	-1	-0.3	1920	9.8	105	--	.12	6.00	18
P2	03/05/79	-6	-1.8	1930	9.0	110	--	.20	6.00	19
P2	03/05/79	-11	-3.4	1940	9.0	110	--	.24	6.00	20
P2	03/05/79	-16	-4.9	1950	10.4	134	--	.43	6.30	21
P2	03/05/79	-21	-6.4	1955	11.2	163	--	1.20	6.30	26
P2	03/05/79	-26	-7.9	2005	11.4	165	--	3.50	6.40	26
P2	03/05/79	-31	-9.4	2010	11.4	165	--	7.10	6.40	28
P2	03/05/79	-36	-11.0	2020	11.3	155	--	7.90	6.60	23

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P2	05/20/82	-6	-1.8	1422	14.2	122	23	.28	6.00	--
P2	05/20/82	-21	-6.4	1320	12.1	156	48	1.60	6.60	--
P2	05/20/82	-41	-12.5	1221	13.1	153	53	5.80	6.82	--
P3	08/17/78	13	4.0	1045	15.9	265	--	7.20	5.70	--
P3	08/17/78	10	3.0	1105	15.2	285	--	11.00	6.00	--
P3	08/17/78	7	2.1	1115	14.5	275	--	9.40	6.10	--
P3	08/17/78	4	1.2	1125	14.2	207	--	8.30	6.20	--
P3	08/17/78	1	0.3	1135	13.9	146	--	6.00	6.30	--
P3	08/17/78	-2	-0.6	1145	13.4	220	--	11.00	6.20	--
P3	08/17/78	-7	-2.1	1155	13.3	165	--	13.00	6.30	--
P3	08/17/78	-12	-3.7	1205	13.3	235	--	17.00	6.40	--
P3	08/17/78	-17	-5.2	1215	13.4	275	--	26.00	6.40	--
P3	08/17/78	-22	-6.7	1225	13.7	310	--	21.00	6.30	--
P3	08/17/78	-27	-8.2	1235	13.6	315	--	18.00	6.30	--
P3	09/14/78	13	4.0	1830	16.8	262	3	5.00	5.80	49
P3	09/14/78	10	3.0	1840	15.8	235	1	9.70	6.15	33
P3	09/14/78	7	2.1	1845	14.8	245	17	12.00	6.20	24
P3	09/14/78	4	1.2	1850	14.2	213	8	12.00	6.20	20
P3	09/14/78	1	0.3	1855	13.8	375	1	27.00	6.05	34
P3	09/14/78	-2	-0.6	1900	13.5	215	34	14.00	6.15	35
P3	09/14/78	-7	-2.1	1905	13.4	212	24	22.00	6.30	28
P3	09/14/78	-12	-3.7	1910	13.3	280	31	31.00	6.30	31
P3	09/14/78	-17	-5.2	1955	13.4	182	29	21.00	6.00	21
P3	09/14/78	-22	-6.7	1920	13.3	144	29	9.30	6.20	28
P3	09/14/78	-27	-8.2	1930	13.4	180	39	16.00	6.20	23
P3	10/17/78	13	4.0	1700	16.2	225	20	3.60	5.65	35
P3	10/17/78	10	3.0	1715	15.5	243	37	8.50	5.70	34
P3	10/17/78	7	2.1	1725	14.9	349	41	12.00	5.80	21
P3	10/17/78	4	1.2	1735	14.5	374	33	18.00	5.85	28
P3	10/17/78	1	0.3	1745	14.0	318	38	20.00	5.80	34
P3	10/17/78	-2	-0.6	1755	13.7	219	59	15.00	5.89	32
P3	10/17/78	-7	-2.1	1805	13.4	416	60	50.00	6.00	37
P3	10/17/78	-12	-3.7	1815	13.1	344	80	36.00	6.15	26

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P3	10/17/78	-17	-5.2	1820	13.1	166	71	25.00	6.25	21
P3	10/17/78	-22	-6.7	1825	13.0	148	44	10.00	6.30	21
P3	10/17/78	-27	-8.2	1830	12.9	187	77	23.00	6.35	20
P3	03/07/79	13	4.0	1208	10.6	65	--	.53	5.50	10
P3	03/07/79	10	3.0	1214	10.3	75	--	1.70	5.89	11
P3	03/07/79	7	2.1	1219	10.8	88	--	2.30	6.30	9
P3	03/07/79	4	1.2	1225	11.6	270	--	12.00	6.10	22
P3	03/07/79	1	0.3	1232	12.1	300	--	17.00	6.10	--
P3	03/07/79	-2	-0.6	1232	12.2	215	--	13.00	6.10	35
P3	03/07/79	-7	-2.1	1244	12.8	285	--	26.00	6.20	32
P3	03/07/79	-12	-3.7	1251	12.8	215	--	20.00	6.40	23
P3	03/07/79	-17	-5.2	1258	12.9	210	--	29.00	6.60	28
P3	03/07/79	-22	-6.7	1304	12.7	117	--	9.80	6.50	16
P3	03/07/79	-27	-8.2	1310	12.6	185	--	27.00	6.70	22
P4	08/17/78	11	3.4	1840	14.0	175	--	8.60	5.70	--
P4	08/17/78	8	2.4	1900	13.5	200	--	38.00	5.90	--
P4	08/17/78	5	1.5	1915	13.1	220	--	17.00	6.00	--
P4	08/17/78	2	0.6	1920	12.9	255	--	21.00	6.00	--
P4	08/17/78	-1	-0.3	1930	12.7	330	--	28.00	6.00	--
P4	08/17/78	-4	-1.2	1940	12.4	205	--	15.00	6.20	--
P4	08/17/78	-9	-2.7	1945	12.3	157	--	11.00	6.30	--
P4	08/17/78	-14	-4.3	1950	12.8	210	--	14.00	6.20	--
P4	08/17/78	-19	-5.8	1955	12.9	230	--	17.00	6.30	--
P4	08/17/78	-24	-7.3	2000	12.9	240	--	19.00	6.30	--
P4	08/17/78	-29	-8.8	2010	12.9	245	--	20.00	6.30	--
P4	09/15/78	11	3.4	0905	15.1	115	--	9.00	5.50	--
P4	09/15/78	8	2.4	0915	14.8	190	--	25.00	5.50	--
P4	09/15/78	5	1.5	0925	14.6	146	--	17.00	5.60	--
P4	09/15/78	2	0.6	0930	14.2	180	--	20.00	5.70	--
P4	09/15/78	-1	-0.3	0935	13.7	182	--	23.00	5.60	--
P4	09/15/78	-4	-1.2	0945	13.6	225	--	22.00	5.40	--
P4	09/15/78	-9	-2.7	0950	13.4	187	--	16.00	5.80	--
P4	09/15/78	-14	-4.3	0955	13.6	118	--	11.00	6.00	--
P4	09/15/78	-19	-5.8	1000	13.5	118	--	15.00	5.80	--
P4	09/15/78	-24	-7.3	1005	13.7	124	--	12.00	6.10	--
P4	09/15/78	-29	-8.8	1015	13.6	114	--	11.00	6.10	--

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P4	10/17/78	PIT[1/]	--	0930	15.6	232	85	14.00	5.50	10
P4	10/17/78	11	3.4	1130	15.5	128	46	11.00	5.20	8
P4	10/17/78	8	2.4	1200	15.4	155	63	17.00	5.45	6
P4	10/17/78	5	1.5	1215	15.2	175	76	21.00	5.60	6
P4	10/17/78	2	0.6	1230	14.7	180	77	19.00	5.65	6
P4	10/17/78	-1	-0.3	1245	14.4	170	78	22.00	5.75	6
P4	10/17/78	-4	-1.2	1300	14.0	180	52	14.00	5.89	15
P4	10/17/78	-9	-2.7	1310	13.6	210	54	15.00	6.00	27
P4	10/17/78	-14	-4.3	1320	13.6	128	60	11.00	6.15	10
P4	10/17/78	-19	-5.8	1330	13.5	165	52	17.00	6.15	20
P4	10/17/78	-24	-7.3	1345	13.5	136	60	14.00	6.20	9
P4	10/17/78	-29	-8.8	1355	13.5	122	55	12.00	6.20	8
P4	03/07/79	13	4.0	0950	10.8	32	--	.13	5.60	5
P4	03/07/79	11	3.4	1000	9.8	64	--	1.60	5.40	7
P4	03/07/79	8	2.4	1007	10.2	114	--	13.00	5.40	9
P4	03/07/79	5	1.5	1013	9.6	118	--	13.00	5.70	6
P4	03/07/79	2	0.6	1018	9.9	132	--	14.00	5.70	8
P4	03/07/79	-1	-0.3	1024	11.2	146	--	17.00	5.60	6
P4	03/07/79	-4	-1.2	1031	11.8	148	--	17.00	5.70	9
P4	03/07/79	-9	-2.7	1039	12.3	170	--	12.00	6.00	25
P4	03/07/79	-14	-4.3	1045	12.4	170	--	16.00	6.10	15
P4	03/07/79	-19	-5.8	1050	12.4	142	--	18.00	6.20	13
P4	03/07/79	-24	-7.3	1055	12.4	117	--	15.00	6.40	9
P4	03/07/79	-29	-8.8	1100	12.3	114	--	14.00	6.40	9
P5	09/13/78	6	1.8	1015	15.5	195	--	4.20	5.90	--
P5	09/13/78	2	0.6	1030	14.4	195	--	.61	5.80	--
P5	09/13/78	-6	-1.8	1050	12.7	152	--	2.50	5.20	--
P5	09/13/78	-10	-3.0	1100	12.4	137	--	5.80	4.80	--
P5	09/13/78	-15	-4.6	1110	12.0	145	--	5.90	5.30	--
P5	09/13/78	-20	-6.1	1120	12.0	155	--	7.90	5.30	--
P5	09/13/78	-25	-7.6	1130	12.5	168	--	10.00	5.30	--
P5	09/13/78	-30	-9.1	1140	13.0	255	--	17.00	5.00	--
P5	09/13/78	-35	-10.7	1150	12.5	315	--	25.00	5.30	--

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P5	10/19/78	6	1.8	1630	15.2	320	20	7.90	6.10	--
P5	10/19/78	2	0.6	1640	14.3	222	34	2.00	5.90	--
P5	10/19/78	-2	-0.6	1650	13.6	185	32	2.80	5.70	--
P5	10/19/78	-6	-1.8	1700	13.0	136	34	4.20	5.80	--
P5	10/19/78	-10	-3.0	1710	12.6	152	33	8.30	6.20	--
P5	10/19/78	-15	-4.6	1720	12.3	134	40	6.80	6.40	--
P5	10/19/78	-20	-6.1	1730	12.1	210	30	14.00	6.40	--
P5	10/19/78	-25	-7.6	1735	12.0	250	30	19.00	6.40	--
P5	10/19/78	-30	-9.1	1740	12.0	288	89	27.00	6.40	--
P5	10/19/78	-35	-10.7	1750	12.3	299	104	26.00	6.50	--
P5	03/06/79	6	1.8	1028	9.7	100	--	.10	5.50	--
P5	03/06/79	2	0.6	1034	9.7	100	--	.63	5.50	--
P5	03/06/79	-2	-0.6	1043	10.1	132	--	.90	6.00	--
P5	03/06/79	-6	-1.8	1054	11.3	155	--	3.20	6.00	--
P5	03/06/79	-10	-3.0	1100	11.5	190	--	8.90	6.20	--
P5	03/06/79	-15	-4.6	1106	11.8	165	--	8.30	6.50	--
P5	03/06/79	-20	-6.1	1112	12.0	170	--	9.40	6.50	--
P5	03/06/79	-25	-7.6	1119	11.8	173	--	14.00	6.50	--
P5	03/06/79	-30	-9.1	1124	11.8	205	--	15.00	6.60	--
P5	03/06/79	-35	-10.7	1128	11.9	370	--	29.00	6.60	--
P6	09/14/78	PIT[1/]	--	1130	17.6	345	4	14.00	--	82
P6	09/14/78	5	1.5	1210	16.2	319	3	20.00	5.30	60
P6	09/14/78	1	0.3	1224	16.1	309	12	17.00	5.80	57
P6	09/14/78	-3	-0.9	1232	15.7	332	3	22.00	5.30	62
P6	09/14/78	-7	-2.1	1240	15.0	368	8	15.00	6.00	51
P6	09/14/78	-11	-3.4	1250	14.3	283	40	31.00	5.80	28
P6	09/14/78	-16	-4.9	1310	14.8	330	13	37.00	5.80	40
P6	09/14/78	-21	-6.4	1320	14.7	310	8	36.00	5.80	40
P6	09/14/78	-26	-7.9	1330	13.8	370	8	39.00	5.80	57
P6	09/14/78	-31	-9.4	1350	16.0	372	13	35.00	5.80	57
P6	10/18/78	PIT[1/]	--	1810	14.6	358	43	16.00	5.89	82
P6	10/18/78	5	1.5	1820	15.5	409	48	27.00	6.20	93
P6	10/18/78	1	0.3	1825	15.0	358	56	21.00	6.10	69
P6	10/18/78	-3	-0.9	1830	14.4	350	74	26.00	6.00	64
P6	10/18/78	-7	-2.1	1835	13.9	418	70	47.00	6.10	48
P6	10/18/78	-11	-3.4	1840	13.3	402	102	55.00	6.25	37
P6	10/18/78	-16	-4.9	1845	13.0	268	109	40.00	6.45	21
P6	10/18/78	-21	-6.4	1855	12.8	197	83	28.00	6.40	21

Table 5.--Water-chemistry data collected from wells near Horsfall Beach, and from wells B5 and 44, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CHLORIDE DISSOLVED (MG/L)
P6	10/18/78	-26	-7.9	1905	12.7	148	70	18.00	6.30	15
P6	10/18/78	-31	-9.4	1920	12.7	174	59	19.00	6.35	23
P6	03/07/79	5	1.5	1505	12.2	94	--	1.90	5.80	19
P6	03/07/79	1	0.3	1512	9.8	110	--	3.40	6.60	21
P6	03/07/79	-3	-0.9	1519	10.0	124	--	5.50	6.60	20
P6	03/07/79	-7	-2.1	1525	11.0	112	--	6.40	6.60	17
P6	03/07/79	-11	-3.4	1533	11.8	378	--	31.00	6.60	82
P6	03/07/79	-16	-4.9	1539	12.4	420	--	54.00	6.80	52
P6	03/07/79	-21	-6.4	1545	12.5	235	--	30.00	6.80	22
P6	03/07/79	-26	-7.9	1551	12.5	180	--	20.00	6.80	18
P6	03/07/79	-31	-9.4	1558	12.4	165	--	13.00	6.90	17
P7	09/13/78	8	2.4	1615	16.5	215	1	8.60	4.44	33
P7	09/13/78	4	1.2	1625	15.8	215	1	8.60	4.75	31
P7	09/13/78	0	0.0	1630	14.8	165	20	8.90	4.60	28
P7	09/13/78	-4	-1.2	1635	14.3	155	34	14.00	4.40	24
P7	09/13/78	-8	-2.4	1645	13.8	355	1	34.00	4.60	30
P7	09/13/78	-13	-4.0	1650	13.8	295	1	25.00	4.55	33
P7	09/13/78	-18	-5.5	1655	14.0	235	15	22.00	4.69	30
P7	10/18/78	PIT[1]	--	1130	16.5	351	50	14.00	5.40	42
P7	10/18/78	8	2.4	1145	16.3	211	37	13.00	5.70	35
P7	10/18/78	4	1.2	1155	15.7	142	48	6.40	5.75	14
P7	10/18/78	0	0.0	1205	15.3	193	41	11.00	5.60	27
P7	10/18/78	-4	-1.2	1215	14.4	413	28	39.00	5.70	31
P7	10/18/78	-8	-2.4	1225	14.0	308	48	26.00	5.89	44
P7	10/18/78	-13	-4.0	1235	14.0	219	79	20.00	6.10	22
P7	10/18/78	-18	-5.5	1245	13.5	249	70	23.00	6.20	32
P7	03/06/79	8	2.4	1609	9.8	100	--	.12	5.40	17
P7	03/06/79	4	1.2	1618	9.7	90	--	3.70	6.00	10
P7	03/06/79	0	0.0	1626	10.6	180	--	5.50	6.00	33
P7	03/06/79	-4	-1.2	1633	11.4	175	--	14.00	6.00	20
P7	03/06/79	-8	-2.4	1641	12.2	440	--	45.00	6.20	38
P7	03/06/79	-13	-4.0	1648	12.4	400	--	46.00	6.30	42
P7	03/06/79	-18	-5.5	1655	12.3	265	--	25.00	6.40	23

1/ Sampled from exposed water table near the well.

Table 6.--Water-chemistry analyses from wells in areas west of Saunders Lake and near Horsfall Beach, 1978-82

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	HARDNESS (MG/L AS CACO3)	PH (UNIT)	MEASURED EH (MVOLTS)	DISSOLVED IRON (MG/L)	DISSOLVED POTASSIUM (MG/L)	DISSOLVED CALCIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED SILICA (MG/L)	DISSOLVED SODIUM (MG/L)	DISSOLVED CHLORIDE (MG/L)	DISSOLVED OXYGEN (MG/L)
205	06/02/75	-138	-42.1	2100	11.5	420	215	1700	8.39	--	1.50	12.0	35.0	--	5.6	13	17	27	--
205	10/20/78	-138	-42.1	1430	13.7	400	328	180	8.1	--	.18	14.0	39.0	20.0	3.6	15	16	22	--
43	10/23/81	both screens1/		--	--	261	113	98	6.90	--	11.00	5.3	26.0	8.0	16.0	26	13	19	--
43	03/19/82	lower screen1/		1940	13.0	307	187	110	7.00	104	9.10	6.9	26.0	9.8	17.0	29	13	19	.75
44	10/18/81	both screens1/		--	--	276	113	100	6.80	--	10.00	7.1	22.0	11.0	14.0	24	15	20	--
44	03/20/82	lower screen1/		1405	13.4	268	163	100	7.10	--	5.90	7.9	23.0	11.0	11.0	29	14	22	--
B1	10/23/81	-15	-4.6	1430	14.9	135	33	21	6.71	191	.66	3.6	1.9	4.0	6.0	14	18	23	1.20
B1	10/23/81	-33	-10.1	1357	14.5	159	31	21	6.41	185	2.20	3.8	1.5	4.3	<5.0	15	20	32	1.17
B1	10/23/81	-51	-15.5	1318	14.5	211	55	42	6.52	172	2.70	5.2	1.8	9.0	6.0	23	20	28	1.46
B1	10/23/81	-69	-21.0	1251	14.5	402	214	170	8.15	81	.09	10.0	26.0	26.0	9.0	24	18	25	1.26
B1	10/23/81	-75	-22.9	1233	14.5	188	81	53	6.91	162	.85	4.9	7.5	8.3	<5.0	34	17	18	1.38
B1	10/23/81	-81	-24.7	1158	15.3	221	111	73	7.05	153	.97	5.0	11.0	11.0	<5.0	37	18	22	1.67
B1	10/22/81	-93	-28.3	1750	13.1	496	252	190	8.12	78	.59	5.4	28.0	30.0	6.0	32	25	20	.99
B1	10/22/81	-111	-33.8	1650	13.8	556	290	240	8.25	139	.14	6.2	30.0	39.0	<5.0	26	21	24	1.07
B1	10/22/81	-123	-37.5	1601	14.3	458	164	180	8.18	165	.12	10.0	26.0	27.0	<5.0	24	18	21	3.35
B1	10/22/81	-141	-43.0	1425	16.6	506	226	160	8.10	132	.18	16.0	33.0	20.0	<5.0	17	20	30	2.85
B1	10/21/81	-153	-46.6	1740	14.0	7230	518	420	7.49	119	.84	48.0	52.0	71.0	60.0	20	1500	2200	1.06
B1	10/21/81	-159	-48.5	1717	14.4	8020	488	440	7.35	108	.67	51.0	54.0	75.0	37.0	22	1600	2400	1.13
B1	10/21/81	-165	-50.3	1653	15.0	8349	502	430	7.23	105	2.30	52.0	52.0	74.0	38.0	23	1800	2800	1.11
B1	10/21/81	-173	-52.7	1628	15.4	13953	420	1100	6.93	118	12.00	76.0	120.0	190.0	90.0	24	2200	4200	1.10
B1	10/21/81	-194	-59.1	1556	15.8	20706	290	2700	6.81	137	26.00	90.0	400.0	420.0	310.0	31	3800	8100	1.10
B1	10/21/81	-200	-61.0	1520	16.8	18520	464	2100	7.12	93	17.00	80.0	360.0	280.0	25.0	34	3000	6500	1.25
B2	10/24/81	-6	-1.8	1332	14.4	8780	134	1100	8.36	141	.04	83.0	86.0	220.0	430.0	5	1900	3300	--
B2	10/24/81	-24	-7.3	1310	12.4	5967	80	3	8.59	165	.05	5.1	.3	.6	20.0	8	120	140	--
B2	10/24/81	-30	-9.1	1247	12.7	363	60	2	9.51	241	.05	4.6	.2	.3	<5.0	5	88	100	--
B2	10/23/81	-42	-12.8	1638	14.0	225	64	1	7.89	125	.05	2.3	.2	.1	9.0	16	46	36	1.49
B2	10/24/81	-79	-24.1	1342	12.8	351	110	5	7.43	170	.07	5.3	1.2	.5	<5.0	41	56	24	--
B2	10/23/81	-97	-29.6	1610	14.8	468	290	220	7.99	134	.10	8.3	19.0	43.0	<5.0	31	30	41	1.25
B2	10/23/81	-115	-35.1	1547	14.5	402	216	180	8.19	115	.06	6.3	25.0	29.0	8.0	26	22	38	1.47
B2	10/23/81	-121	-36.9	1535	15.4	432	231	200	8.00	103	.10	9.8	27.0	31.0	7.0	24	20	27	1.85
B3	11/27/79	-26	-7.9	--	12.5	--	46	--	6.40	--	5.00	3.1	4.0	10.0	5.6	--	26	49	--
B3	11/27/79	-46	-14.0	--	12.0	--	55	--	6.90	--	26.00	4.4	5.7	5.2	--	--	16	52	--
B3	11/27/79	-69	-21.0	--	11.9	--	87	--	6.30	--	15.00	4.8	9.8	7.6	--	--	15	20	--
B3	11/27/79	-99	-30.2	--	12.5	--	100	--	8.05	--	.06	3.7	33.0	22.0	--	--	15	18	--
B3	11/27/79	-147	-44.8	--	11.9	--	240	--	7.40	--	.48	18.4	24.0	22.0	--	--	30	26	--
B3	10/22/81	-11	-3.4	1734	12.5	185	32	37	6.40	225	4.10	2.3	3.9	6.5	8.0	12	19	44	.20
B3	10/22/81	-26	-7.9	1505	12.5	159	32	29	6.40	230	1.50	2.4	3.1	5.2	5.0	14	21	40	.20
B3	10/22/81	-51	-15.5	1236	12.7	263	81	37	6.80	134	35.00	4.4	6.6	5.1	9.0	28	19	47	.20
B3	10/21/81	-69	-21.0	1650	12.9	268	82	60	6.80	164	23.00	4.6	11.0	7.9	5.0	35	17	59	.20
B3	10/21/81	-81	-24.7	1555	13.1	199	87	58	7.00	174	5.30	4.1	9.2	8.4	12.0	39	15	22	.30
B3	10/21/81	-87	-26.5	1527	13.3	359	206	160	8.10	134	.36	4.8	32.0	20.0	5.0	32	17	22	.20
B3	10/21/81	-93	-28.3	1500	13.2	372	206	180	8.30	204	.08	4.0	41.0	20.0	5.0	30	16	24	.20
B3	10/21/81	-111	-33.8	1347	13.5	343	210	160	8.40	244	.04	4.7	22.0	26.0	5.0	25	17	11	.20
B3	10/21/81	-129	-39.3	1245	13.4	394	233	180	8.20	184	.07	11.0	21.0	31.0	5.0	21	19	20	.20
B3	10/20/81	-147	-44.8	1800	12.9	491	244	110	7.60	164	.55	12.0	21.0	15.0	5.0	17	65	46	.90

Table 6.--Water-chemistry analyses from wells in areas west of Saunders Lake and near Horsfall Beach, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	HARDNESS (MG/L AS CACO3)	PH (UNIT)	MEASURED EH (MVOLTS)	DISSOLVED IRON (MG/L)	DISSOLVED POTASSIUM (MG/L)	DISSOLVED CALCIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED SILICA (MG/L)	DISSOLVED SODIUM (MG/L)	DISSOLVED CHLORIDE (MG/L)	DISSOLVED OXYGEN (MG/L)
B3	10/20/81	-153	-46.6	1730	13.1	692	324	130	7.70	174	.43	19.0	19.0	19.0	5.0	19	110	78	.10
B3	10/20/81	-159	-48.5	1700	13.1	945	348	110	7.60	104	1.10	20.0	14.0	18.0	5.0	21	160	130	--
B3	10/20/81	-165	-50.3	1617	13.3	5915	442	410	7.00	134	4.50	48.0	54.0	68.0	60.0	19	1400	2100	1.00
B3	10/20/81	-171	-52.1	1600	--	10900	451	580	7.00	--	--	55.0	79.0	93.0	120.0	25	1700	2900	--
B3	05/19/82	-16	-4.9	1254	12.7	132	53	19	6.48	192	3.80	1.7	2.0	3.3	6.0	10	16	20	.66
B3	05/19/82	-31	-9.4	1201	12.6	141	39	13	6.92	114	9.80	2.3	1.7	2.1	1.6	13	16	26	.15
B3	05/19/82	-51	-15.5	1600	13.4	240	54	44	6.47	179	14.00	3.1	8.3	5.7	8.0	24	17	46	.35
B3	05/19/82	-63	-19.2	1010	13.0	253	73	50	6.93	104	16.00	4.0	6.6	8.1	8.0	28	15	45	.15
B3	05/18/82	-81	-24.7	1639	13.6	254	97	83	6.83	139	5.80	4.8	15.0	11.0	22.0	38	16	38	.15
B3	05/18/82	-87	-26.5	1934	12.4	283	154	110	8.17	80	.12	3.6	21.0	14.0	<5.0	32	14	20	.10
B3	05/18/82	-111	-33.8	1739	13.5	424	329	200	8.25	154	.01	4.9	29.0	32.0	<5.0	24	18	24	.10
B3	05/18/82	-135	-41.1	1551	14.1	392	269	160	8.23	78	.14	14.0	24.0	24.0	<5.0	20	14	18	.13
B3	05/18/82	-153	-46.6	1501	14.5	582	359	98	7.70	58	.75	15.0	16.0	14.0	<5.0	18	90	56	.15
B3	05/18/82	-159	-48.5	1340	14.4	867	465	100	7.60	58	.93	21.0	13.0	17.0	<5.0	20	160	130	.15
B3	05/18/82	-171	-52.1	1231	14.2	2683	562	320	7.60	38	2.00	33.0	42.0	51.0	24.0	21	470	740	.14
B4	11/21/79	-157	-47.9	0830	12.8	326	--	130	7.70	--	.25	17.0	22.0	19.0	1.3	20	44	37	--
B4	12/04/79	-157	-47.9	0930	12.0	280	--	150	7.85	--	.18	29.0	23.0	22.0	1.1	22	30	28	--
B5	10/20/81	-10	-3.0	1215	15.3	196	88	30	6.79	170	2.70	3.5	6.0	3.6	7.0	16	29	13	--
B5	10/19/81	-30	-9.1	0342	13.8	199	84	30	6.42	199	18.00	2.8	5.1	4.2	10.0	20	17	18	--
B5	10/18/81	-55	-16.8	2412	13.7	184	95	21	6.49	184	28.00	2.4	3.5	3.0	5.0	23	12	13	--
B5	10/18/81	-65	-19.8	2338	13.7	348	166	120	7.03	154	14.00	4.5	24.0	15.0	26.0	35	16	16	--
B5	10/18/81	-80	-24.4	2134	14.4	413	236	190	7.71	83	.15	5.2	31.0	27.0	5.0	34	15	15	.25
B5	10/18/81	-90	-27.4	2243	13.6	310	138	120	7.99	78	.58	5.4	31.0	9.4	5.0	36	16	29	--
B5	10/18/81	-100	-30.5	2313	13.8	199	80	41	7.15	124	11.00	5.0	8.2	5.1	16.0	34	14	24	--
B5	10/19/81	-115	-35.1	0034	13.9	188	111	36	7.01	154	14.00	4.2	6.4	4.8	19.0	38	14	23	--
B5	10/18/81	-135	-41.1	0109	13.7	249	122	66	7.20	119	7.10	6.2	15.0	6.9	21.0	43	15	28	--
B5	10/20/81	-140	-42.7	1544	14.0	255	106	93	7.78	73	.75	7.3	21.0	9.8	5.0	42	14	32	--
B5	10/19/81	-150	-45.7	0139	14.1	296	138	130	8.05	114	.09	7.1	28.0	14.0	5.0	24	11	22	--
B5	10/19/81	-165	-50.3	0228	13.8	315	148	120	8.52	82	.13	12.0	28.0	12.0	5.0	19	14	18	--
B5	10/19/81	-170	-51.8	0317	13.9	461	216	100	8.49	85	.28	15.0	23.0	11.0	5.0	22	47	37	--
B5	03/20/82	-10	-3.0	0207	12.3	228	134	64	6.45	175	6.30	3.4	11.0	8.8	7.0	14	17	21	.40
B5	03/20/82	-30	-9.1	0110	12.7	183	76	26	6.16	184	21.00	3.0	3.4	4.2	11.0	17	12	21	.85
B5	03/20/82	-55	-16.8	0021	13.1	190	101	25	6.38	154	27.00	2.4	3.4	4.0	8.0	21	12	21	.40
B5	03/19/82	-65	-19.8	2326	13.0	187	110	16	6.45	169	29.00	2.4	2.6	2.3	14.0	22	13	15	1.25
B5	03/19/82	-70	-21.3	2234	12.9	244	139	70	6.58	154	12.00	4.9	13.0	9.0	13.0	29	13	21	1.80
B5	03/18/82	-80	-24.4	1529	13.5	296	191	120	6.99	89	8.90	5.5	24.0	14.0	8.0	38	15	16	.50
B5	03/19/82	-90	-27.4	1547	13.4	364	219	150	7.58	59	1.50	6.3	24.0	22.0	19.0	39	16	18	.30
B5	03/19/82	-100	-30.5	1323	13.6	382	207	150	7.66	44	1.50	5.9	28.0	20.0	34.0	37	15	18	.45
B5	03/19/82	-115	-35.1	1207	13.7	372	208	150	7.50	56	3.10	5.1	43.0	11.0	21.0	35	16	21	1.00
B5	03/18/82	-135	-41.1	2330	13.0	364	258	130	7.18	59	14.00	6.6	32.0	13.0	5.0	33	16	17	.55
B5	03/18/82	-140	-42.7	2231	13.1	333	206	82	6.91	84	26.00	8.2	13.0	12.0	6.0	32	18	29	.30
B5	03/18/82	-150	-45.7	1839	13.0	241	137	87	8.08	62	.06	6.1	19.0	9.5	5.0	37	12	20	.30
B5	03/18/82	-165	-50.3	1712	13.3	299	193	120	8.54	52	.03	12.0	28.0	12.0	5.0	19	11	18	.90
B5	03/17/82	-170	-51.8	2044	14.2	392	268	120	8.15	43	.26	14.0	27.0	12.0	5.0	21	26	24	1.75
B5	03/18/82	mixture2/		1352	14.7	322	217	110	7.91	41	4.40	10.0	24.0	13.0	--	27	21	23	1.75

Table 6.--Water-chemistry analyses from wells in areas west of Saunders Lake and near Horsfall Beach, 1978-82--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	BICARBONATE (MG/L AS HCO3)	HARDNESS (MG/L AS CACO3)	PH (UNIT)	MEASURED EH (MVOLTS)	DISSOLVED IRON (MG/L)	DISSOLVED POTASSIUM (MG/L)	DISSOLVED CALCIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED SILICA (MG/L)	DISSOLVED SODIUM (MG/L)	DISSOLVED CHLORIDE (MG/L)	DISSOLVED OXYGEN (MG/L)
HB	06/03/75	-34	-10.4	0820	11.0	240	28	42	7.90	--	20.00	3.3	10.0	--	2.0	16	17	29	--
NTW	07/14/78	-26	-7.9	2005	12.5	135	37	22	6.40	--	1.00	1.7	2.4	3.9	4.4	15	16	18	--
NTW	07/15/78	-26	-7.9	1105	11.8	124	36	21	6.00	--	.99	1.7	2.0	3.9	3.5	15	16	18	--
P1	09/14/78	6	1.8	1600	16.4	300	32	39	5.10	--	.21	1.3	6.2	5.7	24.0	19	38	57	--
P1	09/14/78	2	0.6	1615	15.0	415	19	36	6.15	--	28.00	3.9	5.6	5.4	24.0	26	43	76	--
P1	09/14/78	-14	-4.3	1700	13.6	280	46	42	6.80	--	41.00	3.0	9.0	4.7	17.0	21	18	24	--
P1	09/14/78	-26	-7.9	1730	13.4	225	37	29	6.95	--	24.00	3.3	3.3	5.0	.3	22	15	24	--
P1	10/18/78	-10	-3.0	1535	13.6	323	80	49	6.40	--	32.00	3.0	10.0	5.8	5.7	17	20	51	--
P1	10/18/78	-26	-7.9	1615	12.9	234	83	49	6.55	--	26.00	3.4	10.0	5.8	.9	19	17	30	--
P1	03/06/79	-26	-7.9	1458	12.4	250	25	57	6.70	--	28.00	3.5	13.0	6.0	2.0	20	16	34	--
P2	09/14/78	4	1.2	1000	15.8	185	25	34	6.10	--	4.10	2.9	5.6	4.7	6.1	11	20	31	--
P2	09/14/78	-11	-3.4	1040	13.7	138	17	18	6.30	--	.82	2.0	2.3	3.0	7.4	11	17	23	--
P2	09/14/78	-36	-11.0	1135	13.7	153	19	17	7.00	--	8.70	3.0	1.8	3.0	2.6	15	15	32	--
P2	10/19/78	-21	-6.4	1245	12.9	234	59	66	6.65	--	1.10	3.5	14.0	7.5	11.0	15	21	36	--
P2	10/19/78	-41	-12.5	1350	12.6	151	40	24	6.50	--	6.80	3.1	4.1	3.4	6.6	15	16	24	--
P2	03/05/79	-41	-12.5	2025	11.4	210	14	31	6.70	--	12.00	3.9	7.7	2.8	2.5	14	19	41	--
P41A	03/08/79	-129	-39.3	1310	13.0	1090	353	180	8.00	--	.46	14.0	45.0	16.0	5.7	22	160	160	--
P44	10/20/78	-138	-42.1	1400	14.2	3210	784	230	7.70	--	.30	24.0	50.0	25.0	7.9	24	250	260	--
P45	03/09/79	-138	-42.1	1210	13.0	375	182	130	7.90	--	.44	13.0	23.0	18.0	3.0	17	25	29	--

1/ Production well, see table 9 for screen elevations.
2/ Sample is an equal mix of water from two tube screens at -170 and -80 feet elevation (51.8 and 24.4 meters).

Table 7.--Water-chemistry data from profile well B5, 1981-83

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	08/27/81	0	0.0	13.9	140	64	.67	6.75
B5	08/27/81	-10	-3.0	13.9	220	64	.55	7.00
B5	08/27/81	-20	-6.1	13.9	125	68	11.00	6.30
B5	08/27/81	-30	-9.1	14.9	140	94	16.25	6.41
B5	08/27/81	-40	-12.2	14.9	170	102	23.75	6.30
B5	08/27/81	-45	-13.7	14.8	170	88	19.50	6.40
B5	08/27/81	-50	-15.2	15.0	160	74	29.00	6.25
B5	08/27/81	-55	-16.8	15.1	170	98	34.75	6.49
B5	08/27/81	-60	-18.3	15.3	145	80	27.50	6.45
B5	08/27/81	-65	-19.8	15.3	210	130	15.00	6.80
B5	08/27/81	-70	-21.3	15.3	215	136	12.00	6.99
B5	08/27/81	-75	-22.9	13.8	170	130	12.00	7.10
B5	08/27/81	-80	-24.4	14.0	225	154	1.55	7.49
B5	08/27/81	-85	-25.9	14.3	220	148	1.25	7.60
B5	08/27/81	-90	-27.4	14.4	185	116	.70	7.60
B5	08/27/81	-100	-30.5	13.8	130	64	10.00	7.20
B5	08/27/81	-105	-32.0	14.0	130	56	12.75	7.00
B5	08/27/81	-115	-35.1	14.4	135	60	13.50	6.82
B5	08/27/81	-125	-38.1	14.3	150	66	15.25	6.90
B5	08/27/81	-135	-41.1	14.7	140	60	11.25	7.00
B5	08/27/81	-140	-42.7	14.4	140	72	1.25	7.40
B5	08/27/81	-145	-44.2	14.2	175	104	.32	7.80
B5	08/27/81	-150	-45.7	14.4	120	68	.30	8.50
B5	08/27/81	-155	-47.2	14.7	180	114	.15	8.40
B5	08/27/81	-165	-50.3	14.5	200	130	.22	8.50
B5	08/27/81	-170	-51.8	14.8	270	164	.20	8.70

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	08/31/81	0	0.0	14.9	110	70	.22	6.52
B5	08/31/81	-10	-3.0	13.9	130	100	.82	6.81
B5	08/31/81	-20	-6.1	14.3	80	60	10.50	6.35
B5	08/31/81	-30	-9.1	14.1	90	70	13.50	6.40
B5	08/31/81	-40	-12.2	14.2	115	88	26.00	6.35
B5	08/31/81	-45	-13.7	14.3	145	110	33.00	6.50
B5	08/31/81	-50	-15.2	14.5	130	78	30.00	6.50
B5	08/31/81	-55	-16.8	14.8	130	86	30.25	6.40
B5	08/31/81	-60	-18.3	14.8	125	86	33.00	6.50
B5	08/31/81	-65	-19.8	14.9	135	142	15.25	6.71
B5	08/31/81	-70	-21.3	14.9	185	138	12.25	6.95
B5	08/31/81	-75	-22.9	15.1	170	140	12.00	6.90
B5	08/31/81	-80	-24.4	15.2	210	150	2.00	7.45
B5	08/31/81	-85	-25.9	15.3	205	152	.71	7.61
B5	08/31/81	-90	-27.4	15.1	175	114	.62	7.80
B5	08/31/81	-100	-30.5	15.1	120	70	10.50	7.25
B5	08/31/81	-105	-32.0	15.1	120	62	12.50	7.00
B5	08/31/81	-115	-35.1	15.1	135	60	18.75	6.90
B5	08/31/81	-125	-38.1	15.2	130	60	19.25	6.88
B5	08/31/81	-135	-41.1	15.7	145	66	9.00	7.05
B5	08/31/81	-140	-42.7	15.4	130	72	5.25	7.45
B5	08/31/81	-145	-44.2	15.5	210	126	.32	7.80
B5	08/31/81	-150	-45.7	15.8	150	80	.11	8.15
B5	08/31/81	-155	-47.2	16.1	185	110	.12	8.11
B5	08/31/81	-165	-50.3	15.5	200	130	.14	8.40
B5	08/31/81	-170	-51.8	15.8	295	166	.05	8.50

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/01/81	0	0.0	15.4	120	70	.16	6.50
B5	09/01/81	-10	-3.0	14.5	150	96	.86	6.90
B5	09/01/81	-20	-6.1	14.4	100	60	11.60	6.51
B5	09/01/81	-30	-9.1	14.4	115	70	16.75	6.50
B5	09/01/81	-40	-12.2	14.4	125	86	27.75	6.49
B5	09/01/81	-45	-13.7	14.6	150	110	33.75	6.49
B5	09/01/81	-50	-15.2	14.7	145	74	32.25	6.31
B5	09/01/81	-55	-16.8	14.7	130	80	32.50	6.50
B5	09/01/81	-60	-18.3	14.7	135	86	35.00	6.51
B5	09/01/81	-65	-19.8	14.8	200	142	15.50	6.81
B5	09/01/81	-70	-21.3	14.9	195	136	15.25	6.99
B5	09/01/81	-75	-22.9	15.1	190	140	14.50	6.92
B5	09/01/81	-80	-24.4	15.1	225	146	1.65	7.50
B5	09/01/81	-85	-25.9	15.2	230	148	1.15	7.70
B5	09/01/81	-90	-27.4	15.2	175	116	.59	7.90
B5	09/01/81	-100	-30.5	15.0	180	66	12.00	7.20
B5	09/01/81	-105	-32.0	14.9	130	60	12.50	7.00
B5	09/01/81	-115	-35.1	15.1	140	58	15.75	6.73
B5	09/01/81	-125	-38.1	15.2	140	60	17.00	6.85
B5	09/01/81	-135	-41.1	15.3	160	68	9.25	6.99
B5	09/01/81	-140	-42.7	15.3	140	76	1.10	7.51
B5	09/01/81	-145	-44.2	15.3	200	124	.26	8.05
B5	09/01/81	-150	-45.7	15.4	160	86	.09	8.20
B5	09/01/81	-155	-47.2	15.4	185	110	.07	8.41
B5	09/01/81	-165	-50.3	15.4	210	128	.13	8.50
B5	09/01/81	-170	-51.8	15.4	290	168	.15	.87

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/02/81	0	0.0	14.7	120	78	.80	--
B5	09/02/81	-10	-3.0	14.2	170	98	2.00	--
B5	09/02/81	-20	-6.1	13.9	100	90	11.00	6.90
B5	09/02/81	-30	-9.1	14.1	110	70	14.00	6.65
B5	09/02/81	-40	-12.2	13.9	135	84	17.50	6.65
B5	09/02/81	-45	-13.7	14.1	160	114	31.25	6.60
B5	09/02/81	-50	-15.2	14.4	145	80	35.00	6.50
B5	09/02/81	-55	-16.8	14.3	140	78	32.50	6.60
B5	09/02/81	-60	-18.3	14.5	140	86	33.50	6.55
B5	09/02/81	-65	-19.8	14.6	220	142	13.75	6.90
B5	09/02/81	-70	-21.3	14.7	135	130	12.00	6.99
B5	09/02/81	-75	-22.9	14.7	125	144	13.00	7.00
B5	09/02/81	-80	-24.4	14.8	255	152	1.75	7.45
B5	09/02/81	-85	-25.9	14.6	255	150	1.45	7.65
B5	09/02/81	-90	-27.4	14.6	220	118	.65	7.70
B5	09/02/81	-100	-30.5	14.5	150	68	11.00	7.00
B5	09/02/81	-105	-32.0	14.7	140	60	11.50	6.90
B5	09/02/81	-115	-35.1	14.7	150	60	13.75	6.90
B5	09/02/81	-125	-38.1	14.8	150	60	14.00	6.85
B5	09/02/81	-135	-41.1	15.3	180	68	7.60	6.95
B5	09/02/81	-140	-42.7	14.8	160	80	1.00	7.30
B5	09/02/81	-145	-44.2	15.3	230	130	.35	7.75
B5	09/02/81	-150	-45.7	15.3	175	90	.25	7.70
B5	09/02/81	-155	-47.2	15.3	205	118	.04	8.10
B5	09/02/81	-165	-50.3	15.3	230	130	.05	8.15
B5	09/02/81	-170	-51.8	15.3	320	170	.21	8.30

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/03/81	0	0.0	14.7	155	64	.10	6.50
B5	09/03/81	-10	-3.0	13.7	185	90	.98	6.80
B5	09/03/81	-20	-6.1	13.8	110	60	12.50	6.40
B5	09/03/81	-30	-9.1	13.8	130	70	17.25	6.70
B5	09/03/81	-40	-12.2	13.8	150	80	27.00	6.52
B5	09/03/81	-45	-13.7	13.9	180	104	31.00	6.51
B5	09/03/81	-50	-15.2	13.9	165	80	32.00	6.30
B5	09/03/81	-55	-16.8	14.3	160	80	31.25	6.40
B5	09/03/81	-60	-18.3	14.3	160	84	33.75	6.41
B5	09/03/81	-65	-19.8	14.7	250	148	16.00	6.71
B5	09/03/81	-70	-21.3	14.7	250	130	14.75	6.99
B5	09/03/81	-75	-22.9	14.8	250	146	15.00	6.90
B5	09/03/81	-80	-24.4	14.8	275	152	1.50	7.50
B5	09/03/81	-85	-25.9	14.9	275	148	1.25	7.65
B5	09/03/81	-90	-27.4	14.6	230	116	.61	7.75
B5	09/03/81	-100	-30.5	14.4	150	66	11.75	7.10
B5	09/03/81	-105	-32.0	14.6	145	56	13.75	6.90
B5	09/03/81	-115	-35.1	14.6	155	60	17.00	6.89
B5	09/03/81	-125	-38.1	14.7	160	60	16.00	6.80
B5	09/03/81	-135	-41.1	15.0	180	68	9.50	6.95
B5	09/03/81	-140	-42.7	14.6	160	76	.75	7.40
B5	09/03/81	-145	-44.2	15.2	240	116	.27	7.90
B5	09/03/81	-150	-45.7	15.3	180	90	.15	8.05
B5	09/03/81	-155	-47.2	15.4	200	112	.08	8.30
B5	09/03/81	-165	-50.3	15.2	235	130	.18	8.35
B5	09/03/81	-170	-51.8	15.3	325	160	.13	8.42

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/04/81	0	0.0	14.8	160	68	.12	6.40
B5	09/04/81	-10	-3.0	13.8	170	88	1.60	6.90
B5	09/04/81	-20	-6.1	13.7	110	58	13.75	6.43
B5	09/04/81	-30	-9.1	13.8	125	68	17.50	6.20
B5	09/04/81	-40	-12.2	13.8	145	84	26.25	6.30
B5	09/04/81	-45	-13.7	13.9	170	98	30.50	6.40
B5	09/04/81	-50	-15.2	14.1	155	78	30.75	6.32
B5	09/04/81	-55	-16.8	14.1	155	80	33.00	6.40
B5	09/04/81	-60	-18.3	14.3	155	88	34.50	6.40
B5	09/04/81	-65	-19.8	14.7	245	146	16.25	6.85
B5	09/04/81	-70	-21.3	14.7	240	134	14.50	6.93
B5	09/04/81	-75	-22.9	14.6	245	150	15.00	6.85
B5	09/04/81	-80	-24.4	14.5	265	168	1.32	7.50
B5	09/04/81	-85	-25.9	14.8	270	150	1.25	7.61
B5	09/04/81	-90	-27.4	14.8	230	140	.64	7.90
B5	09/04/81	-100	-30.5	14.6	150	64	15.25	7.20
B5	09/04/81	-105	-32.0	14.7	150	60	14.50	6.85
B5	09/04/81	-115	-35.1	14.3	155	58	16.50	6.85
B5	09/04/81	-125	-38.1	14.4	160	58	17.00	6.80
B5	09/04/81	-135	-41.1	14.8	180	68	9.00	6.85
B5	09/04/81	-140	-42.7	14.5	160	76	.78	7.45
B5	09/04/81	-145	-44.2	14.7	230	120	.31	7.71
B5	09/04/81	-150	-45.7	14.7	180	90	.17	8.05
B5	09/04/81	-155	-47.2	14.9	200	112	.09	8.40
B5	09/04/81	-165	-50.3	14.9	225	134	.20	8.31
B5	09/04/81	-170	-51.8	14.9	330	170	.23	8.40

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/09/81	0	0.0	14.2	160	66	.41	6.40
B5	09/09/81	-10	-3.0	14.2	160	88	1.42	6.90
B5	09/09/81	-20	-6.1	14.0	105	60	13.50	6.50
B5	09/09/81	-30	-9.1	14.1	140	88	19.50	6.40
B5	09/09/81	-40	-12.2	14.3	140	80	26.25	6.45
B5	09/09/81	-45	-13.7	14.3	155	98	29.00	6.49
B5	09/09/81	-50	-15.2	14.5	150	80	32.50	6.39
B5	09/09/81	-55	-16.8	14.4	150	84	31.75	6.43
B5	09/09/81	-60	-18.3	14.4	150	84	33.00	6.39
B5	09/09/81	-65	-19.8	14.9	230	150	16.25	6.80
B5	09/09/81	-70	-21.3	14.7	240	136	16.00	6.95
B5	09/09/81	-75	-22.9	14.7	240	150	15.25	6.90
B5	09/09/81	-80	-24.4	14.9	270	170	1.38	7.70
B5	09/09/81	-85	-25.9	14.8	260	142	1.28	7.81
B5	09/09/81	-90	-27.4	14.8	220	120	.65	8.10
B5	09/09/81	-100	-30.5	14.7	150	70	10.50	7.30
B5	09/09/81	-105	-32.0	14.9	140	60	13.75	7.00
B5	09/09/81	-115	-35.1	14.6	150	60	16.75	7.00
B5	09/09/81	-125	-38.1	14.8	150	58	17.00	6.88
B5	09/09/81	-135	-41.1	15.1	180	70	9.25	6.90
B5	09/09/81	-140	-42.7	15.0	165	80	3.75	7.50
B5	09/09/81	-145	-44.2	15.1	225	114	.23	7.80
B5	09/09/81	-150	-45.7	15.1	185	102	.12	8.10
B5	09/09/81	-155	-47.2	15.2	200	116	.03	8.32
B5	09/09/81	-165	-50.3	15.2	230	130	.17	8.25
B5	09/09/81	-170	-51.8	15.3	330	172	.17	8.22

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/10/81	0	0.0	14.6	150	64	.25	6.40
B5	09/10/81	-10	-3.0	13.5	155	90	1.45	6.65
B5	09/10/81	-20	-6.1	13.4	100	60	13.25	6.50
B5	09/10/81	-30	-9.1	13.6	140	78	17.00	6.35
B5	09/10/81	-40	-12.2	13.8	140	84	27.25	6.42
B5	09/10/81	-45	-13.7	13.9	155	90	27.75	6.55
B5	09/10/81	-50	-15.2	14.1	155	86	32.25	6.45
B5	09/10/81	-55	-16.8	14.2	150	80	32.50	6.52
B5	09/10/81	-60	-18.3	14.4	150	80	32.25	6.42
B5	09/10/81	-65	-19.8	14.6	240	144	15.25	6.80
B5	09/10/81	-70	-21.3	14.8	245	138	15.75	6.90
B5	09/10/81	-75	-22.9	14.7	240	146	15.50	6.95
B5	09/10/81	-80	-24.4	15.0	270	162	3.25	7.75
B5	09/10/81	-85	-25.9	14.7	260	150	1.24	7.81
B5	09/10/81	-90	-27.4	14.8	210	112	.61	8.12
B5	09/10/81	-100	-30.5	14.9	150	66	13.25	7.80
B5	09/10/81	-105	-32.0	14.8	140	60	13.75	6.92
B5	09/10/81	-115	-35.1	14.9	155	58	16.75	6.75
B5	09/10/81	-125	-38.1	15.1	155	58	16.25	6.78
B5	09/10/81	-135	-41.1	15.4	175	120	9.25	6.85
B5	09/10/81	-140	-42.7	14.9	160	76	.72	7.55
B5	09/10/81	-145	-44.2	15.3	220	116	.23	7.90
B5	09/10/81	-150	-45.7	15.4	190	94	.05	8.05
B5	09/10/81	-155	-47.2	15.4	210	120	.04	8.21
B5	09/10/81	-165	-50.3	15.2	230	128	.17	8.32
B5	09/10/81	-170	-51.8	15.8	340	198	.17	8.25

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/11/81	0	0.0	14.7	145	60	.31	6.50
B5	09/11/81	-10	-3.0	13.7	145	80	1.48	6.80
B5	09/11/81	-20	-6.1	13.6	105	58	13.25	6.70
B5	09/11/81	-30	-9.1	13.7	140	80	19.50	6.10
B5	09/11/81	-40	-12.2	13.7	140	80	25.75	6.35
B5	09/11/81	-45	-13.7	13.7	145	90	28.25	6.21
B5	09/11/81	-50	-15.2	13.8	150	84	32.00	6.11
B5	09/11/81	-55	-16.8	13.8	140	84	31.25	6.25
B5	09/11/81	-60	-18.3	13.9	150	80	33.00	6.29
B5	09/11/81	-65	-19.8	14.0	230	144	15.75	6.55
B5	09/11/81	-70	-21.3	14.0	240	134	16.00	6.71
B5	09/11/81	-75	-22.9	14.0	235	154	15.75	6.65
B5	09/11/81	-80	-24.4	14.1	265	162	3.00	7.23
B5	09/11/81	-85	-25.9	14.2	260	156	1.34	7.42
B5	09/11/81	-90	-27.4	14.1	220	120	.64	7.72
B5	09/11/81	-100	-30.5	13.9	140	70	14.00	7.00
B5	09/11/81	-105	-32.0	14.1	140	60	14.00	6.82
B5	09/11/81	-115	-35.1	14.0	150	58	17.00	6.61
B5	09/11/81	-125	-38.1	14.1	155	56	18.00	6.60
B5	09/11/81	-135	-41.1	14.3	175	68	12.00	6.80
B5	09/11/81	-140	-42.7	14.2	160	80	.73	7.15
B5	09/11/81	-145	-44.2	14.5	225	116	.27	7.81
B5	09/11/81	-150	-45.7	14.5	190	100	.16	8.02
B5	09/11/81	-155	-47.2	14.6	210	120	.08	8.10
B5	09/11/81	-165	-50.3	14.4	230	130	.19	8.12
B5	09/11/81	-170	-51.8	14.4	325	170	.22	8.01

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/14/81	0	0.0	14.7	140	60	.43	6.35
B5	09/14/81	-10	-3.0	13.7	150	82	1.56	6.50
B5	09/14/81	-20	-6.1	13.4	105	58	13.75	6.30
B5	09/14/81	-30	-9.1	13.5	135	84	20.50	6.30
B5	09/14/81	-40	-12.2	13.4	135	82	26.25	6.30
B5	09/14/81	-45	-13.7	13.4	140	86	27.75	6.35
B5	09/14/81	-50	-15.2	13.4	145	84	32.00	6.30
B5	09/14/81	-55	-16.8	13.7	145	82	31.75	6.45
B5	09/14/81	-60	-18.3	13.6	150	86	34.50	6.31
B5	09/14/81	-65	-19.8	13.8	230	140	16.25	6.59
B5	09/14/81	-70	-21.3	13.8	230	134	15.25	6.75
B5	09/14/81	-75	-22.9	13.7	230	154	15.75	6.70
B5	09/14/81	-80	-24.4	13.7	255	160	2.75	7.30
B5	09/14/81	-85	-25.9	13.8	240	152	1.29	7.15
B5	09/14/81	-90	-27.4	13.8	210	120	.53	7.55
B5	09/14/81	-100	-30.5	13.7	135	68	12.75	7.12
B5	09/14/81	-105	-32.0	13.8	135	58	14.00	6.80
B5	09/14/81	-115	-35.1	14.0	150	58	17.00	6.72
B5	09/14/81	-125	-38.1	14.1	150	58	17.00	6.80
B5	09/14/81	-135	-41.1	14.6	175	66	9.25	6.85
B5	09/14/81	-140	-42.7	14.2	160	80	.77	7.40
B5	09/14/81	-145	-44.2	14.7	210	116	.23	7.65
B5	09/14/81	-150	-45.7	14.8	190	106	.13	8.05
B5	09/14/81	-155	-47.2	15.1	200	120	.07	8.30
B5	09/14/81	-165	-50.3	14.9	225	134	.11	8.35
B5	09/14/81	-170	-51.8	15.3	310	176	.08	8.12

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/18/81	0	0.0	14.7	130	58	.53	6.35
B5	09/18/81	-10	-3.0	13.7	140	88	1.68	6.55
B5	09/18/81	-20	-6.1	13.6	100	60	14.00	6.60
B5	09/18/81	-30	-9.1	13.6	115	76	17.75	6.40
B5	09/18/81	-40	-12.2	13.7	130	80	25.00	6.19
B5	09/18/81	-45	-13.7	13.7	155	94	30.50	6.15
B5	09/18/81	-50	-15.2	13.9	150	90	33.00	6.18
B5	09/18/81	-55	-16.8	14.1	140	78	31.25	6.40
B5	09/18/81	-60	-18.3	14.4	140	86	32.75	6.23
B5	09/18/81	-65	-19.8	14.5	215	140	16.00	6.61
B5	09/18/81	-70	-21.3	14.5	240	134	14.50	6.69
B5	09/18/81	-75	-22.9	14.9	220	156	18.50	6.80
B5	09/18/81	-80	-24.4	15.3	255	170	1.22	7.50
B5	09/18/81	-85	-25.9	15.2	260	160	.78	7.70
B5	09/18/81	-90	-27.4	15.2	220	120	.58	7.75
B5	09/18/81	-100	-30.5	14.9	150	70	14.25	7.05
B5	09/18/81	-105	-32.0	15.1	135	66	14.50	6.75
B5	09/18/81	-115	-35.1	14.7	145	60	16.75	6.62
B5	09/18/81	-125	-38.1	14.8	150	58	17.50	6.61
B5	09/18/81	-135	-41.1	15.0	160	66	10.00	6.60
B5	09/18/81	-140	-42.7	14.7	160	78	.86	6.95
B5	09/18/81	-145	-44.2	15.0	210	120	.25	7.30
B5	09/18/81	-150	-45.7	15.0	190	104	.08	7.69
B5	09/18/81	-155	-47.2	15.2	200	116	.03	7.98
B5	09/18/81	-165	-50.3	14.9	220	134	.15	7.92
B5	09/18/81	-170	-51.8	15.0	310	168	.18	7.95

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/22/81	0	0.0	14.7	135	46	.65	6.20
B5	09/22/81	-10	-3.0	13.5	140	78	1.67	6.35
B5	09/22/81	-20	-6.1	13.4	100	56	13.25	6.22
B5	09/22/81	-30	-9.1	13.6	130	76	19.25	6.20
B5	09/22/81	-40	-12.2	13.4	130	80	26.25	6.31
B5	09/22/81	-45	-13.7	13.6	135	82	26.50	6.40
B5	09/22/81	-50	-15.2	13.6	150	86	32.25	6.40
B5	09/22/81	-55	-16.8	13.7	135	80	30.50	6.49
B5	09/22/81	-60	-18.3	13.9	140	80	33.00	6.50
B5	09/22/81	-65	-19.8	14.1	220	142	15.50	6.70
B5	09/22/81	-70	-21.3	14.2	220	134	15.75	6.90
B5	09/22/81	-75	-22.9	14.3	220	144	15.25	6.98
B5	09/22/81	-80	-24.4	14.4	250	168	2.75	7.41
B5	09/22/81	-85	-25.9	14.4	250	154	1.18	7.75
B5	09/22/81	-90	-27.4	14.3	210	126	.62	7.85
B5	09/22/81	-100	-30.5	14.4	140	70	13.25	7.20
B5	09/22/81	-105	-32.0	14.3	135	60	13.50	7.00
B5	09/22/81	-115	-35.1	14.4	150	60	15.75	6.90
B5	09/22/81	-125	-38.1	14.4	155	62	16.25	6.80
B5	09/22/81	-135	-41.1	14.6	175	70	8.50	6.95
B5	09/22/81	-140	-42.7	14.6	165	80	.78	7.33
B5	09/22/81	-145	-44.2	15.3	200	118	.25	7.71
B5	09/22/81	-150	-45.7	15.2	200	110	.08	7.91
B5	09/22/81	-155	-47.2	15.3	200	110	.06	8.22
B5	09/22/81	-165	-50.3	15.3	225	132	.18	8.30
B5	09/22/81	-170	-51.8	15.3	325	180	.24	8.30

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/25/81	0	0.0	14.3	130	50	.75	6.15
B5	09/25/81	-10	-3.0	13.1	135	80	2.10	6.30
B5	09/25/81	-20	-6.1	12.9	95	56	14.50	6.21
B5	09/25/81	-30	-9.1	13.0	135	78	20.75	6.18
B5	09/25/81	-40	-12.2	13.1	130	80	27.25	6.45
B5	09/25/81	-45	-13.7	13.1	130	84	26.75	6.43
B5	09/25/81	-50	-15.2	13.2	145	88	32.00	6.45
B5	09/25/81	-55	-16.8	13.3	140	84	32.75	6.50
B5	09/25/81	-60	-18.3	13.4	140	80	33.50	6.52
B5	09/25/81	-65	-19.8	13.7	240	144	16.25	6.80
B5	09/25/81	-70	-21.3	13.9	230	132	15.50	6.90
B5	09/25/81	-75	-22.9	13.8	230	146	15.50	6.90
B5	09/25/81	-80	-24.4	13.9	280	188	2.25	7.33
B5	09/25/81	-85	-25.9	13.9	260	158	1.27	7.55
B5	09/25/81	-90	-27.4	14.1	220	120	.61	7.75
B5	09/25/81	-100	-30.5	14.0	140	70	13.50	7.31
B5	09/25/81	-105	-32.0	14.2	140	60	13.75	7.10
B5	09/25/81	-115	-35.1	14.2	150	60	16.25	7.05
B5	09/25/81	-125	-38.1	14.4	155	60	16.75	7.00
B5	09/25/81	-135	-41.1	14.8	180	66	8.75	7.00
B5	09/25/81	-140	-42.7	14.7	175	84	.74	7.41
B5	09/25/81	-145	-44.2	15.2	210	116	.20	7.72
B5	09/25/81	-150	-45.7	15.3	200	112	.07	8.09
B5	09/25/81	-155	-47.2	15.4	190	114	.03	8.32
B5	09/25/81	-165	-50.3	15.2	230	134	.15	8.49
B5	09/25/81	-170	-51.8	15.3	335	174	.25	8.41

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/28/81	0	0.0	15.1	150	50	.85	6.30
B5	09/28/81	-10	-3.0	13.9	130	76	2.10	6.30
B5	09/28/81	-20	-6.1	14.1	120	58	15.25	6.00
B5	09/28/81	-30	-9.1	13.8	130	80	19.25	6.05
B5	09/28/81	-40	-12.2	13.9	140	82	25.00	6.20
B5	09/28/81	-45	-13.7	13.9	140	80	26.50	6.35
B5	09/28/81	-50	-15.2	14.1	150	86	30.75	6.38
B5	09/28/81	-55	-16.8	14.3	150	78	31.50	6.31
B5	09/28/81	-60	-18.3	14.4	145	80	32.00	6.39
B5	09/28/81	-65	-19.8	14.5	245	140	16.75	6.80
B5	09/28/81	-70	-21.3	14.4	240	132	14.25	6.99
B5	09/28/81	-75	-22.9	14.6	230	142	15.00	6.92
B5	09/28/81	-80	-24.4	14.9	275	190	1.51	7.60
B5	09/28/81	-85	-25.9	14.8	255	154	1.21	7.65
B5	09/28/81	-90	-27.4	14.8	210	114	.60	7.73
B5	09/28/81	-100	-30.5	14.6	150	72	12.75	7.12
B5	09/28/81	-105	-32.0	14.8	130	60	13.50	6.85
B5	09/28/81	-115	-35.1	14.8	140	58	15.75	6.80
B5	09/28/81	-125	-38.1	14.7	155	60	16.25	6.80
B5	09/28/81	-135	-41.1	15.4	175	64	8.75	6.90
B5	09/28/81	-140	-42.7	14.9	180	86	.69	7.33
B5	09/28/81	-145	-44.2	15.2	220	116	.22	7.85
B5	09/28/81	-150	-45.7	15.3	205	108	.08	8.01
B5	09/28/81	-155	-47.2	15.4	185	106	.02	8.40
B5	09/28/81	-165	-50.3	15.2	225	132	.15	8.32
B5	09/28/81	-170	-51.8	15.2	330	170	.48	7.71

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/02/81	0	0.0	15.1	190	56	1.11	6.45
B5	10/02/81	-10	-3.0	13.7	135	74	2.25	6.75
B5	10/02/81	-20	-6.1	13.6	125	58	16.25	6.25
B5	10/02/81	-30	-9.1	13.4	130	72	20.50	6.45
B5	10/02/81	-40	-12.2	13.7	130	80	25.50	6.50
B5	10/02/81	-45	-13.7	13.7	130	80	28.00	6.50
B5	10/02/81	-50	-15.2	13.8	145	86	32.00	6.32
B5	10/02/81	-55	-16.8	14.1	140	82	31.50	6.35
B5	10/02/81	-60	-18.3	14.2	140	80	32.50	6.35
B5	10/02/81	-65	-19.8	14.3	240	136	16.25	6.75
B5	10/02/81	-70	-21.3	15.1	230	132	14.50	6.80
B5	10/02/81	-75	-22.9	14.6	220	140	15.00	6.82
B5	10/05/81	0	0.0	15.1	185	56	1.04	6.38
B5	10/05/81	-10	-3.0	13.7	135	76	2.30	6.60
B5	10/05/81	-20	-6.1	13.8	135	54	16.75	6.02
B5	10/05/81	-30	-9.1	13.8	140	76	20.75	6.11
B5	10/05/81	-40	-12.2	13.8	150	76	26.00	6.21
B5	10/05/81	-45	-13.7	14.1	140	80	27.50	6.29
B5	10/05/81	-50	-15.2	14.1	160	88	31.25	6.21
B5	10/05/81	-55	-16.8	14.4	150	78	31.50	6.25
B5	10/05/81	-60	-18.3	14.4	155	80	31.75	6.28
B5	10/05/81	-65	-19.8	14.5	260	140	16.25	6.71
B5	10/05/81	-70	-21.3	14.6	250	130	14.50	6.83
B5	10/05/81	-75	-22.9	14.5	240	138	14.50	6.79
B5	10/05/81	-80	-24.4	14.8	300	190	1.48	7.40
B5	10/05/81	-85	-25.9	14.6	280	158	1.25	7.48

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/05/81	-90	-27.4	14.6	235	114	.62	7.59
B5	10/05/81	-100	-30.5	14.5	145	70	12.75	6.85
B5	10/05/81	-105	-32.0	14.7	150	60	14.00	6.71
B5	10/05/81	-115	-35.1	14.6	145	56	15.50	6.68
B5	10/05/81	-125	-38.1	14.8	160	52	16.50	6.65
B5	10/05/81	-135	-41.1	15.0	190	66	9.25	6.81
B5	10/05/81	-140	-42.7	14.8	195	88	.80	7.39
B5	10/05/81	-145	-44.2	15.1	220	114	.27	7.72
B5	10/05/81	-150	-45.7	15.1	220	114	.07	7.81
B5	10/05/81	-155	-47.2	15.1	185	98	.03	8.21
B5	10/05/81	-165	-50.3	14.9	235	130	.13	8.22
B5	10/05/81	-170	-51.8	15.1	365	180	.27	8.13
B5	10/09/81	0	0.0	15.2	220	54	.98	6.35
B5	10/09/81	-10	-3.0	13.9	140	74	2.30	6.60
B5	10/09/81	-20	-6.1	13.8	145	54	17.00	6.12
B5	10/09/81	-30	-9.1	13.9	145	76	20.00	6.19
B5	10/09/81	-40	-12.2	14.0	155	76	25.75	6.29
B5	10/09/81	-45	-13.7	14.1	145	80	28.25	6.32
B5	10/09/81	-50	-15.2	14.1	160	90	31.25	6.39
B5	10/09/81	-55	-16.8	14.3	150	78	31.50	6.40
B5	10/09/81	-60	-18.3	14.3	170	78	34.25	6.41
B5	10/09/81	-65	-19.8	14.4	275	132	16.75	6.81
B5	10/09/81	-70	-21.3	14.4	250	130	15.00	6.93
B5	10/09/81	-75	-22.9	14.4	230	134	13.75	6.90
B5	10/09/81	-80	-24.4	14.7	315	200	1.53	7.50
B5	10/09/81	-85	-25.9	14.7	280	150	1.20	7.81

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/09/81	-90	-27.4	14.4	230	116	.63	7.82
B5	10/09/81	-100	-30.5	14.3	155	70	14.00	7.20
B5	10/09/81	-105	-32.0	14.2	150	60	15.75	7.00
B5	10/09/81	-115	-35.1	14.3	150	56	15.75	6.92
B5	10/09/81	-125	-38.1	14.4	160	60	16.50	6.89
B5	10/09/81	-135	-41.1	14.6	195	66	9.50	6.60
B5	10/09/81	-140	-42.7	14.4	200	90	.88	7.49
B5	10/09/81	-145	-44.2	14.7	220	120	.23	7.90
B5	10/09/81	-150	-45.7	14.6	230	120	.12	8.02
B5	10/09/81	-155	-47.2	14.6	190	98	.06	8.31
B5	10/09/81	-165	-50.3	14.6	230	136	.17	8.35
B5	10/09/81	-170	-51.8	14.8	360	188	.35	8.40
B5	10/12/81	0	0.0	14.3	250	64	1.06	6.40
B5	10/12/81	-10	-3.0	12.9	130	72	2.45	6.55
B5	10/12/81	-20	-6.1	12.9	135	50	16.25	6.12
B5	10/12/81	-30	-9.1	12.9	140	68	21.00	6.14
B5	10/12/81	-40	-12.2	12.9	155	72	27.75	6.22
B5	10/12/81	-45	-13.7	12.9	150	82	28.25	6.30
B5	10/12/81	-50	-15.2	13.2	160	88	31.25	6.31
B5	10/12/81	-55	-16.8	13.4	160	80	31.00	6.32
B5	10/12/81	-60	-18.3	13.7	180	72	37.00	6.31
B5	10/12/81	-65	-19.8	13.7	255	130	17.00	6.90
B5	10/12/81	-70	-21.3	14.0	260	132	14.50	6.99
B5	10/12/81	-75	-22.9	13.9	230	132	13.25	7.00
B5	10/12/81	-80	-24.4	14.1	320	200	1.58	7.55
B5	10/12/81	-85	-25.9	14.1	270	152	1.23	7.60
B5	10/12/81	-90	-27.4	14.1	235	116	.59	7.70

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/12/81	-100	-30.5	14.0	160	68	13.25	7.03
B5	10/12/81	-105	-32.0	14.2	155	58	14.00	6.92
B5	10/12/81	-115	-35.1	14.2	160	56	15.75	6.88
B5	10/12/81	-125	-38.1	14.2	170	58	17.00	6.81
B5	10/12/81	-135	-41.1	14.6	200	64	9.50	6.99
B5	10/12/81	-140	-42.7	14.4	215	92	.91	7.41
B5	10/12/81	-145	-44.2	14.8	220	110	.17	7.80
B5	10/12/81	-150	-45.7	14.8	235	120	.07	7.95
B5	10/12/81	-155	-47.2	14.6	190	102	.02	8.22
B5	10/12/81	-165	-50.3	14.3	250	132	.15	8.30
B5	10/12/81	-170	-51.8	14.8	365	176	.32	8.26
B5	10/16/81	0	0.0	13.9	195	68	.96	6.39
B5	10/16/81	-10	-3.0	12.7	160	70	2.30	6.60
B5	10/16/81	-20	-6.1	12.6	150	50	18.25	6.10
B5	10/16/81	-30	-9.1	12.5	160	70	21.00	6.20
B5	10/16/81	-40	-12.2	12.6	170	80	24.50	6.32
B5	10/16/81	-45	-13.7	12.6	165	84	29.50	6.37
B5	10/16/81	-50	-15.2	12.9	175	86	31.75	6.37
B5	10/16/81	-55	-16.8	13.0	170	80	31.25	6.39
B5	10/16/81	-60	-18.3	13.1	200	74	38.25	6.32
B5	10/16/81	-65	-19.8	13.2	280	130	17.00	6.88
B5	10/16/81	-70	-21.3	13.6	270	130	16.25	6.97
B5	10/16/81	-75	-22.9	13.6	225	120	13.25	6.99
B5	10/16/81	-80	-24.4	14.0	325	200	1.59	7.45
B5	10/16/81	-85	-25.9	13.9	300	150	1.25	7.58
B5	10/16/81	-90	-27.4	14.0	255	116	.61	7.69

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/16/81	-100	-30.5	14.0	180	74	13.00	7.02
B5	10/16/81	-105	-32.0	14.1	180	64	14.25	6.89
B5	10/16/81	-115	-35.1	14.0	180	60	16.25	6.81
B5	10/16/81	-125	-38.1	14.1	195	60	17.00	6.82
B5	10/16/81	-135	-41.1	14.6	225	70	9.50	6.93
B5	10/16/81	-140	-42.7	14.5	250	94	.85	7.39
B5	10/16/81	-145	-44.2	15.0	260	110	.15	7.86
B5	10/16/81	-150	-45.7	14.8	270	130	.08	7.93
B5	10/16/81	-155	-47.2	15.1	220	102	.03	8.28
B5	10/16/81	-165	-50.3	14.7	275	134	.14	8.32
B5	10/16/81	-170	-51.8	15.0	380	180	.35	8.32
B5	10/27/81	0	0.0	14.7	160	74	.32	6.35
B5	10/27/81	-10	-3.0	14.6	115	58	6.00	6.32
B5	10/27/81	-20	-6.1	14.4	155	50	19.25	5.89
B5	10/27/81	-30	-9.1	14.6	155	70	28.00	6.10
B5	10/27/81	-40	-12.2	14.5	185	70	32.50	6.15
B5	10/27/81	-45	-13.7	14.3	130	74	24.50	6.30
B5	10/27/81	-50	-15.2	14.2	130	80	26.50	6.32
B5	10/27/81	-55	-16.8	14.2	155	90	33.00	6.30
B5	10/27/81	-60	-18.3	14.3	150	80	33.00	6.30
B5	10/27/81	-65	-19.8	14.6	210	100	18.00	6.49
B5	10/27/81	-70	-21.3	14.4	230	130	22.00	6.67
B5	10/27/81	-75	-22.9	14.3	260	138	13.00	6.99
B5	10/27/81	-80	-24.4	14.4	250	128	3.50	7.22
B5	10/27/81	-85	-25.9	14.5	235	144	1.15	7.50
B5	10/27/81	-90	-27.4	14.1	280	166	1.15	7.50
B5	10/27/81	-100	-30.5	14.1	255	144	16.00	7.15

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/27/81	-105	-32.0	13.1	220	122	24.25	6.62
B5	10/27/81	-115	-35.1	13.0	200	106	23.50	6.71
B5	10/27/81	-125	-38.1	13.1	180	90	21.25	6.72
B5	10/27/81	-135	-41.1	13.2	150	76	11.75	6.88
B5	10/27/81	-140	-42.7	13.1	155	80	1.55	7.25
B5	10/27/81	-145	-44.2	13.7	210	100	.17	7.56
B5	10/27/81	-150	-45.7	13.7	200	106	.12	7.79
B5	10/27/81	-155	-47.2	13.9	195	110	.04	8.05
B5	10/27/81	-165	-50.3	13.6	220	132	.15	8.21
B5	10/27/81	-170	-51.8	13.7	330	180	.51	8.14
B5	11/04/81	-10	-3.0	14.1	200	76	6.75	6.42
B5	11/06/81	0	0.0	12.9	200	86	.45	6.61
B5	11/06/81	-10	-3.0	14.2	170	74	13.75	6.41
B5	11/06/81	-20	-6.1	13.7	130	48	16.25	6.10
B5	11/06/81	-30	-9.1	13.8	190	70	29.50	6.12
B5	11/06/81	-40	-12.2	13.7	185	74	31.75	6.41
B5	11/06/81	-45	-13.7	13.8	175	80	32.00	6.36
B5	11/06/81	-50	-15.2	13.8	190	78	36.75	6.30
B5	11/06/81	-55	-16.8	14.0	180	78	33.50	6.31
B5	11/06/81	-60	-18.3	14.2	160	80	30.00	6.31
B5	11/06/81	-65	-19.8	14.4	200	94	19.00	6.52
B5	11/06/81	-70	-21.3	14.7	245	122	20.75	6.62
B5	11/06/81	-75	-22.9	14.6	290	132	11.25	6.99
B5	11/06/81	-80	-24.4	14.8	270	144	2.75	7.12
B5	11/06/81	-85	-25.9	14.9	280	166	1.27	7.40
B5	11/06/81	-90	-27.4	14.8	265	154	1.17	7.48

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/06/81	-100	-30.5	14.6	280	158	9.25	7.23
B5	11/06/81	-105	-32.0	14.6	265	144	21.25	6.89
B5	11/06/81	-115	-35.1	14.7	250	126	26.25	6.71
B5	11/06/81	-125	-38.1	14.8	210	100	23.25	6.72
B5	11/06/81	-135	-41.1	15.3	205	96	15.25	6.80
B5	11/06/81	-140	-42.7	14.9	175	78	1.41	7.18
B5	11/06/81	-145	-44.2	15.2	200	82	.20	7.50
B5	11/06/81	-150	-45.7	15.2	195	90	.12	7.71
B5	11/06/81	-155	-47.2	15.0	235	126	.05	8.05
B5	11/06/81	-165	-50.3	14.8	235	132	.14	8.20
B5	11/06/81	-170	-51.8	14.9	350	174	.50	8.05
B5	11/09/81	0	0.0	12.7	210	104	.46	6.72
B5	11/09/81	-10	-3.0	13.7	250	64	7.50	6.42
B5	11/09/81	-20	-6.1	13.7	135	42	16.25	6.11
B5	11/09/81	-30	-9.1	13.2	185	70	28.00	6.15
B5	11/09/81	-40	-12.2	13.3	190	76	33.75	6.22
B5	11/09/81	-45	-13.7	13.4	195	80	35.25	6.30
B5	11/09/81	-50	-15.2	13.6	185	80	36.50	6.31
B5	11/09/81	-55	-16.8	13.8	175	80	34.00	6.32
B5	11/09/81	-60	-18.3	13.8	160	80	34.75	6.32
B5	11/09/81	-65	-19.8	13.9	190	88	19.50	6.52
B5	11/09/81	-70	-21.3	13.9	250	118	21.25	6.62
B5	11/09/81	-75	-22.9	14.0	285	138	10.75	6.93
B5	11/09/81	-80	-24.4	13.9	260	132	2.90	7.10
B5	11/09/81	-85	-25.9	14.1	255	144	1.14	7.40
B5	11/09/81	-90	-27.4	13.9	290	172	1.32	7.49
B5	11/09/81	-100	-30.5	13.8	300	180	9.50	7.30

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/09/81	-105	-32.0	13.8	260	150	20.75	7.00
B5	11/09/81	-115	-35.1	13.8	250	126	28.25	6.80
B5	11/09/81	-125	-38.1	13.7	230	114	27.00	6.77
B5	11/09/81	-135	-41.1	14.1	215	98	16.25	6.83
B5	11/09/81	-140	-42.7	13.8	170	80	1.51	7.18
B5	11/09/81	-145	-44.2	13.9	195	80	.21	7.58
B5	11/09/81	-150	-45.7	13.8	190	90	.08	7.72
B5	11/09/81	-155	-47.2	14.0	230	130	.04	8.01
B5	11/09/81	-165	-50.3	13.8	235	140	.17	8.22
B5	11/09/81	-170	-51.8	14.1	330	168	.50	8.21
B5	11/13/81	0	0.0	12.9	220	108	.46	6.71
B5	11/13/81	-10	-3.0	14.2	230	70	6.25	6.42
B5	11/13/81	-20	-6.1	13.8	130	42	14.50	6.09
B5	11/13/81	-30	-9.1	13.7	175	68	26.50	6.13
B5	11/13/81	-40	-12.2	13.7	190	72	32.00	6.21
B5	11/13/81	-45	-13.7	13.8	200	84	35.00	6.25
B5	11/13/81	-50	-15.2	13.7	200	84	37.75	6.28
B5	11/13/81	-55	-16.8	13.8	185	80	33.25	6.31
B5	11/13/81	-60	-18.3	14.0	170	80	32.00	6.30
B5	11/13/81	-65	-19.8	13.9	185	90	18.75	6.50
B5	11/13/81	-70	-21.3	14.2	250	110	22.00	6.63
B5	11/13/81	-75	-22.9	14.2	300	146	10.25	6.96
B5	11/13/81	-80	-24.4	14.6	270	138	3.40	7.07
B5	11/13/81	-85	-25.9	14.6	275	146	1.16	7.35
B5	11/13/81	-90	-27.4	14.6	290	162	1.25	7.45
B5	11/13/81	-100	-30.5	14.5	310	180	8.00	7.29
B5	11/13/81	-105	-32.0	14.4	290	164	20.50	6.99

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/13/81	-115	-35.1	14.8	260	130	27.75	6.80
B5	11/13/81	-125	-38.1	14.4	260	124	28.75	6.72
B5	11/13/81	-135	-41.1	14.5	230	100	17.00	6.73
B5	11/13/81	-140	-42.7	14.3	185	80	1.74	7.30
B5	11/13/81	-145	-44.2	14.7	200	82	.19	7.58
B5	11/13/81	-150	-45.7	14.3	200	90	.07	7.73
B5	11/13/81	-155	-47.2	14.5	245	130	.03	8.02
B5	11/13/81	-165	-50.3	14.2	240	130	.12	8.20
B5	11/13/81	-170	-51.8	14.2	340	174	.49	8.13
B5	11/20/81	0	0.0	13.1	220	104	.43	6.75
B5	11/20/81	-10	-3.0	14.1	200	78	4.30	6.50
B5	11/20/81	-20	-6.1	14.2	135	42	14.25	6.23
B5	11/20/81	-30	-9.1	13.8	160	56	21.00	6.29
B5	11/20/81	-40	-12.2	13.9	180	68	26.75	6.32
B5	11/20/81	-45	-13.7	13.8	185	80	31.50	6.38
B5	11/20/81	-50	-15.2	13.7	210	84	38.75	6.37
B5	11/20/81	-55	-16.8	13.7	185	76	33.25	6.39
B5	11/20/81	-60	-18.3	13.6	165	80	30.50	6.40
B5	11/20/81	-65	-19.8	14.1	195	88	19.75	6.54
B5	11/20/81	-70	-21.3	13.9	220	116	19.25	6.75
B5	11/20/81	-75	-22.9	13.8	300	152	9.25	6.90
B5	11/20/81	-80	-24.4	13.9	275	146	3.90	7.00
B5	11/20/81	-85	-25.9	13.8	300	162	1.27	7.32
B5	11/20/81	-90	-27.4	13.8	285	152	1.32	7.50
B5	11/20/81	-100	-30.5	13.8	290	160	6.00	7.40
B5	11/20/81	-105	-32.0	13.8	300	180	21.50	7.10

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/20/81	-115	-35.1	13.9	260	134	27.00	6.85
B5	11/20/81	-125	-38.1	13.9	260	130	29.25	6.81
B5	11/20/81	-135	-41.1	14.1	220	96	18.00	6.83
B5	11/20/81	-140	-42.7	14.0	195	82	2.22	7.18
B5	11/20/81	-145	-44.2	14.2	195	80	.18	7.60
B5	11/20/81	-150	-45.7	14.2	205	84	.06	7.78
B5	11/20/81	-155	-47.2	14.3	250	130	.03	8.08
B5	11/20/81	-165	-50.3	14.0	250	134	.14	8.22
B5	11/20/81	-170	-51.8	14.3	340	168	.47	7.90
B5	11/23/81	0	0.0	12.5	210	100	.47	6.72
B5	11/23/81	-10	-3.0	13.5	190	78	4.35	6.50
B5	11/23/81	-20	-6.1	13.6	135	40	15.75	6.20
B5	11/23/81	-30	-9.1	13.2	140	54	18.75	6.30
B5	11/23/81	-40	-12.2	13.2	155	60	24.75	6.36
B5	11/23/81	-45	-13.7	13.2	170	78	29.50	6.39
B5	11/23/81	-50	-15.2	13.3	190	80	35.00	6.38
B5	11/23/81	-55	-16.8	13.3	185	78	34.25	6.39
B5	11/23/81	-60	-18.3	13.4	165	78	29.25	6.41
B5	11/23/81	-65	-19.8	13.5	195	94	21.25	6.54
B5	11/23/81	-70	-21.3	13.6	230	124	20.75	6.78
B5	11/23/81	-75	-22.9	13.6	280	150	8.75	7.08
B5	11/23/81	-80	-24.4	13.8	270	148	5.75	7.08
B5	11/23/81	-85	-25.9	13.8	300	164	1.32	7.42
B5	11/23/81	-90	-27.4	13.8	270	148	1.26	7.50
B5	11/23/81	-100	-30.5	13.8	250	140	3.50	7.42
B5	11/23/81	-105	-32.0	13.9	290	164	17.00	7.13

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/23/81	-115	-35.1	13.9	270	150	31.00	6.84
B5	11/23/81	-125	-38.1	13.9	260	130	29.25	6.85
B5	11/23/81	-135	-41.1	13.9	225	104	19.25	6.88
B5	11/23/81	-140	-42.7	13.7	205	84	2.90	7.13
B5	11/23/81	-145	-44.2	13.7	190	74	.22	7.60
B5	11/23/81	-150	-45.7	13.8	215	90	.07	7.73
B5	11/23/81	-155	-47.2	13.8	250	132	.03	8.04
B5	11/23/81	-165	-50.3	13.6	240	130	.13	8.22
B5	11/23/81	-170	-51.8	13.8	335	166	.46	8.20
B5	11/30/81	0	0.0	12.1	250	82	.68	6.72
B5	11/30/81	-10	-3.0	12.9	185	80	4.65	6.49
B5	11/30/81	-20	-6.1	13.1	135	46	16.75	6.15
B5	11/30/81	-30	-9.1	13.0	150	56	21.00	6.25
B5	11/30/81	-40	-12.2	12.9	155	60	24.25	6.33
B5	11/30/81	-45	-13.7	12.9	160	60	25.75	6.38
B5	11/30/81	-50	-15.2	12.8	160	64	29.00	6.39
B5	11/30/81	-55	-16.8	12.7	175	80	32.25	6.39
B5	11/30/81	-60	-18.3	12.8	165	80	30.75	6.40
B5	11/30/81	-65	-19.8	12.8	190	102	22.00	6.52
B5	11/30/81	-70	-21.3	12.8	210	120	20.50	6.78
B5	11/30/81	-75	-22.9	12.8	275	150	8.00	7.09
B5	11/30/81	-80	-24.4	12.8	260	146	6.50	7.03
B5	11/30/81	-85	-25.9	12.8	280	162	1.24	7.40
B5	11/30/81	-90	-27.4	12.8	260	144	1.34	7.48
B5	11/30/81	-100	-30.5	12.8	235	130	4.25	7.45
B5	11/30/81	-105	-32.0	12.8	240	130	11.00	7.22

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/30/81	-115	-35.1	12.8	280	170	32.00	6.84
B5	11/30/81	-125	-38.1	12.8	250	142	30.25	6.88
B5	11/30/81	-135	-41.1	12.8	240	120	24.00	6.88
B5	11/30/81	-140	-42.7	12.9	215	96	3.30	7.05
B5	11/30/81	-145	-44.2	12.8	180	76	.21	7.54
B5	11/30/81	-150	-45.7	12.8	225	96	.07	7.72
B5	11/30/81	-155	-47.2	12.9	240	126	.04	8.01
B5	11/30/81	-165	-50.3	12.8	240	134	.12	8.18
B5	11/30/81	-170	-51.8	12.8	335	168	.48	8.15
B5	12/04/81	0	0.0	12.8	220	84	.73	6.64
B5	12/04/81	-20	-6.1	14.1	140	44	16.50	6.08
B5	12/04/81	-30	-9.1	13.8	160	58	21.50	6.22
B5	12/04/81	-40	-12.2	13.8	170	60	24.50	6.29
B5	12/04/81	-45	-13.7	13.8	170	64	27.00	6.32
B5	12/04/81	-50	-15.2	13.7	180	66	30.00	6.35
B5	12/04/81	-55	-16.8	14.1	180	76	31.25	6.32
B5	12/04/81	-60	-18.3	13.9	170	78	28.75	6.35
B5	12/04/81	-65	-19.8	14.1	175	80	18.50	6.50
B5	12/04/81	-70	-21.3	14.6	225	118	20.00	6.68
B5	12/04/81	-75	-22.9	14.1	285	148	8.00	7.03
B5	12/04/81	-80	-24.4	14.2	275	148	6.50	7.00
B5	12/04/81	-85	-25.9	14.3	300	162	1.23	7.43
B5	12/04/81	-90	-27.4	14.1	275	144	1.32	7.49
B5	12/04/81	-100	-30.5	14.2	240	122	3.75	7.45
B5	12/04/81	-105	-32.0	14.1	250	126	9.25	7.19
B5	12/04/81	-115	-35.1	14.2	300	178	31.00	6.80

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	12/04/81	-125	-38.1	14.2	270	146	29.25	6.80
B5	12/04/81	-135	-41.1	14.1	255	120	24.25	6.79
B5	12/04/81	-140	-42.7	13.9	230	100	6.25	7.01
B5	12/04/81	-145	-44.2	14.2	195	76	.16	7.50
B5	12/04/81	-150	-45.7	14.1	245	98	.09	7.71
B5	12/04/81	-155	-47.2	14.2	255	130	.03	8.01
B5	12/04/81	-165	-50.3	13.9	250	136	.08	8.19
B5	12/04/81	-170	-51.8	13.9	340	170	.45	8.14
B5	12/07/81	0	0.0	12.4	215	100	.66	6.70
B5	12/07/81	-10	-3.0	13.2	195	80	7.50	6.42
B5	12/07/81	-20	-6.1	13.6	140	42	16.50	6.10
B5	12/07/81	-30	-9.1	13.4	160	58	21.00	6.25
B5	12/07/81	-40	-12.2	13.2	165	62	25.50	6.32
B5	12/07/81	-45	-13.7	13.2	170	66	26.50	6.35
B5	12/07/81	-50	-15.2	13.1	180	66	31.25	6.37
B5	12/07/81	-55	-16.8	13.2	180	72	31.25	6.39
B5	12/07/81	-60	-18.3	13.1	165	74	28.75	6.38
B5	12/07/81	-65	-19.8	13.2	180	88	22.00	6.49
B5	12/07/81	-70	-21.3	13.1	220	114	21.00	6.82
B5	12/07/81	-75	-22.9	13.1	280	152	8.25	7.02
B5	12/07/81	-80	-24.4	13.1	270	152	7.00	7.00
B5	12/07/81	-85	-25.9	12.7	280	162	1.26	7.01
B5	12/07/81	-90	-27.4	12.8	255	142	1.36	7.42
B5	12/07/81	-100	-30.5	12.9	225	124	3.50	7.42
B5	12/07/81	-105	-32.0	12.9	245	128	14.25	7.16
B5	12/07/81	-115	-35.1	13.0	280	164	29.75	6.88

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	12/07/81	-125	-38.1	13.1	270	154	31.00	6.82
B5	12/07/81	-135	-41.1	13.3	260	124	27.50	6.80
B5	12/07/81	-140	-42.7	13.2	230	100	6.75	7.00
B5	12/07/81	-145	-44.2	13.2	190	74	.18	7.50
B5	12/07/81	-150	-45.7	13.4	245	100	.08	7.70
B5	12/07/81	-155	-47.2	13.7	245	126	.04	8.00
B5	12/07/81	-165	-50.3	13.7	250	134	.11	8.18
B5	12/07/81	-170	-51.8	13.7	340	168	.47	8.11
B5	12/11/81	0	0.0	11.4	190	88	.65	6.69
B5	12/11/81	-10	-3.0	12.4	195	78	7.75	6.43
B5	12/11/81	-20	-6.1	12.6	130	44	16.00	6.10
B5	12/11/81	-30	-9.1	12.6	150	58	22.00	6.24
B5	12/11/81	-40	-12.2	12.4	155	60	24.50	6.30
B5	12/11/81	-45	-13.7	12.4	165	62	28.50	6.33
B5	12/11/81	-50	-15.2	12.8	175	68	31.50	6.38
B5	12/11/81	-55	-16.8	12.8	175	74	31.00	6.36
B5	12/11/81	-60	-18.3	12.8	165	70	30.00	6.37
B5	12/11/81	-65	-19.8	12.9	190	84	24.00	6.44
B5	12/11/81	-70	-21.3	13.1	225	114	22.00	6.70
B5	12/11/81	-75	-22.9	13.1	260	140	8.00	7.02
B5	12/11/81	-80	-24.4	13.2	270	150	8.25	6.90
B5	12/11/81	-85	-25.9	13.1	295	158	1.21	7.43
B5	12/11/81	-90	-27.4	13.0	265	140	1.36	7.50
B5	12/11/81	-100	-30.5	13.1	240	126	4.00	7.49
B5	12/11/81	-105	-32.0	13.2	240	122	8.00	7.25
B5	12/11/81	-115	-35.1	13.1	280	166	30.00	6.86

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	12/11/81	-125	-38.1	13.2	275	154	31.50	6.80
B5	12/11/81	-135	-41.1	13.2	260	128	27.75	6.75
B5	12/11/81	-140	-42.7	13.3	240	102	7.50	6.93
B5	12/11/81	-145	-44.2	13.4	195	74	.21	7.50
B5	12/11/81	-150	-45.7	13.6	250	98	.08	7.69
B5	12/11/81	-155	-47.2	13.5	250	126	.07	8.00
B5	12/11/81	-165	-50.3	13.3	250	134	.12	8.20
B5	12/11/81	-170	-51.8	13.4	330	164	.45	8.15
B5	01/04/82	0	0.0	11.1	200	100	1.39	--
B5	01/04/82	-10	-3.0	12.1	180	78	8.25	--
B5	01/04/82	-20	-6.1	12.6	130	44	16.50	--
B5	01/04/82	-30	-9.1	12.6	150	58	21.00	--
B5	01/04/82	-40	-12.2	12.6	160	66	24.00	--
B5	01/04/82	-45	-13.7	12.6	160	64	26.00	--
B5	01/04/82	-50	-15.2	12.7	160	70	29.25	--
B5	01/04/82	-55	-16.8	12.7	170	70	30.00	--
B5	01/04/82	-60	-18.3	12.7	160	68	29.50	--
B5	01/04/82	-65	-19.8	12.8	170	74	27.25	--
B5	01/04/82	-70	-21.3	12.8	220	108	22.00	--
B5	01/04/82	-75	-22.9	12.8	260	140	8.50	--
B5	01/04/82	-80	-24.4	12.8	265	150	9.50	--
B5	01/04/82	-85	-25.9	12.8	290	160	1.26	--
B5	01/04/82	-90	-27.4	12.8	285	160	1.53	--
B5	01/04/82	-100	-30.5	12.9	250	132	3.25	--
B5	01/04/82	-105	-32.0	12.9	250	134	5.00	--
B5	01/04/82	-115	-35.1	12.9	240	130	20.50	--

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	01/04/82	-125	-38.1	12.9	250	136	25.25	--
B5	01/04/82	-135	-41.1	12.9	270	154	31.75	--
B5	01/04/82	-140	-42.7	12.9	250	116	12.50	--
B5	01/04/82	-145	-44.2	12.9	180	78	.18	--
B5	01/04/82	-150	-45.7	12.8	245	104	.06	--
B5	01/04/82	-155	-47.2	12.8	220	116	.03	--
B5	01/04/82	-165	-50.3	12.4	230	134	.08	--
B5	01/04/82	-170	-51.8	12.4	305	160	.42	--
B5	01/26/82	0	0.0	11.4	220	108	1.26	--
B5	01/26/82	-10	-3.0	12.3	185	80	6.20	--
B5	01/26/82	-20	-6.1	12.8	140	40	17.25	--
B5	01/26/82	-30	-9.1	12.8	160	60	22.50	--
B5	01/26/82	-40	-12.2	12.9	165	64	24.75	--
B5	01/26/82	-45	-13.7	12.9	160	66	25.00	--
B5	01/26/82	-50	-15.2	12.9	165	68	28.50	--
B5	01/26/82	-55	-16.8	12.9	170	70	31.25	--
B5	01/26/82	-60	-18.3	12.8	170	68	30.25	--
B5	01/26/82	-65	-19.8	12.6	170	70	30.00	--
B5	01/26/82	-70	-21.3	12.8	220	108	19.00	--
B5	01/26/82	-75	-22.9	12.7	235	128	8.75	--
B5	01/26/82	-80	-24.4	12.7	280	144	11.75	--
B5	01/26/82	-85	-25.9	12.6	270	160	2.20	--
B5	01/26/82	-90	-27.4	12.6	280	160	1.45	--
B5	01/26/82	-100	-30.5	12.6	280	150	1.40	--
B5	01/26/82	-105	-32.0	12.4	260	130	1.95	--
B5	01/26/82	-115	-35.1	12.5	245	140	13.25	--

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	01/26/82	-125	-38.1	12.6	230	122	18.25	--
B5	01/26/82	-135	-41.1	12.6	270	164	33.00	--
B5	01/26/82	-140	-42.7	12.5	270	132	15.75	--
B5	01/26/82	-145	-44.2	12.3	185	80	.27	--
B5	01/26/82	-150	-45.7	12.6	230	104	.09	--
B5	01/26/82	-155	-47.2	12.5	220	118	.03	--
B5	01/26/82	-165	-50.3	12.5	235	138	.07	--
B5	01/26/82	-170	-51.8	12.5	310	160	.41	--
B5	02/16/82	0	0.0	11.9	235	114	1.54	6.92
B5	02/16/82	-10	-3.0	12.6	200	84	5.70	6.47
B5	02/16/82	-20	-6.1	13.1	140	40	16.75	6.00
B5	02/16/82	-30	-9.1	13.3	170	56	20.00	6.20
B5	02/16/82	-40	-12.2	13.3	170	64	23.25	6.25
B5	02/16/82	-45	-13.7	13.3	175	68	24.50	6.29
B5	02/16/82	-50	-15.2	13.7	175	70	26.50	6.15
B5	02/16/82	-55	-16.8	13.6	180	76	30.50	6.19
B5	02/16/82	-60	-18.3	13.7	170	72	28.00	6.18
B5	02/16/82	-65	-19.8	13.7	180	72	30.50	6.21
B5	02/16/82	-70	-21.3	13.7	220	104	16.50	6.62
B5	02/16/82	-75	-22.9	13.7	230	108	10.00	6.75
B5	02/16/82	-80	-24.4	13.7	270	140	12.00	6.89
B5	02/16/82	-85	-25.9	13.6	290	158	2.80	6.90
B5	02/16/82	-90	-27.4	13.3	300	158	1.46	7.41
B5	02/16/82	-100	-30.5	13.4	315	160	1.40	7.48
B5	02/16/82	-105	-32.0	13.4	310	146	1.74	7.49
B5	02/16/82	-115	-35.1	13.4	270	130	6.75	7.30

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPER-ATURE (DEG C)	SPECIFIC CONDUCT-ANCE (UMHOS)	ALKA-LINITY (MG/L AS CACO3)	IRON DIS-SOLVED (MG/L)	PH (UNIT)
B5	02/16/82	-125	-38.1	13.3	230	116	14.25	7.10
B5	02/16/82	-135	-41.1	13.3	290	170	25.50	6.78
B5	02/16/82	-140	-42.7	13.2	280	136	24.00	6.65
B5	02/16/82	-145	-44.2	13.3	200	86	.22	7.52
B5	02/16/82	-150	-45.7	13.2	220	98	.08	7.68
B5	02/16/82	-155	-47.2	13.2	230	118	.05	8.00
B5	02/16/82	-165	-50.3	13.1	240	134	.08	8.13
B5	02/16/82	-170	-51.8	13.2	310	160	.38	7.95
B5	03/08/82	0	0.0	12.9	220	100	.91	6.79
B5	03/08/82	-10	-3.0	12.5	200	90	6.00	6.43
B5	03/08/82	-20	-6.1	13.0	145	40	14.50	5.90
B5	03/08/82	-30	-9.1	13.6	170	54	20.50	6.10
B5	03/08/82	-40	-12.2	13.8	175	62	22.25	6.20
B5	03/08/82	-45	-13.7	13.7	180	68	25.75	6.29
B5	03/08/82	-50	-15.2	13.7	175	64	23.50	6.25
B5	03/08/82	-55	-16.8	14.0	180	72	28.75	6.30
B5	03/08/82	-60	-18.3	14.3	175	78	29.50	6.28
B5	03/08/82	-65	-19.8	14.2	180	76	31.00	6.31
B5	03/08/82	-70	-21.3	14.1	215	98	15.00	6.68
B5	03/08/82	-75	-22.9	14.1	215	108	10.25	6.90
B5	03/08/82	-80	-24.4	13.8	260	138	11.25	7.12
B5	03/08/82	-85	-25.9	13.7	300	160	3.20	7.23
B5	03/08/82	-90	-27.4	13.8	310	154	1.45	7.50
B5	03/08/82	-100	-30.5	13.7	320	144	1.54	7.50
B5	03/08/82	-105	-32.0	13.7	340	140	1.70	7.51
B5	03/08/82	-115	-35.1	13.7	300	142	5.50	7.35

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	03/08/82	-125	-38.1	13.7	245	120	9.00	7.18
B5	03/08/82	-135	-41.1	13.9	290	164	19.00	6.91
B5	03/08/82	-140	-42.7	13.5	280	140	26.25	6.70
B5	03/08/82	-145	-44.2	13.6	200	86	.24	7.54
B5	03/08/82	-150	-45.7	13.6	210	90	.08	7.92
B5	03/08/82	-155	-47.2	13.7	220	114	.04	8.22
B5	03/08/82	-165	-50.3	13.6	250	130	.08	8.23
B5	03/08/82	-170	-51.8	13.7	310	160	.39	8.12
B5	03/28/82	0	0.0	12.9	--	84	1.26	6.72
B5	03/28/82	-10	-3.0	12.3	--	84	11.50	6.32
B5	03/28/82	-20	-6.1	12.0	--	42	12.50	5.94
B5	03/28/82	-30	-9.1	11.9	--	64	22.00	6.21
B5	03/28/82	-40	-12.2	11.8	--	56	20.70	6.15
B5	03/28/82	-45	-13.7	11.9	--	70	22.50	6.30
B5	03/28/82	-50	-15.2	12.2	--	68	25.75	6.33
B5	03/28/82	-55	-16.8	12.4	--	46	22.00	6.40
B5	03/28/82	-60	-18.3	12.6	--	58	22.50	6.42
B5	03/28/82	-65	-19.8	12.6	--	40	16.00	6.50
B5	03/28/82	-70	-21.3	12.8	--	42	6.75	6.65
B5	03/28/82	-75	-22.9	12.9	--	92	10.75	6.80
B5	03/28/82	-80	-24.4	13.0	--	114	7.50	6.89
B5	03/28/82	-85	-25.9	13.2	--	140	4.00	7.06
B5	03/28/82	-90	-27.4	13.2	--	150	3.40	7.12
B5	03/28/82	-100	-30.5	13.2	--	154	1.40	7.43
B5	03/28/82	-105	-32.0	13.2	--	152	1.65	7.55
B5	03/28/82	-115	-35.1	13.2	--	146	1.36	7.55

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	03/28/82	-125	-38.1	13.2	--	140	2.70	7.43
B5	03/28/82	-135	-41.1	13.4	--	138	3.30	7.40
B5	03/28/82	-140	-42.7	13.2	--	140	25.50	6.90
B5	03/28/82	-145	-44.2	13.4	--	90	.74	7.10
B5	03/28/82	-150	-45.7	13.4	--	72	.08	7.70
B5	03/28/82	-155	-47.2	13.4	--	110	.02	8.00
B5	03/28/82	-165	-50.3	13.6	--	132	.03	8.25
B5	03/28/82	-170	-51.8	13.7	--	154	.28	8.18
B5	04/06/82	0	0.0	11.5	200	108	1.64	6.31
B5	04/06/82	-10	-3.0	11.5	175	86	10.75	6.29
B5	04/06/82	-20	-6.1	11.7	130	46	15.75	5.84
B5	04/06/82	-30	-9.1	11.8	135	54	22.00	6.00
B5	04/06/82	-40	-12.2	12.0	125	52	22.00	6.12
B5	04/06/82	-45	-13.7	12.1	130	54	21.75	6.14
B5	04/06/82	-50	-15.2	12.4	135	60	24.50	6.11
B5	04/06/82	-55	-16.8	12.5	160	70	33.00	6.18
B5	04/06/82	-65	-19.8	12.7	140	70	31.50	6.18
B5	04/06/82	-70	-21.3	12.8	190	90	15.75	6.42
B5	04/06/82	-75	-22.9	12.7	200	104	14.25	6.61
B5	04/06/82	-80	-24.4	12.8	235	132	12.00	6.73
B5	04/06/82	-85	-25.9	12.8	240	140	3.20	6.85
B5	04/06/82	-90	-27.4	12.9	260	156	1.73	7.16
B5	04/06/82	-100	-30.5	12.9	270	152	1.55	7.38
B5	04/06/82	-105	-32.0	12.7	280	150	1.59	7.32
B5	04/06/82	-115	-35.1	12.7	260	146	4.25	7.29
B5	04/06/82	-125	-38.1	12.9	235	130	6.75	7.19

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	04/06/82	-135	-41.1	12.9	290	180	14.75	6.99
B5	04/06/82	-140	-42.7	12.9	250	138	28.75	6.61
B5	04/06/82	-145	-44.2	12.9	180	90	.30	7.10
B5	04/06/82	-150	-45.7	12.9	190	90	.07	7.49
B5	04/06/82	-165	-50.3	12.9	220	130	.06	7.99
B5	04/06/82	-170	-51.8	13.1	285	156	.38	8.00
B5	04/26/82	0	0.0	11.7	175	90	1.28	6.56
B5	04/26/82	-10	-3.0	11.8	200	88	9.50	6.41
B5	04/26/82	-20	-6.1	11.8	135	46	15.00	6.00
B5	04/26/82	-30	-9.1	12.0	150	58	21.75	6.15
B5	04/26/82	-40	-12.2	12.2	160	62	22.50	6.25
B5	04/26/82	-45	-13.7	12.3	160	68	24.50	6.32
B5	04/26/82	-50	-15.2	12.6	150	60	24.00	6.37
B5	04/26/82	-55	-16.8	12.8	140	58	24.50	6.41
B5	04/26/82	-60	-18.3	12.8	150	66	29.50	6.38
B5	04/26/82	-65	-19.8	12.8	150	66	31.00	6.40
B5	04/26/82	-70	-21.3	13.0	165	88	13.25	6.62
B5	04/26/82	-75	-22.9	13.0	210	108	9.25	6.81
B5	04/26/82	-80	-24.4	13.2	240	130	10.50	7.00
B5	04/26/82	-85	-25.9	13.0	260	150	4.50	7.11
B5	04/26/82	-90	-27.4	13.1	250	152	2.30	7.28
B5	04/26/82	-100	-30.5	13.0	270	150	1.56	7.53
B5	04/26/82	-105	-32.0	13.1	290	154	1.70	7.62
B5	04/26/82	-115	-35.1	13.1	280	140	4.50	7.53
B5	04/26/82	-125	-38.1	13.1	255	132	5.75	7.42
B5	04/26/82	-135	-41.1	13.1	285	172	8.25	7.34

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	04/26/82	-140	-42.7	13.1	260	144	28.25	6.91
B5	04/26/82	-145	-44.2	12.9	185	92	.42	7.32
B5	04/26/82	-150	-45.7	13.1	190	90	.09	7.75
B5	04/26/82	-155	-47.2	13.0	205	110	.03	8.12
B5	04/26/82	-165	-50.3	13.1	230	130	.04	8.35
B5	04/26/82	-170	-51.8	13.1	300	162	.36	8.22
B5	05/28/82	0	0.0	12.9	--	84	1.26	6.72
B5	05/28/82	-10	-3.0	12.3	--	84	11.50	6.32
B5	05/28/82	-20	-6.1	12.0	--	42	12.50	5.94
B5	05/28/82	-30	-9.1	11.9	--	64	22.00	6.21
B5	05/28/82	-40	-12.2	11.8	--	56	20.75	6.15
B5	05/28/82	-45	-13.7	11.9	--	70	22.50	6.30
B5	05/28/82	-50	-15.2	12.2	--	68	25.75	6.33
B5	05/28/82	-55	-16.8	12.4	--	46	22.00	6.40
B5	05/28/82	-60	-18.3	12.6	--	58	22.50	6.42
B5	05/28/82	-65	-19.8	12.6	--	40	16.00	6.50
B5	05/28/82	-70	-21.3	12.8	--	42	6.75	6.65
B5	05/28/82	-75	-22.9	12.9	--	92	10.75	6.80
B5	05/28/82	-80	-24.4	13.0	--	114	7.50	6.89
B5	05/28/82	-85	-25.9	13.2	--	140	4.00	7.06
B5	05/28/82	-90	-27.4	13.2	--	150	3.40	7.12
B5	05/28/82	-100	-30.5	13.2	--	154	1.40	7.43
B5	05/28/82	-105	-32.0	13.2	--	152	1.65	7.55
B5	05/28/82	-115	-35.1	13.2	--	146	1.36	7.55
B5	05/28/82	-125	-38.1	13.2	--	140	2.70	7.43
B5	05/28/82	-135	-41.1	13.4	--	138	3.30	7.40

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	05/28/82	-140	-42.7	13.2	--	140	25.50	6.90
B5	05/28/82	-145	-44.2	13.4	--	90	.74	7.10
B5	05/28/82	-150	-45.7	13.4	--	72	.08	7.70
B5	05/28/82	-155	-47.2	13.4	--	110	.02	8.00
B5	05/28/82	-165	-50.3	13.6	--	132	.03	8.25
B5	05/28/82	-170	-51.8	13.7	--	154	.28	8.18
B5	06/21/82	0	0.0	13.1	--	106	3.10	6.80
B5	06/21/82	-10	-3.0	12.7	--	80	11.25	6.42
B5	06/21/82	-20	-6.1	12.3	--	44	13.20	5.99
B5	06/21/82	-30	-9.1	12.0	--	48	18.50	6.16
B5	06/21/82	-40	-12.2	12.1	--	54	19.00	6.12
B5	06/21/82	-45	-13.7	12.2	--	44	16.50	6.22
B5	06/21/82	-50	-15.2	12.4	--	44	18.50	6.26
B5	06/21/82	-55	-16.8	12.4	--	76	25.70	6.22
B5	06/21/82	-60	-18.3	12.6	--	72	30.50	6.23
B5	06/21/82	-65	-19.8	12.6	--	52	24.00	6.28
B5	06/21/82	-70	-21.3	12.8	--	50	9.50	6.50
B5	06/21/82	-75	-22.9	13.0	--	86	13.25	6.69
B5	06/21/82	-80	-24.4	13.1	--	120	8.50	6.81
B5	06/21/82	-85	-25.9	13.2	--	140	6.50	6.93
B5	06/21/82	-90	-27.4	13.2	--	144	5.25	6.95
B5	06/21/82	-100	-30.5	13.3	--	160	1.39	7.25
B5	06/21/82	-105	-32.0	13.3	--	154	1.65	7.32
B5	06/21/82	-115	-35.1	13.3	--	164	1.86	7.34
B5	06/21/82	-125	-38.1	13.6	--	140	2.30	7.33
B5	06/21/82	-135	-41.1	13.7	--	136	3.40	7.30

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	06/21/82	-140	-42.7	13.4	--	134	24.50	6.69
B5	06/21/82	-145	-44.2	13.8	--	90	1.12	6.88
B5	06/21/82	-150	-45.7	13.5	--	72	.08	7.48
B5	06/21/82	-155	-47.2	13.6	--	114	.03	7.73
B5	06/21/82	-165	-50.3	13.5	--	136	.04	8.10
B5	06/21/82	-170	-51.8	13.7	--	150	.33	7.92
B5	07/19/82	0	0	14.3	--	52	2.25	6.72
B5	07/19/82	-10	-3.0	13.9	--	80	11.75	6.49
B5	07/19/82	-20	-6.1	13.8	--	44	13.00	6.02
B5	07/19/82	-30	-9.1	13.1	--	62	21.00	6.41
B5	07/19/82	-40	-12.2	13.2	--	64	19.00	6.42
B5	07/19/82	-45	-13.7	13.3	--	66	23.25	6.62
B5	07/19/82	-50	-15.2	13.2	--	68	23.75	6.32
B5	07/19/82	-55	-16.8	13.4	--	62	21.50	6.48
B5	07/19/82	-60	-18.3	13.4	--	70	30.25	6.51
B5	07/19/82	-65	-19.8	13.4	--	68	30.50	6.62
B5	07/19/82	-70	-21.3	13.5	--	62	11.25	7.02
B5	07/19/82	-75	-22.9	13.9	--	120	14.25	7.20
B5	07/19/82	-80	-24.4	14.1	--	118	8.00	7.42
B5	07/19/82	-85	-25.9	14.2	--	156	8.00	6.79
B5	07/19/82	-90	-27.4	14.2	--	152	6.50	6.69
B5	07/19/82	-100	-30.5	14.2	--	150	1.52	7.00
B5	07/19/82	-105	-32.0	14.3	--	182	1.75	7.22
B5	07/19/82	-115	-35.1	14.4	--	174	1.92	7.60
B5	07/19/82	-125	-38.1	14.4	--	170	2.21	7.73
B5	07/19/82	-135	-41.1	14.8	--	152	3.20	7.75

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	07/19/82	-140	-42.7	14.7	--	124	21.50	7.23
B5	07/19/82	-145	-44.2	14.7	--	82	1.37	7.56
B5	07/19/82	-150	-45.7	14.6	--	72	.08	8.10
B5	07/19/82	-155	-47.2	14.7	--	134	.03	8.50
B5	07/19/82	-165	-50.3	14.7	--	134	.07	8.83
B5	07/19/82	-170	-51.8	15.0	--	158	.28	8.72
B5	08/17/82	0	0.0	14.2	210	100	3.40	6.43
B5	08/17/82	-10	-3.0	14.4	190	86	11.00	6.40
B5	08/17/82	-20	-6.1	14.1	130	46	12.75	6.03
B5	08/17/82	-30	-9.1	14.0	155	64	19.50	6.25
B5	08/17/82	-40	-12.2	14.1	150	58	18.25	6.30
B5	08/17/82	-45	-13.7	14.3	160	66	21.50	6.32
B5	08/17/82	-50	-15.2	14.3	165	70	23.50	6.46
B5	08/17/82	-55	-16.8	13.8	160	68	24.00	6.47
B5	08/17/82	-60	-18.3	13.8	170	72	29.00	6.38
B5	08/17/82	-65	-19.8	13.8	155	60	29.50	6.31
B5	08/17/82	-70	-21.3	14.1	140	62	11.75	6.50
B5	08/17/82	-75	-22.9	14.3	230	124	14.25	6.75
B5	08/17/82	-80	-24.4	14.6	230	120	7.50	6.82
B5	08/17/82	-85	-25.9	14.6	250	134	6.75	6.80
B5	08/17/82	-90	-27.4	14.7	275	144	5.50	6.99
B5	08/17/82	-100	-30.5	14.8	275	150	1.90	7.37
B5	08/17/82	-105	-32.0	14.8	290	158	1.50	7.62
B5	08/17/82	-115	-35.1	15.0	310	170	1.85	7.54
B5	08/17/82	-125	-38.1	15.4	310	158	2.40	7.54
B5	08/17/82	-135	-41.1	15.6	280	152	3.25	7.50

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	08/17/82	-140	-42.7	15.3	270	132	18.75	7.00
B5	08/17/82	-145	-44.2	15.5	185	72	1.90	7.20
B5	08/17/82	-150	-45.7	15.7	205	74	.22	7.85
B5	08/17/82	-155	-47.2	15.4	230	124	.03	8.00
B5	08/17/82	-165	-50.3	15.6	255	136	.02	8.39
B5	08/17/82	-170	-51.8	15.9	335	158	.29	8.19
B5	09/17/82	0	0.0	14.1	135	72	3.30	6.65
B5	09/17/82	-10	-3.0	13.6	150	80	9.00	6.54
B5	09/17/82	-20	-6.1	13.3	130	56	13.75	6.05
B5	09/17/82	-30	-9.1	13.0	150	62	21.25	6.22
B5	09/17/82	-40	-12.2	13.2	150	58	19.75	6.31
B5	09/17/82	-45	-13.7	13.2	155	66	22.25	6.39
B5	09/17/82	-50	-15.2	13.1	160	68	24.00	6.38
B5	09/17/82	-55	-16.8	13.1	150	66	25.25	6.42
B5	09/17/82	-60	-18.3	13.2	160	68	28.00	6.40
B5	09/17/82	-65	-19.8	13.2	160	72	33.75	6.46
B5	09/17/82	-70	-21.3	13.6	140	60	13.25	6.64
B5	09/17/82	-75	-22.9	13.8	200	112	13.25	6.88
B5	09/17/82	-80	-24.4	13.9	225	126	7.50	7.00
B5	09/17/82	-85	-25.9	14.0	255	144	9.25	7.10
B5	09/17/82	-90	-27.4	13.9	250	138	6.50	7.10
B5	09/17/82	-100	-30.5	14.1	295	160	4.40	7.18
B5	09/17/82	-105	-32.0	14.2	270	160	1.82	7.44
B5	09/17/82	-115	-35.1	14.3	290	170	1.90	7.55
B5	09/17/82	-125	-38.1	14.4	295	170	2.35	7.20
B5	09/17/82	-135	-41.1	15.1	305	172	2.90	7.32
B5	09/17/82	-140	-42.7	14.8	265	128	18.50	6.85

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	09/17/82	-145	-44.2	14.9	175	64	2.95	7.10
B5	09/17/82	-150	-45.7	15.1	200	68	.12	7.68
B5	09/17/82	-155	-47.2	14.9	250	130	.06	8.00
B5	09/17/82	-165	-50.3	14.7	245	130	.05	8.10
B5	09/17/82	-170	-51.8	15.1	325	164	.33	7.90
B5	10/18/82	0	0	13.5	155	70	3.90	6.60
B5	10/18/82	-10	-3.0	13.1	110	56	6.75	6.45
B5	10/18/82	-20	-6.1	12.8	135	56	16.00	5.85
B5	10/18/82	-30	-9.1	12.7	150	64	23.50	6.10
B5	10/18/82	-40	-12.2	12.9	150	60	21.00	6.12
B5	10/18/82	-45	-13.7	12.9	150	62	25.75	6.09
B5	10/18/82	-50	-15.2	13.0	130	56	20.25	6.20
B5	10/18/82	-55	-16.8	13.1	130	56	21.75	6.32
B5	10/18/82	-60	-18.3	13.1	150	66	27.25	6.32
B5	10/18/82	-65	-19.8	13.2	160	74	33.00	6.46
B5	10/18/82	-70	-21.3	13.5	170	90	18.00	6.62
B5	10/18/82	-75	-22.9	13.7	195	106	12.50	6.85
B5	10/18/82	-80	-24.4	14.0	250	140	9.25	7.02
B5	10/18/82	-85	-25.9	14.1	290	152	10.75	7.09
B5	10/18/82	-90	-27.4	14.2	285	134	7.25	6.99
B5	10/18/82	-100	-30.5	14.8	260	140	6.00	7.19
B5	10/18/82	-105	-32.0	14.9	265	152	2.90	7.32
B5	10/18/82	-115	-35.1	14.9	280	160	1.84	7.54
B5	10/18/82	-125	-38.1	15.2	305	172	2.10	7.25
B5	10/18/82	-135	-41.1	15.8	280	148	2.40	7.59
B5	10/18/82	-140	-42.7	15.7	270	124	16.25	6.78

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	10/18/82	-145	-44.2	15.6	170	64	3.05	7.00
B5	10/18/82	-150	-45.7	15.9	205	74	.11	7.47
B5	10/18/82	-155	-47.2	15.9	260	134	.06	7.56
B5	10/18/82	-165	-50.3	16.2	250	130	.07	8.00
B5	10/18/82	-170	-51.8	16.2	340	168	.35	8.01
B5	11/23/82	0	0	13.1	140	52	4.10	6.50
B5	11/23/82	-10	-3.0	12.9	130	62	7.75	6.40
B5	11/23/82	-20	-6.1	12.8	130	60	15.25	6.05
B5	11/23/82	-30	-9.1	12.4	150	60	20.75	6.12
B5	11/23/82	-40	-12.2	12.6	140	60	18.00	6.09
B5	11/23/82	-45	-13.7	12.8	150	68	23.50	5.62
B5	11/23/82	-50	-15.2	12.7	155	68	25.00	5.83
B5	11/23/82	-55	-16.8	12.9	135	66	25.50	6.00
B5	11/30/82	-60	-18.3	12.8	140	66	28.50	6.03
B5	11/30/82	-65	-19.8	13.0	140	72	33.75	6.13
B5	11/30/82	-70	-21.3	13.1	165	80	19.00	6.28
B5	11/30/82	-75	-22.9	12.7	140	86	12.25	6.30
B5	11/30/82	-80	-24.4	12.9	180	114	8.25	6.71
B5	11/30/82	-85	-25.9	12.9	190	128	8.25	6.85
B5	11/30/82	-90	-27.4	12.9	200	132	6.50	6.89
B5	11/30/82	-100	-30.5	13.1	270	150	7.00	6.82
B5	11/30/82	-105	-32.0	13.0	285	144	5.25	6.99
B5	11/30/82	-115	-35.1	13.1	310	152	2.25	7.15
B5	11/30/82	-125	-38.1	13.1	260	150	1.76	7.14
B5	11/30/82	-135	-41.1	13.6	280	174	2.05	7.15

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	11/30/82	-140	-42.7	13.2	280	148	11.00	6.72
B5	11/30/82	-145	-44.2	13.1	165	68	5.50	6.60
B5	11/30/82	-150	-45.7	13.3	190	72	.13	7.00
B5	11/30/82	-155	-47.2	13.3	200	110	.05	7.32
B5	11/30/82	-165	-50.3	13.1	230	140	.05	7.60
B5	11/30/82	-170	-51.8	13.6	315	162	.32	7.41
B5	01/10/83	0	0	12.5	180	88	6.50	6.46
B5	01/10/83	-10	-3.0	13.8	150	74	8.25	6.45
B5	01/10/83	-20	-6.1	13.6	130	62	14.50	6.25
B5	01/10/83	-30	-9.1	13.0	145	62	19.00	6.30
B5	01/10/83	-40	-12.2	13.1	130	58	14.45	6.29
B5	01/10/83	-45	-13.7	13.0	160	72	23.50	6.32
B5	01/10/83	-50	-15.2	13.1	160	74	26.00	6.45
B5	01/10/83	-55	-16.8	13.1	170	80	27.50	6.42
B5	01/10/83	-60	-18.3	12.9	155	68	27.25	6.43
B5	01/10/83	-65	-19.8	13.0	160	76	30.25	6.48
B5	01/10/83	-70	-21.3	13.1	180	92	22.50	6.58
B5	01/10/83	-75	-22.9	12.9	200	112	15.50	6.82
B5	01/10/83	-80	-24.4	13.1	200	110	7.75	7.00
B5	01/10/83	-85	-25.9	13.1	275	156	10.30	7.02
B5	01/10/83	-90	-27.4	13.1	280	158	8.00	7.11
B5	01/10/83	-100	-30.5	13.1	270	154	7.00	7.13
B5	01/10/83	-105	-32.0	13.4	260	150	6.25	7.15
B5	01/10/83	-115	-35.1	13.4	280	166	6.75	7.30
B5	01/10/83	-125	-38.1	13.3	300	170	1.95	7.40
B5	01/10/83	-135	-41.1	13.7	280	164	1.70	7.52

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	01/10/83	-140	-42.7	13.4	280	138	8.25	7.30
B5	01/10/83	-145	-44.2	13.4	175	78	6.75	7.10
B5	01/10/83	-150	-45.7	13.7	190	66	.27	7.80
B5	01/10/83	-155	-47.2	13.8	215	118	.06	7.99
B5	01/10/83	-165	-50.3	13.6	245	136	.05	8.30
B5	01/10/83	-170	-51.8	14.1	310	162	.29	8.20
B5	02/15/83	0	0.0	11.8	125	56	4.50	6.20
B5	02/15/83	-10	-3.0	13.4	160	74	7.75	6.35
B5	02/15/83	-20	-6.1	14.2	160	66	16.00	6.28
B5	02/15/83	-30	-9.1	13.7	140	66	17.75	6.19
B5	02/15/83	-40	-12.2	13.8	140	62	16.00	6.15
B5	02/15/83	-45	-13.7	13.6	150	72	20.00	6.24
B5	02/15/83	-50	-15.2	13.5	155	80	21.25	6.12
B5	02/15/83	-55	-16.8	13.4	155	78	22.50	6.22
B5	02/15/83	-60	-18.3	13.2	150	68	27.25	6.20
B5	02/15/83	-65	-19.8	13.7	150	70	25.75	6.22
B5	02/15/83	-70	-21.3	13.6	150	66	16.75	6.33
B5	02/15/83	-75	-22.9	13.4	210	116	17.00	6.53
B5	02/15/83	-80	-24.4	13.5	220	126	13.25	6.73
B5	02/15/83	-85	-25.9	13.4	220	124	7.75	6.90
B5	02/15/83	-90	-27.4	13.4	250	148	6.50	7.00
B5	02/15/83	-100	-30.5	13.4	280	148	6.75	6.91
B5	02/15/83	-105	-32.0	13.5	280	144	6.00	6.85
B5	02/15/83	-115	-35.1	13.5	285	150	4.25	7.06
B5	02/15/83	-125	-38.1	13.7	300	140	1.74	7.17
B5	02/15/83	-135	-41.1	13.6	280	162	1.56	7.12

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	02/15/83	-140	-42.7	13.4	280	158	5.25	6.90
B5	02/15/83	-145	-44.2	13.3	180	80	8.00	6.55
B5	02/15/83	-150	-45.7	13.5	155	62	.12	7.12
B5	02/15/83	-155	-47.2	13.4	200	96	.02	7.36
B5	02/15/83	-165	-50.3	13.2	235	140	.03	7.71
B5	02/15/83	-170	-51.8	13.6	330	170	.25	7.60
B5	03/15/83	0	0	11.7	80	46	2.00	6.25
B5	03/15/83	-10	-3.0	12.9	145	64	5.75	6.19
B5	03/15/83	-20	-6.1	13.5	160	66	16.25	6.12
B5	03/15/83	-30	-9.1	13.3	145	56	18.00	6.07
B5	03/15/83	-40	-12.2	13.6	140	52	16.75	6.04
B5	03/15/83	-45	-13.7	13.6	145	58	19.00	6.13
B5	03/15/83	-50	-15.2	13.6	140	56	19.50	6.15
B5	03/15/83	-55	-16.8	13.7	150	68	22.25	6.23
B5	03/15/83	-60	-18.3	13.6	150	76	27.75	6.25
B5	03/15/83	-65	-19.8	13.6	160	76	31.25	6.22
B5	03/15/83	-70	-21.3	13.8	155	74	20.25	6.32
B5	03/15/83	-75	-22.9	13.9	185	94	17.00	6.54
B5	03/15/83	-80	-24.4	13.8	220	130	13.75	6.70
B5	03/15/83	-85	-25.9	13.8	250	130	9.50	6.81
B5	03/15/83	-90	-27.4	13.7	275	142	9.50	6.91
B5	03/15/83	-100	-30.5	13.8	255	140	6.50	7.00
B5	03/15/83	-105	-32.0	13.9	280	152	6.50	7.00
B5	03/15/83	-115	-35.1	14.2	300	142	6.50	7.01
B5	03/15/83	-125	-38.1	14.1	330	158	3.25	7.32
B5	03/15/83	-135	-41.1	14.3	260	148	1.43	7.62
B5	03/15/83	-140	-42.7	14.2	290	152	5.50	7.27

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	03/15/83	-145	-44.2	14.3	185	82	9.50	6.82
B5	03/15/83	-150	-45.7	14.3	160	64	.11	7.40
B5	03/15/83	-155	-47.2	14.4	200	100	.03	7.76
B5	03/15/83	-165	-50.3	14.4	250	138	.06	8.20
B5	03/15/83	-170	-51.8	14.8	330	164	.28	8.09
B5	04/28/83	0	0	12.1	60	32	1.35	6.55
B5	04/28/83	-10	-3.0	12.5	120	58	6.25	6.32
B5	04/28/83	-20	-6.1	12.7	120	62	14.00	6.22
B5	04/28/83	-30	-9.1	13.2	100	48	12.25	6.15
B5	04/28/83	-40	-12.2	13.2	80	40	9.25	6.21
B5	04/28/83	-45	-13.7	13.2	90	40	11.25	6.22
B5	04/28/83	-50	-15.2	13.6	100	50	13.75	6.28
B5	04/28/83	-55	-16.8	13.7	145	70	21.25	6.30
B5	04/28/83	-60	-18.3	13.6	160	72	28.00	6.35
B5	04/28/83	-65	-19.8	13.7	140	60	23.75	6.30
B5	04/28/83	-70	-21.3	13.8	155	76	24.00	6.40
B5	04/28/83	-75	-22.9	14.3	200	98	17.50	6.59
B5	04/28/83	-80	-24.4	13.9	250	142	19.75	6.75
B5	04/28/83	-85	-25.9	14.1	240	132	8.75	6.92
B5	04/28/83	-90	-27.4	13.8	260	138	8.50	7.05
B5	04/28/83	-100	-30.5	14.1	290	142	5.75	6.95
B5	04/28/83	-105	-32.0	14.1	280	140	6.50	7.10
B5	04/28/83	-115	-35.1	14.3	275	148	6.00	7.00
B5	04/28/83	-125	-38.1	14.3	290	160	2.75	7.25
B5	04/28/83	-135	-41.1	14.4	265	156	1.50	7.50
B5	04/28/83	-140	-42.7	14.3	280	158	4.00	7.40
B5	04/28/83	-145	-44.2	14.1	190	86	10.75	6.74

Table 7.--Water-chemistry data from profile well B5, 1981-83--Continued

WELL	DATE	ELEVATION (FEET)	ELEVATION (METER)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	ALKALINITY (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)
B5	04/28/83	-150	-45.7	14.4	165	70	.14	7.50
B5	04/28/83	-155	-47.2	14.4	200	96	.06	7.71
B5	04/28/83	-165	-50.3	14.2	250	140	.08	8.10
B5	04/28/83	-170	-51.8	14.4	325	166	.25	8.00
B5	06/06/83	0	0	13.0	50	20	1.22	7.05
B5	06/06/83	-10	-3.0	12.7	80	40	4.00	6.62
B5	06/06/83	-20	-6.1	12.8	105	58	11.75	6.58
B5	06/06/83	-30	-9.1	--	60	34	7.00	6.50
B5	06/06/83	-40	-12.2	12.8	55	30	7.00	6.43
B5	06/06/83	-45	-13.7	13.1	60	32	7.50	6.50
B5	06/06/83	-50	-15.2	13.1	65	34	8.25	6.49
B5	06/06/83	-55	-16.8	13.5	70	34	9.50	6.55
B5	06/06/83	-60	-18.3	13.7	125	64	24.00	6.50
B5	06/06/83	-65	-19.8	13.6	110	54	20.75	6.43
B5	06/06/83	-70	-21.3	13.7	120	62	19.50	6.45
B5	06/06/83	-75	-22.9	13.8	185	94	17.00	6.55
B5	06/06/83	-80	-24.4	13.9	195	104	16.75	6.70
B5	06/06/83	-85	-25.9	13.8	250	134	9.00	6.92
B5	06/06/83	-90	-27.4	13.9	240	128	7.50	7.04
B5	06/06/83	-100	-30.5	13.8	280	152	6.25	7.10
B5	06/06/83	-105	-32.0	14.1	290	150	6.25	7.10
B5	06/06/83	-115	-35.1	14.1	280	156	6.50	7.10
B5	06/06/83	-125	-38.1	14.2	280	160	4.50	7.25
B5	06/06/83	-135	-41.1	14.6	255	150	1.22	7.50
B5	06/06/83	-140	-42.7	14.3	280	150	3.25	7.40
B5	06/06/83	-145	-44.2	14.6	185	82	11.00	6.81
B5	06/06/83	-150	-45.7	14.6	160	68	.11	7.62
B5	06/06/83	-155	-47.2	14.6	195	98	.05	7.75
B5	06/06/83	-165	-50.3	14.8	250	138	.03	8.11
B5	06/06/83	-170	-51.8	14.4	310	168	.12	8.05

Table 8.--Water-chemistry data from production wells, 1971-83

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
41	03/08/71	76	60	1.80	6.80	25.0	.01	25
41	04/21/71	78	60	1.60	7.00	16.0	.01	25
41	05/10/71	84	72	4.40	6.60	44.0	.01	25
41	06/11/71	70	44	3.80	6.80	23.0	.02	32
41	07/16/71	84	54	7.00	6.80	28.0	.01	18
41	08/17/71	85	56	6.40	6.70	34.0	--	20
41	09/15/71	56	56	3.80	6.60	28.0	.01	16
41	10/22/71	58	54	3.60	6.00	28.0	.01	18
41	12/21/71	78	82	3.00	7.00	16.0	.01	18
41	01/25/72	76	86	2.60	7.00	17.0	.01	18
41	02/16/72	70	42	2.60	6.80	23.0	.01	22
41	03/24/72	72	50	3.80	6.50	48.0	.17	18
41	04/28/72	78	56	4.00	6.50	52.0	--	18
41	05/18/72	88	58	4.40	6.80	26.0	.02	17
41	08/30/72	92	62	3.80	6.60	47.0	.02	17
41	09/26/72	100	74	7.00	6.40	64.0	.01	19
41	11/28/72	70	60	6.50	6.50	45.0	.01	16
41	12/26/72	78	60	7.00	6.60	41.0	.01	18
41	02/27/73	120	112	5.00	7.10	19.0	.01	28
41	03/30/73	118	116	5.40	7.00	27.0	.01	26
41	04/27/73	58	54	3.00	6.80	19.0	.01	20
41	05/24/73	114	72	3.20	7.00	23.0	.01	30
41	06/28/73	106	90	3.40	6.80	34.0	.01	31

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
41	08/30/73	106	82	5.00	6.60	50.0	.01	22
41	10/09/73	116	96	5.60	6.60	55.0	.01	24
41	11/06/73	108	102	5.60	6.80	36.0	.01	26
41	12/20/73	124	88	3.00	6.40	--	.01	24
41	01/29/74	110	82	3.20	6.60	58.0	.01	28
41	02/26/74	108	76	4.00	6.80	35.0	.01	22
41	03/28/74	110	76	4.20	6.90	28.0	.01	24
41	04/30/74	104	80	4.40	6.90	27.0	.01	22
41	07/24/74	114	90	6.20	7.10	19.0	.10	24
41	08/28/74	102	98	5.20	7.00	22.0	.10	26
41	09/27/74	100	84	5.60	7.00	20.0	.10	28
41	10/24/74	96	96	5.40	7.00	18.0	.10	28
41	11/21/74	100	96	4.80	7.00	21.0	.10	29
41	12/31/74	90	94	3.50	7.00	18.0	.10	30
41	02/28/75	94	86	4.20	7.00	19.0	.10	30
41	03/26/75	104	76	4.00	7.00	21.0	.10	31
41	04/23/75	106	80	4.20	7.00	31.0	.10	30
41	05/27/75	118	96	3.80	6.50	76.0	.10	28
41	07/29/75	112	96	3.20	6.70	45.0	.10	28
41	09/25/75	108	100	3.20	6.50	36.0	.10	28
41	11/25/75	104	94	3.20	6.90	27.0	.10	26
41	12/30/75	116	100	3.80	6.90	29.0	.10	22

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
41	02/19/76	110	104	4.00	6.80	35.0	.10	27
41	03/30/76	112	108	6.50	6.40	90.0	.20	20
41	04/23/76	110	100	7.00	6.50	75.0	.20	22
41	06/17/76	105	110	7.00	6.60	57.0	.15	22
41	07/19/76	98	90	6.20	6.80	30.0	.15	28
41	08/20/76	96	86	6.40	6.90	25.0	.20	28
41	09/21/76	97	85	6.50	6.80	26.0	.20	30
41	10/21/76	102	110	6.60	6.70	--	.15	24
41	11/18/76	95	66	7.60	6.90	24.0	.20	30
41	02/15/77	110	100	4.00	6.80	36.0	.10	26
41	03/15/77	110	104	7.00	6.70	45.0	.20	20
41	04/15/77	10	110	6.60	6.60	55.0	.20	20
41	05/16/77	108	100	6.80	6.80	35.0	.20	20
41	06/21/77	110	100	6.80	6.60	55.0	.20	25
41	07/21/77	120	110	7.30	6.50	80.0	--	20
41	08/19/77	118	112	6.50	6.50	80.0	--	20
41	09/15/77	120	104	6.50	6.60	62.0	--	12
41	10/20/77	112	90	7.20	6.50	80.0	--	19
41	12/20/77	110	98	4.20	6.60	55.0	--	23
41	01/16/78	118	100	5.20	6.60	60.0	--	10
41	02/15/78	100	110	4.60	6.50	65.0	--	25
41	03/14/78	120	90	6.00	6.60	65.0	--	22
41	04/12/78	100	90	5.00	6.40	--	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
41	05/11/78	120	104	6.00	6.70	48.0	--	23
41	06/12/78	120	98	7.00	6.70	48.0	--	22
41	07/17/78	102	92	5.40	6.70	40.0	--	25
41	08/11/78	104	100	5.40	6.40	--	--	16
41	09/15/78	110	84	5.10	6.60	60.0	--	22
41	10/25/78	106	90	7.00	6.40	--	--	22
41	11/15/78	110	110	8.00	6.60	58.0	--	23
41	12/13/78	108	104	10.00	6.80	35.0	--	25
41	01/22/79	118	100	10.00	6.80	38.0	--	25
41	02/22/79	100	100	9.50	6.50	65.0	--	25
41	03/20/79	96	100	10.00	6.50	85.0	--	30
41	04/19/79	120	110	9.00	6.90	30.0	--	22
41	05/21/79	104	94	14.50	6.60	55.0	.12	22
41	06/13/79	100	100	14.50	6.80	32.0	.12	22
41	08/16/79	108	90	14.00	6.50	70.0	--	25
41	10/23/79	120	96	15.00	6.60	60.0	--	23
41	11/20/79	118	94	15.00	6.70	48.0	--	24
41	12/17/79	118	100	16.25	6.70	48.0	--	24
41	01/13/80	96	100	15.00	6.70	40.0	--	20
41	02/14/80	100	100	12.50	6.40	--	--	30
41	03/14/80	118	90	15.00	6.70	47.0	--	25
41	04/15/80	104	90	15.00	6.70	42.0	--	20
41	05/13/80	116	92	16.25	6.60	60.0	--	20
41	06/16/80	104	90	15.00	6.70	42.0	--	23

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
41	07/11/80	110	102	16.00	6.60	55.0	--	22
41	08/12/80	100	100	16.25	6.60	51.0	--	25
41	09/15/80	100	90	15.00	6.50	66,0	.13	25
41	10/21/80	118	100	15.00	6.70	48.0	--	25
41	11/14/80	100	90	15.00	6.70	40.0	--	25
41	12/16/80	128	90	15.00	6.80	40.0	--	30
41	01/15/81	118	--	15.00	6.60	39.0	.11	30
41	02/16/81	104	100	12.00	6.50	68.0	--	30
41	03/16/81	110	100	15.00	6.60	58.0	--	25
41	04/15/81	124	94	15.00	6.70	50.0	.40	31
41	05/15/81	105	100	15.00	6.70	44.0	--	30
41	06/11/81	122	102	14.00	6.50	80.0	--	28
41	07/14/81	118	90	12.50	6.50	75.0	.03	35
41	08/28/81	120	92	15.00	6.70	50.0	--	25
41	09/17/81	118	90	15.00	6.50	75.0	--	25
41	10/27/81	120	100	15.50	6.50	77.0	--	28
41	11/19/81	96	62	15.00	6.30	--	--	15
41	12/15/81	120	96	15.50	6.60	64.0	--	15
41	01/22/82	110	120	14.50	6.70	45.0	--	30
41	09/23/82	118	90	14.50	6.60	62.0	--	30
41	10/20/82	110	86	14.00	6.60	56.0	--	21
41	11/19/82	120	90	15.00	6.60	62.0	--	25
41	12/20/82	78	64	15.00	6.70	32.0	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
41	01/17/83	110	92	13.00	6.50	72.0	--	25
41	02/16/83	80	74	11.00	6.60	42.0	--	25
41	03/18/83	78	68	10.00	6.70	32.0	--	25
41	04/26/83	76	66	15.00	6.60	40.0	--	20
41	05/16/83	118	100	10.00	6.70	48.0	--	30
41	06/22/83	72	70	9.20	6.60	37.0	--	23
42	03/08/71	60	50	4.00	6.40	45.0	.01	29
42	04/21/71	58	54	3.50	6.30	40.0	.01	30
42	05/10/71	40	40	6.50	6.40	26.0	.01	28
42	06/11/71	70	42	7.00	6.60	36.0	.02	28
42	07/16/71	102	72	7.00	6.80	34.0	.01	23
42	08/17/71	100	72	3.60	6.40	32.0	--	23
42	09/15/71	72	68	5.00	6.40	47.0	.01	18
42	10/22/71	68	68	5.20	6.40	55.0	.01	18
42	12/21/71	78	112	4.40	6.60	40.0	.01	22
42	01/25/72	78	108	3.20	6.80	38.0	.02	20
42	02/16/72	68	52	2.20	6.70	21.0	.02	18
42	03/24/72	60	42	4.80	6.70	38.0	.20	18
42	04/28/72	60	50	4.60	6.90	16.0	--	15
42	05/18/72	84	54	4.00	6.60	47.0	.03	20
42	08/30/72	86	58	4.80	6.60	27.0	.02	19
42	09/26/72	74	54	4.80	6.60	37.0	.01	22
42	11/28/72	78	56	5.00	6.80	24.0	.02	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
42	12/26/72	76	54	5.00	6.80	35.0	.01	22
42	02/27/73	116	122	5.20	6.60	60.0	.02	27
42	03/30/73	114	108	5.40	6.80	37.0	.01	28
42	04/27/73	80	56	4.20	6.70	32.0	.01	24
42	05/24/73	80	54	2.80	6.40	60.0	.01	25
42	06/28/73	70	52	2.80	6.60	37.0	.01	29
42	08/30/73	88	50	4.80	6.30	63.0	.01	22
42	10/09/73	92	64	5.40	6.50	60.0	.01	20
42	11/06/73	84	68	5.20	6.90	21.0	.01	20
42	12/20/73	84	76	4.20	6.40	--	.02	28
42	01/29/74	80	52	4.20	6.50	52.0	.01	24
42	02/26/74	80	70	3.60	6.40	--	.01	20
42	03/28/74	86	66	3.40	6.60	45.0	.01	20
42	04/30/74	98	82	3.60	6.80	33.0	.01	22
42	07/24/74	70	54	5.00	6.40	50.0	.10	23
42	08/28/74	84	64	4.80	6.60	36.0	.10	28
42	09/27/74	86	68	5.00	6.80	28.0	.10	28
42	10/24/74	92	84	5.20	6.90	23.0	.10	26
42	11/21/74	92	66	5.00	6.90	25.0	.10	28
42	12/31/74	54	58	6.00	6.90	16.0	.10	28
42	02/28/75	58	64	3.50	7.00	13.0	.10	26
42	03/26/75	92	90	3.20	7.00	18.0	.10	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
42	04/23/75	98	96	3.60	7.10	16.0	.10	24
42	05/27/75	78	74	3.60	6.60	42.0	.10	24
42	07/29/75	78	82	3.60	6.90	20.0	.10	20
42	09/25/75	86	98	3.40	6.90	22.0	.10	30
42	11/25/75	92	96	3.40	6.90	24.0	.10	30
42	12/30/75	80	90	3.00	6.70	33.0	.10	20
42	02/29/76	78	70	4.00	6.70	35.0	.10	25
42	03/30/76	80	70	6.40	6.40	65.0	.20	24
42	04/23/76	80	80	6.80	6.50	42.0	.20	22
42	06/17/76	80	70	6.80	6.40	60.0	.15	20
42	07/19/76	80	70	6.00	6.50	55.0	.20	24
42	08/20/76	82	70	6.00	6.50	55.0	.18	22
42	09/21/76	83	70	6.10	6.60	54.0	.18	24
42	10/21/76	80	70	6.40	6.50	--	.20	22
42	11/18/76	86	64	7.20	6.60	45.0	.20	23
42	02/15/77	74	120	4.30	6.60	36.0	.10	24
42	03/15/77	80	70	6.00	6.70	32.0	.20	20
42	04/15/77	80	74	6.50	6.50	50.0	.20	20
42	05/16/77	78	60	6.80	6.50	54.0	.20	22
42	06/21/77	80	60	6.20	6.50	54.0	.20	20
42	07/21/77	80	90	7.00	6.40	--	--	20
42	08/19/77	84	92	7.00	6.30	--	--	18
42	09/15/77	90	90	7.50	6.50	60.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
42	10/20/77	80	68	6.40	6.60	40.0	--	17
42	12/20/77	70	90	5.20	6.40	55.0	--	28
42	01/16/78	84	70	5.00	6.40	--	--	20
42	02/15/78	70	90	4.80	6.40	55.0	--	20
42	03/14/78	84	64	6.20	6.60	45.0	--	22
42	04/12/78	70	75	5.50	6.40	--	--	25
42	05/11/78	80	70	4.00	6.70	34.0	--	23
42	06/12/78	94	64	7.00	6.50	60.0	--	21
42	07/17/78	88	68	5.40	6.50	60.0	--	20
42	08/11/78	80	70	6.00	6.40	--	--	20
42	09/15/78	76	60	5.00	6.40	--	--	20
42	10/25/78	76	70	7.20	6.30	--	--	20
42	11/15/78	86	70	10.00	6.40	--	--	20
42	12/13/78	80	90	10.00	6.70	32.0	--	25
42	01/22/79	84	80	10.00	6.70	35.0	--	25
42	02/22/79	80	84	9.80	6.40	--	--	25
42	03/20/79	70	70	10.00	6.40	--	--	30
42	04/19/79	94	100	9.00	6.70	38.0	--	24
42	05/21/79	80	64	12.50	6.50	54.0	.10	22
42	06/13/79	82	82	13.00	6.60	43.0	.11	22
42	08/16/79	78	80	13.00	6.50	52.0	--	25
42	10/23/79	90	60	14.00	6.50	60.0	--	23
42	11/20/79	90	76	15.00	6.60	46.0	--	22

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
42	12/17/79	90	80	14.75	6.70	37.0	--	20
42	01/13/80	70	80	20.00	6.50	45.0	--	25
42	02/14/80	70	94	12.50	6.40	--	--	25
42	03/14/80	80	64	15.00	6.60	41.0	--	25
42	04/15/80	80	70	20.00	6.60	40.0	--	25
42	05/13/80	80	70	17.50	6.50	54.0	--	25
42	06/16/80	90	70	14.00	6.50	59.0	--	25
42	07/11/80	88	76	15.50	6.40	65.0	--	25
42	08/12/80	98	62	16.25	6.50	64.0	--	20
42	09/15/80	100	64	15.00	6.50	66.0	--	20
42	10/21/80	90	60	15.00	6.50	52.0	--	25
42	11/14/80	90	70	15.00	6.40	55.0	--	25
42	12/16/80	90	74	13.00	6.50	60.0	--	28
42	01/15/81	66	--	15.00	6.50	44.0	--	30
42	02/16/81	70	65	12.50	6.40	--	--	30
42	03/16/81	106	90	15.00	6.50	70.0	--	25
42	04/15/81	94	80	15.00	6.30	--	--	32
42	05/15/81	90	70	14.50	6.50	58.0	--	25
42	06/11/81	88	74	16.00	6.30	78.0	--	26
42	07/14/81	90	80	15.00	6.50	56.0	--	35
42	08/28/81	92	80	14.50	6.60	48.0	--	30
42	09/17/81	100	80	14.50	6.60	52.0	--	30
42	10/27/81	86	68	16.00	6.30	95.0	--	26

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
42	11/19/81	120	100	15.00	6.60	62.0	--	15
42	12/15/81	96	80	15.00	6.40	--	--	20
42	01/22/82	90	100	15.00	6.50	58.0	--	35
42	05/20/82	86	60	15.00	6.50	56.0	--	34
42	06/15/82	88	70	15.00	6.20	--	--	28
42	07/15/82	92	65	15.00	6.50	59.0	--	35
42	08/11/82	90	70	12.50	6.60	45.0	--	35
42	09/23/82	120	108	15.00	6.90	30.0	--	22
42	10/20/82	82	62	14.50	6.40	66.0	--	23
42	11/19/82	90	70	15.00	6.50	58.0	--	25
42	12/20/82	90	68	14.80	6.70	36.0	--	25
42	01/17/83	80	50	15.00	6.50	54.0	--	25
42	02/16/83	84	56	15.00	6.50	56.0	--	25
42	03/18/83	84	80	15.00	6.50	54.0	--	18
42	04/26/83	88	82	14.00	6.50	57.0	--	20
42	05/16/83	78	50	7.50	6.60	40.0	--	32
42	06/22/83	86	58	15.50	6.50	56.0	--	25
43	03/08/71	60	36	3.60	6.30	45.0	.01	28
43	04/21/71	56	40	3.20	6.40	30.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
43	05/10/71	112	116	3.60	6.80	47.0	--	28
43	06/11/71	68	42	7.00	6.50	45.0	.02	26
43	07/16/71	60	66	6.20	6.50	40.0	.01	20
43	08/17/71	64	68	5.80	6.20	40.0	--	22
43	09/15/71	122	102	6.80	6.90	32.0	.01	15
43	10/22/71	118	110	6.60	6.80	38.0	.01	14
43	12/21/71	112	150	4.00	6.80	36.0	.03	16
43	01/25/72	108	136	3.40	6.80	36.0	.01	16
43	02/16/72	116	104	2.80	7.00	24.0	.02	23
43	03/24/72	116	90	2.60	7.00	18.5	.14	13
43	04/28/72	117	98	2.40	7.00	13.0	--	12
43	05/18/72	112	76	3.40	6.90	28.0	.03	15
43	08/30/72	114	78	3.60	7.00	43.0	.03	15
43	09/26/72	34	32	5.80	6.30	30.0	.03	18
43	11/28/72	114	96	4.60	6.00	100.0	.01	18
43	12/26/72	110	104	4.40	6.00	100.0	.01	20
43	02/27/73	96	124	3.60	7.10	17.0	.01	26
43	03/30/73	92	126	3.40	7.10	16.0	.02	24
43	04/27/73	112	74	4.00	6.50	73.0	.02	22
43	05/24/73	68	48	3.00	6.20	70.0	.01	30
43	06/28/73	64	46	3.40	6.60	35.0	.01	30
43	08/30/73	108	78	4.20	6.20	--	.02	18
43	10/09/73	112	70	4.40	6.20	100.0	.01	22

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
43	11/06/73	114	74	4.60	6.60	59.0	.01	24
43	12/20/73	112	98	4.00	6.60	57.0	.01	26
43	01/29/74	108	100	4.60	6.40	--	.01	22
43	02/26/74	110	94	3.60	6.50	70.0	.02	17
43	03/28/74	116	98	3.60	6.60	59.0	.02	18
43	04/30/74	120	104	3.60	6.90	32.0	.02	18
43	07/24/74	114	114	3.00	6.80	34.0	.20	18
43	08/28/74	108	108	3.40	6.80	39.0	.20	20
43	09/27/74	110	102	3.20	6.80	35.0	.10	24
43	10/24/74	116	108	3.60	6.80	38.0	.10	20
43	11/21/74	108	104	3.60	6.80	36.0	.20	20
43	12/31/74	78	64	3.50	6.50	62.0	.10	25
43	02/28/75	84	84	3.00	6.80	28.0	.10	24
43	03/26/75	118	88	3.00	6.80	40.0	.10	24
43	04/23/75	112	84	3.40	6.90	26.0	.20	26
43	05/27/75	115	98	4.20	6.70	46.0	.10	26
43	07/29/75	114	102	3.80	6.80	37.0	.10	28
43	09/25/75	110	108	4.00	6.90	28.0	.10	28
43	11/25/75	108	102	3.80	7.10	17.5	.10	28
43	12/30/75	108	115	4.20	7.00	22.0	.20	18
43	02/19/76	104	92	4.00	6.70	42.0	.10	17
43	03/30/76	110	112	6.20	6.50	72.0	.10	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
43	04/23/76	104	100	6.20	6.70	42.0	.10	18
43	06/17/76	110	90	7.00	6.50	78.0	.10	18
43	07/19/76	96	120	6.20	6.80	32.0	.18	18
43	08/20/76	94	118	6.20	6.70	38.0	.15	18
43	09/21/76	90	120	6.20	6.70	40.0	.20	18
43	10/21/76	104	110	7.00	6.60	--	.15	18
43	11/18/76	90	100	6.60	6.80	25.0	.17	19
43	02/15/77	96	96	4.20	6.80	32.0	.15	18
43	03/15/77	118	110	7.00	6.70	50.0	.30	10
43	04/15/77	110	100	6.40	6.60	58.0	.15	15
43	05/16/77	108	100	6.20	6.70	45.0	.22	18
43	06/21/77	108	90	5.80	6.60	54.0	.30	18
43	07/21/77	104	90	7.00	6.60	50.0	--	15
43	08/19/77	104	94	7.00	6.50	50.0	--	16
43	09/15/77	110	110	7.00	6.60	56.0	--	10
43	10/20/77	106	94	8.20	6.60	55.0	--	14
43	12/20/77	90	100	5.40	6.70	36.0	--	20
43	01/16/78	106	98	5.40	6.50	75.0	--	18
43	02/15/78	104	100	5.80	6.40	75.0	--	20
43	03/14/78	90	90	5.00	6.80	28.0	--	18
43	04/12/78	102	110	4.50	6.40	--	--	20
43	05/11/78	110	90	5.80	6.80	36.0	--	20
43	06/12/78	114	92	6.00	6.70	45.0	--	17

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
43	07/17/78	110	90	4.80	6.70	45.0	--	18
43	08/11/78	102	104	6.00	6.50	67.0	--	18
43	09/15/78	110	92	4.30	6.60	60.0	--	15
43	10/25/78	108	100	7.00	6.40	--	--	16
43	11/15/78	110	100	9.00	6.60	58.0	--	22
43	12/13/78	100	100	10.00	6.80	31.0	--	20
43	01/22/79	118	100	9.60	6.80	38.0	--	20
43	02/22/79	100	90	9.50	6.60	55.0	--	22
43	03/20/79	100	100	10.00	6.60	54.0	--	20
43	04/19/79	110	104	8.50	6.70	45.0	--	20
43	05/21/79	106	92	9.50	6.70	44.0	.12	18
43	06/13/79	110	100	9.50	6.80	36.0	.12	20
43	08/16/79	100	94	9.00	6.60	54.0	--	20
43	10/23/79	110	92	10.00	6.50	70.0	--	19
43	11/20/79	110	80	12.50	6.80	35.0	--	20
43	12/17/79	92	90	12.50	6.70	38.0	--	18
43	01/13/80	100	105	12.50	6.60	52.0	--	20
43	02/14/80	100	90	9.00	6.50	65.0	--	20
43	03/14/80	108	94	15.00	6.60	55.0	--	20
43	04/15/80	108	80	15.00	6.60	55.0	--	20
43	05/13/80	100	100	12.50	6.50	65.0	--	20
43	06/16/80	110	94	9.00	6.60	55.0	--	20
43	07/11/80	112	94	10.00	6.60	55.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
43	08/12/80	108	82	13.00	6.60	56.0	--	20
43	09/15/80	105	90	11.00	6.60	55.0	--	18
43	10/21/80	100	100	11.50	6.60	52.0	--	20
43	11/14/80	104	90	11.00	6.60	55.0	--	25
43	12/16/80	110	98	10.50	6.70	45.0	--	25
43	01/15/81	90	--	10.00	6.50	58.0	--	20
43	02/16/81	100	90	8.50	6.50	65.0	--	25
43	03/16/81	90	78	11.00	6.50	59.0	--	30
43	04/15/81	108	82	10.50	6.50	74.0	--	22
43	05/15/81	96	100	10.00	6.60	48.0	--	25
43	06/11/81	114	96	10.50	6.60	57.0	--	21
43	07/14/81	100	84	10.00	6.50	65.0	--	30
43	08/28/81	104	90	10.50	6.60	54.0	--	25
43	09/17/81	90	90	10.00	6.50	58.0	--	25
43 [1]	10/27/81	110	90	11.00	6.30	100.0	--	21
43 [1]	11/19/81	120	108	5.50	7.00	24.0	--	18
43 [1]	12/15/81	125	102	4.00	6.90	33.0	--	15
43 [1]	01/22/82	130	104	4.00	7.00	26.0	--	25
43 [1]	05/20/82	136	118	4.50	6.90	35.0	--	30
43 [1]	06/15/82	132	110	4.37	6.70	54.0	--	20
43 [1]	07/15/82	130	108	4.37	6.90	32.0	--	25
43 [1]	08/11/82	136	110	4.00	7.00	29.0	--	30
43 [1]	09/23/82	90	68	4.50	6.60	47.0	--	30

1/ Well pumping from lower screen only.

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
43 1/	10/20/82	106	98	4.50	7.20	14.0	--	24
43 1/	11/19/82	115	110	5.00	7.10	17.0	--	20
43 1/	12/20/82	138	110	4.25	7.00	28.0	--	20
43 1/	01/17/83	136	116	4.00	6.90	36.0	--	22
43 1/	02/16/83	134	120	4.60	6.90	37.0	--	25
43 1/	03/18/83	136	162	8.00	6.90	35.0	--	20
43 1/	04/26/83	140	118	5.80	7.00	28.0	--	25
43 1/	05/16/83	142	132	4.50	7.00	28.0	--	28
43 1/	06/22/83	140	128	5.75	6.80	45.0	--	19
44	03/08/71	80	64	5.00	6.40	55.0	.01	29
44	04/21/71	80	60	4.80	6.60	44.0	.01	29
44	05/10/71	86	60	5.80	6.60	35.0	.01	29
44	06/11/71	108	82	2.40	7.00	22.0	.01	40
44	07/16/71	72	38	8.00	6.20	48.0	.01	12
44	08/17/71	76	44	--	6.00	48.0	--	14
44	09/15/71	114	92	3.80	7.00	23.0	.01	23
44	10/22/71	116	94	3.80	7.10	18.0	.02	26
44	12/21/71	108	110	2.20	7.10	18.0	.02	23
44	01/25/72	108	112	1.80	7.10	18.0	.01	22
44	02/16/72	118	84	--	7.00	25.0	.03	17
44	03/24/72	118	92	2.00	7.10	19.5	.15	22
44	04/28/72	120	96	1.60	7.20	16.0	--	24

1/ Well pumping from lower screen only.

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
44	05/18/72	104	84	2.60	7.00	21.0	.04	22
44	08/30/72	108	78	3.00	7.20	24.0	.03	22
44	09/26/72	110	80	5.20	6.90	28.0	.03	23
44	11/28/72	104	88	4.20	7.00	22.0	.01	22
44	12/26/72	108	92	3.60	7.20	14.0	.02	18
44	02/27/73	120	114	3.20	7.00	23.0	.01	18
44	03/30/73	124	112	3.00	7.10	19.5	.01	18
44	04/27/73	106	88	2.00	6.90	28.0	.02	20
44	05/24/73	118	80	3.60	6.90	30.0	.01	31
44	06/28/73	94	96	3.80	6.80	30.0	.01	30
44	08/30/73	116	88	4.00	6.70	47.0	.01	22
44	10/09/73	116	96	4.00	6.90	29.0	.01	26
44	11/06/73	116	84	4.20	7.10	18.0	.04	26
44	12/20/73	112	46	4.00	6.80	35.0	.01	22
44	01/29/74	106	88	4.80	6.90	28.0	.02	22
44	02/26/74	104	92	3.20	6.50	68.0	.01	21
44	03/28/74	108	90	3.80	6.80	36.0	.02	20
44	04/30/74	112	110	4.00	6.80	37.0	.02	24
44	07/24/74	114	102	2.20	7.00	23.0	.10	23
44	08/28/74	108	100	2.80	7.10	17.0	.10	28
44	09/27/74	112	106	3.40	7.10	18.0	.10	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
44	10/24/74	112	100	3.00	7.00	23.0	.10	28
44	11/21/74	108	106	3.20	7.10	17.5	.20	31
44	12/31/74	106	88	1.50	6.90	27.0	.20	32
44	02/28/75	102	96	3.20	7.00	21.0	.10	30
44	03/26/75	110	100	3.20	6.80	36.0	.10	32
44	04/23/75	108	102	3.20	6.80	36.0	.20	32
44	05/27/75	112	94	3.20	6.80	37.0	.20	22
44	07/29/75	110	90	2.80	6.80	35.0	.20	26
44	09/25/75	110	110	2.80	7.00	23.0	.20	24
44	11/25/75	116	112	3.00	7.00	23.0	.20	22
44	12/30/75	104	100	3.00	7.00	21.0	.10	17
44	02/19/76	100	98	3.80	6.90	27.0	.10	20
44	03/30/76	106	84	6.20	6.90	27.0	.15	22
44	04/23/76	100	102	6.20	6.90	26.0	.15	20
44	06/17/76	100	90	7.00	6.60	50.0	.20	20
44	07/19/76	100	86	6.20	6.90	26.0	.20	20
44	08/20/76	100	80	--	6.90	26.0	.20	24
44	09/21/76	100	90	2.00	6.90	28.0	.20	22
44	10/21/76	100	86	7.00	6.90	--	.20	20
44	11/18/76	100	90	5.00	7.00	20.0	.20	24
44	02/15/77	100	100	4.00	7.00	20.0	.15	24
44	03/15/77	104	86	6.00	6.70	42.0	.20	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
44	04/15/77	108	90	6.40	6.70	45.0	.20	20
44	05/16/77	100	110	6.20	6.80	33.0	.20	20
44	06/21/77	104	84	7.50	6.70	43.0	.20	24
44	07/21/77	104	104	6.00	6.70	42.0	--	20
44	08/19/77	100	104	6.80	6.70	42.0	--	20
44	09/15/77	104	120	7.00	6.60	54.0	--	10
44	10/20/77	104	92	5.60	6.60	52.0	--	16
44	12/20/77	100	80	5.60	6.60	50.0	--	20
44	01/16/78	106	100	5.40	6.80	35.0	--	20
44	02/15/78	102	100	5.00	6.60	55.0	--	20
44	03/14/78	104	98	5.00	6.80	34.0	--	20
44	04/12/78	100	100	4.50	6.70	45.0	--	24
44	05/11/78	110	100	4.00	7.00	23.0	--	20
44	06/12/78	110	92	6.00	6.90	28.0	--	21
44	07/17/78	104	94	4.80	6.70	45.0	--	20
44	08/11/78	100	100	5.80	6.60	50.0	--	22
44	09/15/78	100	100	4.20	6.60	52.0	--	22
44	10/25/78	104	88	7.00	6.50	65.0	--	20
44	11/15/78	104	110	8.00	6.60	55.0	--	20
44	12/13/78	104	100	9.00	6.80	33.0	--	25
44	01/22/79	110	100	8.40	6.90	29.0	--	20
44	02/22/79	100	100	6.20	6.60	55.0	--	22
44	03/20/79	100	105	8.00	6.70	40.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
44	04/19/79	104	96	8.50	6.90	27.0	--	24
44	05/21/79	100	88	9.00	6.80	32.0	.10	21
44	06/13/79	104	90	9.50	6.90	28.0	.10	20
44	08/16/79	100	84	9.00	6.80	33.0	--	20
44	10/23/79	104	86	10.00	6.80	34.0	--	21
44	11/20/79	110	84	11.25	6.90	28.0	--	22
44	12/17/79	102	92	12.25	6.90	28.0	--	20
44	01/13/80	100	105	12.50	6.70	42.0	--	25
44	02/14/80	96	100	8.00	6.70	40.0	--	25
44	03/14/80	100	90	12.50	6.70	40.0	--	25
44	04/15/80	104	90	15.00	6.70	42.0	--	25
44	05/13/80	100	90	12.50	6.70	41.0	--	22
44	06/16/80	100	94	.90	6.60	52.0	--	23
44	07/11/80	100	100	10.00	6.60	49.0	--	22
44	08/12/80	100	82	13.00	6.70	40.0	--	20
44	09/15/80	100	94	9.00	6.60	52.0	--	25
44	10/21/80	100	90	10.00	6.70	41.0	--	25
44	11/14/80	100	100	10.00	6.80	32.0	--	25
44	12/16/80	100	100	10.00	7.30	10.0	--	25
44	01/15/81	94	--	9.50	6.70	38.0	--	25
44	02/16/81	100	104	8.00	6.60	52.0	--	25
44	03/16/81	104	90	10.00	6.70	43.0	--	25
44	04/15/81	104	90	10.50	6.70	42.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
44	05/15/81	100	96	9.50	6.70	41.0	--	25
44	06/11/81	110	90	9.50	6.60	55.0	--	26
44	07/14/81	100	90	9.50	6.60	52.0	--	32
44	08/28/81	110	94	9.50	6.90	28.0	--	25
44 1/	09/17/81	102	90	10.50	6.60	53.0	--	25
44 1/	10/22/81	120	100	3.10	7.20	16.0	--	32
44 1/	10/27/81	108	94	10.50	6.50	70.0	--	26
44 1/	11/19/81	118	108	5.25	7.00	23.0	--	15
44 1/	12/15/81	118	104	5.50	6.90	31.0	--	22
44 1/	01/22/82	116	105	5.20	6.90	30.0	--	30
44 1/	06/15/82	110	92	6.25	6.70	45.0	--	23
44 1/	07/15/82	110	96	7.50	7.00	23.0	--	27
44 1/	08/11/82	106	100	6.50	6.90	29.0	--	26
44 1/	09/23/82	100	100	7.50	6.80	32.0	--	25
44 1/	10/20/82	114	102	7.25	6.80	36.0	--	25
44 1/	11/19/82	110	100	7.25	6.90	28.0	--	25
44 1/	12/20/82	100	90	7.25	6.80	32.0	--	25
44 1/	01/17/83	110	90	6.50	6.80	37.0	--	25
44 1/	02/16/83	108	96	6.75	6.80	34.0	--	20
44 1/	03/18/83	112	120	6.80	6.90	29.0	--	23
44 1/	04/26/83	112	94	6.60	7.00	24.0	--	28
44 1/	05/16/83	108	102	6.50	6.90	29.0	--	30
44 1/	06/22/83	116	110	6.25	6.90	30.0	--	23

1/ Well pumping from lower screen only.

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
45	03/08/71	100	90	.01	7.40	8.0	.01	30
45	04/21/71	102	108	--	7.40	5.0	.01	30
45	05/10/71	82	80	.50	7.20	8.0	.02	31
45	06/11/71	100	88	.04	7.40	8.0	.01	38
45	07/16/71	100	94	.08	7.20	13.0	.03	26
45	08/17/71	106	98	.05	7.00	22.0	--	22
45	09/15/71	100	104	.01	7.40	8.0	.03	24
45	10/22/71	108	106	--	7.60	6.0	.03	26
45	12/21/71	104	111	.02	7.40	8.0	.04	22
45	01/25/72	106	108	--	7.20	19.0	.01	20
45	02/16/72	96	86	--	7.30	9.5	.02	18
45	03/24/72	86	80	--	7.10	14.0	.22	20
45	04/28/72	82	76	--	7.20	11.0	--	18
45	05/18/72	102	74	.04	7.30	11.0	.04	22
45	08/30/72	112	88	--	7.60	11.0	.04	20
45	09/26/72	114	82	--	7.10	18.0	.03	24
45	11/28/72	108	90	--	7.30	13.0	.03	26
45	12/26/72	102	92	--	7.50	7.0	.02	24
45	02/27/73	108	128	.01	7.40	8.5	.01	19
45	03/30/73	114	124	.01	7.40	9.0	.01	22
45	04/27/73	68	52	.01	7.00	14.0	.02	26
45	05/24/73	98	78	--	7.30	9.0	.02	22
45	06/28/73	104	102	--	7.20	13.0	.02	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
45	08/30/73	116	98	.01	7.40	9.0	.03	26
45	10/09/73	132	112	.02	7.00	46.0	.04	26
45	11/06/73	136	116	--	7.10	22.0	.04	26
45	12/20/73	112	92	.01	7.10	18.0	.02	20
45	01/29/74	106	86	.01	7.10	17.0	.02	20
45	02/26/74	108	88	--	7.10	17.0	.02	24
45	03/30/74	108	104	.01	7.00	23.0	.02	26
45	04/30/74	110	110	.01	7.10	18.0	.01	28
45	07/24/74	110	88	.03	7.40	8.5	.30	21
45	08/28/74	112	96	.02	7.30	14.0	.30	26
45	09/27/74	122	104	.02	7.20	16.0	.30	30
45	10/24/74	120	110	--	7.20	15.0	.20	28
45	11/21/74	116	106	.02	7.10	18.5	.40	30
45	12/31/74	104	96	--	7.10	17.0	.40	26
45	02/28/75	106	110	.01	7.10	17.0	.20	22
45	03/26/75	100	96	--	7.10	16.0	.20	24
45	04/23/75	106	100	--	7.10	17.0	.40	26
45	05/27/75	112	90	--	7.20	14.0	.20	18
45	07/29/75	112	90	--	7.10	18.0	.20	18
45	09/25/75	114	88	--	7.10	17.0	.20	22
45	11/25/75	114	94	--	7.10	18.5	.10	22
45	12/30/75	104	94	.01	7.40	8.5	.30	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
45	02/19/76	100	92	.08	7.30	10.0	.10	20
45	03/30/76	104	95	.08	7.40	8.5	.10	22
45	04/23/76	100	95	.10	7.30	10.0	.10	20
45	06/17/76	100	96	.40	7.40	8.0	.10	20
45	07/19/76	102	90	.05	7.30	10.0	.15	24
45	08/20/76	104	94	.01	7.30	11.0	.18	22
45	09/21/76	102	94	.02	7.30	12.0	.18	24
45	10/21/76	108	128	.02	7.30	18.0	.30	21
45	11/18/76	100	95	.03	7.20	14.0	.22	25
45	02/15/77	100	120	.30	7.30	10.0	.12	24
45	03/15/77	110	88	.15	7.30	12.0	.20	20
45	04/15/77	98	110	.40	7.30	10.0	.20	20
45	05/16/77	102	100	.30	7.40	9.0	.20	20
45	06/21/77	102	110	.80	7.40	9.0	.25	20
45	07/21/77	102	112	1.00	7.20	16.0	--	20
45	08/19/77	102	110	1.00	7.20	16.0	--	22
45	09/15/77	110	104	1.00	7.10	16.0	--	15
45	10/20/77	106	86	.80	7.10	17.5	--	17
45	12/20/77	110	90	--	7.10	16.0	--	20
45	01/16/78	104	100	.03	7.10	17.0	--	20
45	02/15/78	108	100	.05	7.10	15.0	--	18
45	03/14/78	104	98	1.00	7.30	11.0	--	18
45	04/12/78	102	100	1.00	7.30	12.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
45	05/11/78	100	100	1.00	7.30	10.0	--	20
45	06/12/78	106	94	.20	7.20	13.0	--	20
45	07/17/78	100	84	.80	7.30	50.0	--	20
45	08/11/78	102	90	1.00	7.10	16.0	--	20
45	09/15/78	100	90	.50	7.10	17.0	--	20
45	10/25/78	104	90	2.30	7.10	17.0	--	18
45	11/15/78	104	100	.80	7.10	17.0	--	20
45	12/13/78	102	90	1.00	7.40	8.0	--	20
45	01/22/79	104	90	1.10	7.30	10.0	--	25
45	02/22/79	100	104	2.00	7.30	10.0	--	25
45	03/20/79	105	100	.20	7.30	12.0	--	20
45	04/19/79	100	96	.60	7.30	10.0	--	20
45	05/21/79	104	90	.30	7.30	11.0	.10	20
45	06/13/79	104	90	.30	7.40	8.5	.10	22
45	08/16/79	104	96	.40	7.40	8.0	--	20
45	10/23/79	106	104	.28	7.30	11.0	--	21
45	11/20/79	104	94	.30	7.40	8.5	--	20
45	12/17/79	104	90	.29	7.40	8.2	--	18
45	01/13/80	104	110	.38	7.30	11.0	--	30
45	02/14/80	102	96	.20	7.30	12.0	--	20
45	03/14/80	104	98	.30	7.30	11.0	--	25
45	04/15/80	100	90	.20	7.30	10.0	--	20
45	05/13/80	102	90	.40	7.30	11.0	--	22

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
45	06/16/80	104	90	.50	7.20	13.0	--	23
45	07/11/80	108	92	.60	7.50	68.0	--	23
45	08/12/80	104	86	.20	7.30	11.0	.10	20
45	09/15/80	100	100	.45	7.30	10.0	--	18
45	10/21/80	102	108	.25	7.30	10.5	--	20
45	11/14/80	100	100	.35	7.30	10.0	--	30
45	12/16/80	104	104	.10	7.40	8.2	--	25
45	01/15/81	104	--	.39	7.40	8.4	--	25
45	02/16/81	104	100	.08	7.30	10.0	--	25
45	03/16/81	100	100	.50	7.20	13.0	--	25
45	04/15/81	108	96	.46	7.30	12.0	--	25
45	05/15/81	100	100	.19	7.30	10.0	--	25
45	06/11/81	114	94	2.30	7.10	18.5	--	27
45	07/14/81	104	94	.20	7.30	11.0	--	32
45	08/28/81	110	96	.20	7.20	14.0	--	28
45	09/17/81	104	94	.22	7.20	13.0	--	25
45	10/27/81	112	90	1.70	7.10	18.0	--	25
45	11/19/81	100	100	.20	7.30	10.0	--	20
45	12/15/81	100	100	.25	7.20	13.0	--	25
45	01/22/82	102	95	.35	7.20	13.0	--	30
45	05/20/82	100	92	.18	7.30	10.0	--	30
45	06/15/82	104	104	.18	7.30	11.0	--	25
45	07/15/82	100	90	.38	7.20	13.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
45	08/11/82	104	92	.15	7.30	13.0	--	32
45	09/23/82	90	90	.18	7.30	9.2	--	25
45	10/20/82	108	94	.18	7.30	1.1	--	24
45	11/19/82	100	84	.28	7.30	10.0	--	25
45	12/20/82	102	94	.28	7.30	10.0	--	25
45	01/17/83	100	90	.60	7.30	10.0	--	25
45	02/16/83	108	90	.15	7.30	11.0	--	25
45	03/18/83	102	108	.18	7.30	10.0	--	22
45	04/26/83	116	94	.40	7.40	9.20	--	28
45	05/16/83	104	100	.18	7.30	11.0	--	30
45	06/22/83	108	98	.35	7.30	11.0	--	25
46	03/08/71	122	110	.01	7.50	8.0	.01	32
46	04/21/71	130	114	--	7.50	8.0	.01	31
46	05/10/71	126	114	.02	7.40	14.0	.01	31
46	06/11/71	122	116	.02	7.50	8.0	.01	40
46	07/16/71	170	122	.01	7.50	11.0	.02	28
46	08/17/71	168	96	.10	7.10	28.0	--	31
46	09/15/71	124	102	1.20	7.60	6.0	.03	24
46	10/22/71	120	100	.04	7.60	6.0	--	26
46	12/21/71	124	118	.01	7.60	7.5	--	26
46	01/25/72	118	118	--	7.40	9.0	.01	26
46	02/16/72	130	110	--	7.50	8.0	.04	16

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
46	03/24/72	126	126	--	7.40	21.0	.23	14
46	04/28/72	130	118	--	7.30	13.5	--	--
46	05/18/72	136	104	.01	7.60	7.5	.04	25
46	08/30/72	124	114	--	7.60	14.0	.04	27
46	09/26/72	114	86	--	7.20	14.0	.04	26
46	11/28/72	124	114	--	7.00	26.0	.04	28
46	12/26/72	126	116	--	7.10	21.0	.04	26
46	02/27/73	110	132	--	7.50	65.0	.01	26
46	03/30/73	120	128	--	7.60	8.0	.04	30
46	04/27/73	120	100	--	7.50	7.5	.04	29
46	05/24/73	130	98	--	7.50	8.5	.04	24
46	06/28/73	126	116	--	7.40	11.0	.04	26
46	08/30/73	134	108	--	7.40	11.0	.04	24
46	10/09/73	128	110	--	7.10	21.0	.04	24
46	11/06/73	130	126	--	7.00	27.0	.04	22
46	12/20/73	132	106	.01	7.30	16.0	.04	30
46	01/29/74	132	114	--	7.30	14.0	.04	31
46	02/26/74	125	112	--	7.20	16.0	.04	27
46	03/28/74	120	110	.01	7.20	15.0	.04	28
46	04/30/74	116	114	.04	7.20	15.0	.04	28
46	07/24/74	124	114	.01	7.40	9.5	.40	25
46	08/28/74	120	112	--	7.40	10.0	.40	30
46	09/27/74	124	120	--	7.30	14.0	.40	28

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
46	10/24/74	126	132	--	7.40	20.0	.40	26
46	11/21/74	120	124	--	7.20	15.0	.20	26
46	12/31/74	128	122	--	7.30	13.0	.40	21
46	02/28/75	132	124	--	7.30	8.0	.40	24
46	03/26/75	116	130	--	7.10	18.5	.40	16
46	04/23/75	116	126	--	7.00	23.0	.40	14
46	05/27/75	130	118	--	7.40	11.0	.40	24
46	07/29/75	132	106	--	7.40	11.0	.40	22
46	09/25/75	128	108	--	7.50	8.0	.40	22
46	11/25/75	124	108	--	7.30	13.0	.40	28
46	12/30/75	116	110	--	7.60	6.0	.40	25
46	02/19/76	110	116	.07	7.40	90.0	.10	25
46	03/30/76	115	120	--	7.50	7.5	.15	28
46	04/23/76	120	120	.02	7.40	9.0	.20	25
46	06/17/76	118	110	.10	7.50	7.0	.15	30
46	07/19/76	112	120	--	7.40	9.0	.15	30
46	08/20/76	112	116	2.00	7.40	9.0	.15	32
46	09/21/76	110	112	.06	7.40	10.0	.15	32
46	10/21/76	114	116	.10	7.40	--	.15	30
46	11/18/76	108	108	.08	7.40	8.0	.20	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
46	02/15/77	110	120	.10	7.40	9.0	.15	28
46	03/15/77	120	114	--	7.50	7.0	.25	25
46	04/15/77	110	120	.10	7.40	9.0	.10	30
46	05/16/77	120	118	.10	7.50	80.0	.20	30
46	06/21/77	120	118	.60	7.40	9.0	.20	28
46	07/21/77	112	120	.04	7.30	11.0	--	25
46	08/19/77	110	118	.20	7.30	11.0	--	25
46	09/15/77	120	120	.01	7.20	15.0	--	20
46	10/20/77	118	112	1.20	7.20	15.0	--	20
46	12/20/77	112	110	4.80	7.10	18.0	--	22
46	01/16/78	120	104	.01	7.20	15.0	--	25
46	02/15/78	130	105	--	7.20	16.0	--	25
46	03/14/78	116	110	--	7.50	65.0	--	25
46	04/12/78	120	120	.05	7.30	17.0	--	25
46	05/11/78	120	118	--	7.50	8.0	--	22
46	06/12/78	118	116	.13	7.50	8.0	--	26
46	07/17/78	120	104	.50	7.40	10.0	--	25
46	08/11/78	120	120	.10	7.20	10.0	--	25
46	09/15/78	110	110	--	7.30	10.0	--	25
46	10/25/78	118	106	.16	7.20	14.0	--	22
46	11/15/78	120	110	.10	7.30	13.0	--	25
46	12/13/78	118	118	.20	7.40	10.0	--	25
46	01/22/79	118	104	.30	7.40	10.0	--	25
46	02/22/79	120	110	.40	7.40	10.0	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
46	03/20/79	120	118	.10	7.40	8.0	--	25
46	04/19/79	120	110	.10	7.50	7.0	--	20
46	05/21/79	110	108	.09	7.50	7.0	.10	25
46	06/13/79	118	104	.10	7.50	8.0	.11	25
46	08/16/79	116	110	.05	7.60	1.0	--	20
46	10/23/79	124	116	.05	7.60	7.0	--	25
46	11/20/79	120	108	.06	7.60	6.0	--	25
46	12/17/79	120	110	.05	7.60	6.0	--	20
46	01/13/80	118	118	.05	7.50	7.2	--	30
46	02/14/80	120	106	.08	7.60	6.0	--	25
46	03/14/80	118	118	.10	7.60	6.0	--	25
46	04/15/80	120	104	.15	7.50	8.0	--	25
46	05/13/80	120	108	.10	7.50	7.0	--	25
46	06/16/80	120	118	.02	7.50	8.0	.01	25
46	07/11/80	118	102	.04	7.60	6.0	--	25
46	08/12/80	118	108	.08	7.60	6.0	--	20
46	09/15/80	118	110	.06	7.50	7.5	--	25
46	10/21/80	118	118	.10	7.50	7.5	--	25
46	11/14/80	120	110	.02	7.50	7.0	--	30
46	12/16/80	120	110	.05	7.50	7.2	--	30
46	01/15/81	110	--	.05	7.40	7.0	--	30
46	02/16/81	118	108	.01	7.50	7.2	--	30
46	03/16/81	120	118	.09	7.50	8.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
46	04/15/81	120	108	.04	7.50	7.5	--	30
46	05/15/81	120	120	--	7.50	8.0	--	30
46	06/11/81	124	112	.07	7.30	12.0	--	30
46	07/14/81	120	110	.10	7.50	7.5	--	35
46	08/28/81	122	110	.02	7.60	6.0	--	30
46	09/17/81	120	118	.08	7.50	7.6	--	30
46	10/27/81	126	100	.15	7.30	16.0	--	30
46	11/19/81	118	110	.20	7.50	7.5	--	25
46	12/15/81	120	130	.05	7.50	75.0	--	25
46	01/22/82	120	110	.02	7.50	7.5	--	35
46	05/20/82	120	114	.12	7.50	7.6	--	30
46	06/15/82	122	110	.05	7.50	7.8	--	25
46	07/15/82	120	102	.12	7.50	7.5	--	32
46	08/11/82	120	110	.12	7.50	7.5	--	34
46	09/23/82	120	118	.05	7.50	7.5	--	30
46	10/20/82	120	112	.04	7.30	1.2	--	28
46	11/19/82	120	110	.20	7.50	7.6	--	30
46	12/20/82	120	118	.05	7.50	7.6	--	30
46	01/17/83	120	112	.11	7.50	7.6	--	25
46	02/16/83	120	104	.01	7.50	7.5	--	29
46	03/18/83	122	120	.04	7.50	7.6	--	28
46	04/26/83	124	138	.09	7.50	80.0	--	28
46	05/16/83	118	104	.06	7.50	7.5	--	32
46	06/22/83	122	110	.07	7.50	7.8	--	29

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
47	03/08/71	112	102	.02	7.30	12.0	.01	31
47	04/21/71	112	106	.02	7.20	12.0	.01	31
47	05/10/71	122	118	.06	7.10	18.0	--	31
47	06/11/71	120	114	.08	7.00	24.0	--	32
47	07/16/71	120	102	4.00	7.10	19.0	.04	31
47	08/17/71	170	106	2.02	7.00	35.0	.02	31
47	09/15/71	120	116	.06	7.00	24.0	--	28
47	10/22/71	120	116	.04	7.10	19.0	--	28
47	12/21/71	118	114	.04	7.10	19.0	--	28
47	01/25/72	118	110	.04	7.00	32.0	.01	26
47	02/16/72	182	104	.02	7.20	22.0	--	26
47	03/24/72	116	110	.01	6.80	36.0	.02	18
47	05/18/72	106	118	.04	6.60	58.0	.20	18
47	08/30/72	114	122	.04	7.00	23.0	.04	22
47	09/26/72	126	112	.08	7.00	25.0	.01	30
47	11/28/72	118	108	.06	6.80	38.0	.01	26
47	12/26/72	116	122	.04	6.60	60.0	.01	28
47	02/27/73	124	122	.08	6.80	36.0	--	27
47	03/30/73	132	112	.07	7.00	27.0	.02	26
47	04/27/73	96	96	.06	7.10	16.0	.01	26
47	05/24/73	114	84	.08	6.90	29.0	.01	26
47	06/28/73	--	--	--	7.00	--	--	--
47	08/30/73	124	100	.08	6.60	64.0	.01	26
47	10/09/73	110	122	.07	6.80	35.0	.01	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
47	11/06/73	98	120	.06	6.90	25.0	.02	28
47	12/20/73	110	86	.06	6.90	28.0	.01	26
47	01/29/74	116	108	.07	7.00	22.0	.09	28
47	02/26/74	112	108	.06	6.90	28.0	.02	28
47	04/30/74	108	120	.08	6.80	35.0	.01	30
47	08/28/74	98	120	.01	6.60	51.0	.10	22
47	09/27/74	102	132	.08	6.60	75.0	.20	26
47	11/21/74	110	122	.08	6.80	36.0	.10	20
47	12/31/74	174	154	.02	7.30	34.0	.40	17
47	02/28/75	122	126	.04	6.90	21.0	.40	18
47	03/26/75	114	134	.04	7.00	24.0	.20	20
47	04/23/75	112	130	.04	7.00	22.0	.20	20
47	05/27/75	106	120	.04	6.90	28.0	.20	20
47	07/29/75	100	108	.04	7.00	20.0	.10	20
47	09/25/75	104	112	.04	7.00	23.0	.10	26
47	11/25/75	96	100	.04	7.10	15.5	.10	30
47	12/30/75	180	140	.15	7.50	12.0	.40	7
47	02/19/76	170	164	.50	7.40	14.0	.10	20
47	03/30/76	160	160	1.50	7.40	14.0	.20	20
47	04/23/76	98	150	7.00	7.40	8.0	.20	20
47	06/17/76	90	160	1.40	7.30	8.0	.15	--
47	07/19/76	90	164	1.30	7.20	8.0	.20	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
47	08/20/76	86	150	5.60	7.30	9.0	.20	22
47	09/21/76	84	145	5.60	7.20	90.0	.20	20
47	10/21/76	84	148	5.50	7.30	9.0	.20	22
47	11/18/76	180	125	.06	7.30	25.0	.18	15
47	02/15/77	180	140	.15	7.50	11.0	.20	10
47	03/15/77	100	96	.20	7.00	16.0	.08	20
47	04/15/77	182	118	.10	7.50	12.0	.26	8
47	05/16/77	114	84	1.00	6.90	29.0	.10	20
47	06/21/77	180	160	1.80	7.40	14.0	.20	15
47	07/21/77	160	140	1.20	7.30	16.0	--	15
47	08/19/77	162	136	1.00	7.30	16.0	--	8
47	09/15/77	164	140	--	7.30	16.0	--	5
47	10/20/77	140	132	1.40	7.20	17.5	--	15
47	12/20/77	122	140	2.00	7.10	19.0	--	15
47	01/16/78	92	80	2.00	7.10	10.0	--	15
47	02/16/78	94	80	2.00	7.20	14.0	--	16
47	03/14/78	90	85	2.00	7.10	10.0	--	12
47	04/12/78	100	104	4.00	--	17.0	--	8
47	05/11/78	140	120	6.00	7.30	11.0	--	20
47	06/12/78	82	120	5.80	7.40	60.0	--	20
47	07/17/78	80	118	5.60	7.30	8.0	--	25
47	08/11/78	150	140	1.50	7.10	24.0	--	15
47	09/15/78	140	130	2.50	7.10	22.0	--	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
47	10/25/78	140	135	2.00	7.10	22.0	--	16
47	11/15/78	140	135	1.50	7.20	18.0	--	21
47	12/13/78	135	130	2.00	7.30	13.0	--	13
47	01/22/79	140	120	1.80	7.20	13.0	--	15
47	02/22/79	160	140	1.00	7.50	10.0	--	10
47	03/20/79	158	138	1.10	7.50	8.0	--	10
47	04/19/79	125	118	1.40	7.30	13.0	--	12
47	05/21/79	120	104	1.40	7.30	12.0	.11	12
47	06/13/79	124	120	1.50	7.30	13.0	.12	15
47	08/16/79	140	130	.25	7.50	9.0	--	15
47	10/23/79	146	126	.39	7.50	9.0	--	15
47	11/20/79	144	119	.06	7.60	7.0	--	18
47	12/17/79	145	124	.38	7.50	10.0	--	20
47	01/13/80	130	120	.15	7.50	8.0	--	20
47	02/14/80	126	118	.12	7.40	10.0	--	20
47	03/14/80	127	116	.10	7.50	8.0	--	20
47	04/15/80	126	120	.18	7.50	8.0	--	20
47	05/13/80	100	98	1.20	7.30	10.0	--	15
47	06/16/80	140	130	.20	7.50	9.0	--	12
47	07/11/80	144	122	1.40	7.60	8.0	--	14
47	08/12/80	140	120	.30	7.50	15.0	--	12
47	09/15/80	140	120	.20	7.50	8.5	--	15
47	10/21/80	140	130	.20	7.50	9.1	--	10

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
47	11/14/80	120	112	1.00	7.40	10.0	--	20
47	12/16/80	122	110	.65	7.40	9.4	--	20
47	01/15/81	120	--	1.60	7.50	9.6	--	20
47	02/16/81	118	108	1.50	7.60	6.0	.11	20
47	03/16/81	120	104	.90	7.30	12.0	--	20
47	04/15/81	124	110	.30	7.30	14.0	--	15
47	05/15/81	150	120	.40	7.40	12.0	--	30
47	06/11/81	144	130	1.44	7.10	24.0	--	22
47	07/14/81	140	120	.70	7.40	11.0	--	30
47	08/28/81	135	110	.68	7.30	13.5	--	32
47	09/17/81	120	110	.35	7.50	8.0	--	25
47	10/27/81	140	118	.42	7.50	8.7	--	15
47	11/19/81	135	116	.50	7.40	11.0	--	14
47	12/15/81	118	110	3.25	7.10	18.0	--	20
47	01/22/82	116	104	2.60	7.10	18.0	--	32
47	05/20/82	116	68	2.30	7.10	18.0	--	20
47	06/15/82	142	120	.80	7.50	9.0	--	20
47	07/15/82	135	120	2.00	7.30	13.0	--	30
47	08/11/82	140	120	1.40	7.40	11.0	--	32
47	09/23/82	130	108	1.50	7.40	11.0	--	20
47	10/20/82	136	120	.32	7.30	14.0	--	30
47	11/19/82	70	100	1.80	7.10	12.0	--	28
47	12/20/82	128	108	1.60	7.30	13.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
47	01/17/83	136	106	3.25	7.10	23.0	--	30
47	02/16/83	140	110	3.20	7.10	22.0	--	28
47	03/18/83	136	112	3.00	7.00	29.0	--	25
47	04/26/83	140	110	3.10	7.10	22.0	--	24
47	05/16/83	120	116	.90	7.10	18.0	--	35
47	06/22/83	130	112	2.65	7.10	21.0	--	24
48	03/08/71	72	56	3.80	7.20	10.0	.01	29
48	04/21/71	70	56	3.60	7.20	9.0	--	30
48	05/10/71	78	70	2.40	7.00	16.0	.01	31
48	06/11/71	72	70	2.50	7.00	15.0	.01	32
48	07/16/71	76	92	2.00	7.20	10.0	.02	26
48	08/17/71	82	84	4.20	7.10	13.0	.03	24
48	09/15/71	78	70	2.40	6.80	26.0	.01	26
48	10/22/71	84	72	2.00	6.80	38.0	.01	31
48	12/21/71	86	82	1.60	7.40	6.0	.01	24
48	01/25/72	92	85	1.20	7.20	23.0	.03	22
48	02/16/72	114	110	2.00	6.80	36.0	--	20
48	03/24/72	80	62	3.60	7.00	16.0	.15	22
48	05/18/72	86	86	3.40	6.80	22.0	.04	24
48	08/30/72	90	104	4.90	7.10	21.0	.04	26
48	09/26/72	86	80	3.80	6.80	27.0	.01	31
48	11/28/72	88	74	3.20	7.00	14.0	.01	30
48	12/26/72	96	84	3.40	7.20	15.0	.02	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
48	02/27/73	112	96	3.20	7.20	14.0	.02	29
48	03/30/73	116	104	3.40	6.90	30.0	.02	30
48	04/27/73	108	84	3.00	6.80	35.0	.01	29
48	05/24/73	110	98	3.20	6.60	56.0	.01	24
48	06/28/73	--	--	--	6.80	--	--	--
48	08/30/73	116	116	3.50	6.80	38.0	.01	28
48	10/09/73	102	122	4.80	6.40	25.0	.01	31
48	11/06/73	106	84	5.00	6.60	5.5	.01	29
48	12/20/73	88	94	4.40	6.40	--	.01	24
48	01/29/74	94	98	4.80	6.80	31.0	.01	30
48	02/26/74	120	84	4.20	6.80	40.0	.01	30
48	04/30/74	126	106	4.60	6.80	46.0	.01	26
48	08/28/74	106	118	2.00	7.00	22.0	.10	26
48	09/27/74	110	126	3.00	7.10	18.0	.20	26
48	11/21/74	90	112	4.80	6.90	25.0	.10	24
48	12/31/74	134	152	3.50	6.90	35.0	.20	34
48	02/28/75	96	116	4.20	6.90	25.0	.20	22
48	03/26/75	106	108	4.00	6.90	27.0	.10	28
48	04/23/75	114	114	4.60	6.90	29.0	.20	26
48	05/27/75	104	106	3.60	6.60	55.0	.20	24
48	07/29/75	102	106	3.80	6.50	65.0	.10	24
48	09/25/75	102	100	3.40	6.80	33.0	.20	24
48	11/25/75	84	102	3.20	7.00	15.0	.10	31
48	12/30/75	104	112	2.00	6.90	27.0	.10	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
48	02/29/76	124	112	4.20	6.90	32.0	.20	25
48	03/30/76	96	100	6.80	6.90	26.0	.15	20
48	04/23/76	36	102	6.60	6.90	9.0	.10	20
48	06/17/76	38	104	5.70	6.80	13.0	.15	20
48	07/19/76	38	100	5.80	6.90	12.0	.15	24
48	08/20/76	42	104	7.00	6.90	12.0	.18	26
48	09/21/76	42	100	7.10	6.80	16.0	.18	24
48	10/21/76	42	102	7.00	6.90	12.0	.18	25
48	11/18/76	120	104	6.50	7.10	18.0	.22	17
48	02/15/77	100	100	2.80	7.00	20.0	.15	16
48	03/15/77	108	84	--	6.80	35.0	.10	29
48	04/15/77	106	120	2.60	7.00	27.0	.10	18
48	05/16/77	110	98	3.20	6.60	56.0	.10	24
48	06/21/77	70	80	2.20	7.30	9.0	.10	10
48	07/21/77	74	64	1.40	7.10	13.0	--	10
48	08/19/77	76	66	1.50	7.10	13.0	--	10
48	09/15/77	74	66	1.30	7.10	13.0	--	10
48	10/20/77	74	62	1.60	7.00	15.0	--	10
48	12/20/77	80	100	2.00	7.00	17.0	--	15
48	01/16/78	80	70	2.20	7.10	13.0	--	11
48	02/16/78	80	74	2.30	7.10	13.0	--	15
48	03/14/78	80	74	2.30	7.10	13.0	--	10
48	04/12/78	80	70	3.00	--	13.0	--	13

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
48	05/11/78	80	84	2.50	7.20	10.0	--	13
48	06/12/78	34	80	7.60	7.10	6.0	--	13
48	07/17/78	32	84	3.00	6.80	11.0	--	15
48	08/11/78	70	60	2.80	6.90	18.0	--	10
48	09/15/78	70	64	2.90	6.80	24.0	--	12
48	10/25/78	72	60	2.80	6.90	19.0	--	10
48	11/15/78	78	70	5.10	6.90	20.0	--	13
48	12/13/78	70	70	3.00	7.10	11.0	--	15
48	01/22/79	60	80	3.00	7.00	12.0	--	12
48	02/22/79	90	70	2.20	7.20	13.0	--	13
48	03/20/79	94	74	2.40	7.10	15.0	--	14
48	04/19/79	70	70	1.60	7.10	12.0	--	15
48	05/21/79	70	80	4.00	7.10	11.0	.12	15
48	06/13/79	70	62	3.60	7.10	12.0	.12	15
48	08/16/79	80	70	1.00	7.30	8.2	--	15
48	10/23/79	84	78	1.30	7.30	8.0	--	12
48	11/20/79	90	76	.38	7.30	9.0	--	20
48	12/17/79	80	70	1.20	7.30	8.0	--	15
48	01/13/80	80	80	1.50	7.20	10.0	--	15
48	02/14/80	84	82	1.60	7.10	17.0	--	18
48	03/14/80	89	90	1.60	7.20	11.0	--	20
48	04/15/80	84	84	1.40	7.30	9.0	--	20
48	05/13/80	92	80	1.60	7.10	10.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
48	06/16/80	90	80	1.60	7.10	14.0	--	12
48	07/11/80	92	90	2.00	7.20	14.0	--	13
48	08/12/80	80	80	1.30	7.20	10.0	--	15
48	09/15/80	82	80	1.50	7.10	13.0	--	15
48	10/21/80	80	90	1.60	7.20	10.0	--	15
48	11/14/80	84	80	1.50	7.10	14.0	--	15
48	12/16/80	80	70	1.60	7.10	12.0	--	18
48	01/15/81	80	--	2.80	7.10	13.0	--	18
48	02/16/81	80	70	2.90	7.10	13.0	--	15
48	03/16/81	78	78	1.40	7.00	16.0	--	18
48	04/15/81	90	82	2.40	7.10	14.0	--	18
48	05/15/81	100	100	2.00	7.10	16.0	--	20
48	06/11/81	104	88	2.60	6.90	27.0	--	15
48	07/14/81	100	100	3.60	7.10	16.0	--	28
48	08/28/81	100	96	3.60	7.00	20.0	--	27
48	09/17/81	80	70	1.80	7.20	10.0	--	18
48	10/27/81	90	76	1.60	7.20	11.5	--	10
48	11/19/81	90	70	1.80	7.10	14.5	--	12
48	12/15/81	70	70	4.75	7.10	12.0	--	18
48	01/22/82	88	80	3.20	7.00	18.0	--	20
48	05/20/82	62	64	3.80	6.90	16.0	--	20
48	06/15/82	70	60	2.00	7.10	11.0	--	10
48	07/15/82	46	40	3.20	6.90	38.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
48	08/11/82	70	60	2.50	7.00	14.0	--	20
48	09/23/82	60	50	2.50	7.10	9.5	--	20
48	10/20/82	76	64	2.80	7.00	16.0	--	25
48	11/19/82	110	60	1.15	7.10	18.0	--	25
48	12/20/82	64	60	2.40	7.10	11.0	--	24
48	01/17/83	58	50	2.50	6.90	11.0	--	16
48	02/16/83	70	70	1.75	7.10	12.0	--	12
48	03/18/83	62	60	3.20	7.00	13.0	--	15
48	04/26/83	64	64	3.20	7.00	14.0	--	20
48	05/16/83	76	70	1.00	7.00	14.0	--	18
48	06/22/83	60	56	2.70	6.90	15.5	--	12
49	03/08/71	142	122	3.40	6.60	75.0	.02	29
49	04/21/71	144	120	3.40	6.50	90.0	.02	30
49	05/10/71	62	40	3.00	7.40	5.0	.02	31
49	06/11/71	68	80	3.20	7.30	7.0	.02	33
49	07/16/71	60	78	2.20	7.20	8.0	.02	28
49	08/17/71	70	74	2.60	7.40	5.5	.01	26
49	09/15/71	64	56	3.00	7.60	32.0	.01	30
49	10/22/71	84	48	2.40	6.80	38.0	.01	30
49	12/21/71	82	65	2.00	7.00	13.0	.01	22
49	01/25/72	86	67	2.40	7.00	17.0	.01	28
49	02/16/72	72	96	1.80	6.60	38.0	--	17

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
49	03/24/72	136	140	3.10	7.40	12.0	.20	26
49	05/18/72	124	156	4.00	7.60	6.5	.04	22
49	08/30/72	118	166	4.60	6.90	30.0	.03	20
49	09/26/72	102	64	4.60	7.10	13.0	.01	28
49	11/28/72	112	76	4.00	7.00	23.0	.02	22
49	12/26/72	114	66	4.40	7.00	23.0	.02	30
49	02/27/73	118	122	4.20	6.60	66.0	.01	30
49	03/30/73	130	108	4.80	6.80	43.0	.01	30
49	04/27/73	120	102	4.40	7.00	24.0	.02	28
49	05/24/73	96	92	3.80	7.00	19.0	.01	29
49	06/28/73	--	--	--	7.20	--	--	--
49	08/30/73	84	122	4.20	7.10	13.0	.01	30
49	10/09/73	120	96	5.40	7.00	24.0	.01	30
49	11/06/73	116	86	5.60	7.00	22.0	.01	30
49	12/20/73	116	84	5.00	7.00	23.0	.01	22
49	01/29/74	118	114	4.80	7.10	19.0	.01	30
49	02/26/74	124	110	4.80	7.10	19.5	.01	24
49	04/30/74	122	118	5.00	7.10	19.5	.01	22
49	08/28/74	100	108	5.20	7.10	16.0	.20	20
49	09/27/74	104	90	5.00	7.10	16.0	.20	18
49	11/21/74	102	108	5.00	7.10	16.0	.20	18
49	12/31/74	82	160	2.50	7.10	10.0	.20	26

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
49	02/28/75	112	104	4.60	7.10	18.0	.10	20
49	03/26/75	110	110	4.00	7.00	22.0	.10	24
49	04/23/75	108	110	3.80	7.10	17.0	.10	26
49	05/27/75	96	108	3.80	7.00	20.0	.10	28
49	07/29/75	98	110	4.20	6.90	25.0	.10	24
49	09/25/75	100	104	4.00	6.90	26.5	.20	26
49	11/25/75	102	104	3.60	6.90	26.0	.20	26
49	12/30/75	64	70	2.80	7.10	11.0	.10	17
49	02/19/76	60	64	1.50	7.00	12.0	.15	12
49	03/30/76	36	60	7.00	7.10	6.0	.15	12
49	04/23/76	64	60	5.80	7.10	11.0	.30	14
49	06/17/76	62	68	7.00	7.00	11.0	.20	18
49	07/19/76	62	74	7.10	7.00	14.0	.18	26
49	08/20/76	68	76	5.40	7.00	9.5	.15	26
49	09/21/76	68	76	5.20	7.00	94.0	.16	26
49	10/21/76	68	78	5.40	7.00	14.0	.15	26
49	11/18/76	50	58	5.00	7.10	8.0	.20	18
49	02/15/77	70	90	3.00	7.00	14.0	.14	20
49	03/15/77	120	102	3.00	7.00	24.0	.10	28
49	04/15/77	62	108	3.00	7.00	12.0	.12	16

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
49	05/16/77	96	92	4.20	7.00	19.0	.20	30
49	06/21/77	64	70	2.20	7.20	80.0	.20	12
49	07/21/77	60	60	2.20	7.00	12.0	--	10
49	08/19/77	62	62	2.20	7.00	12.0	--	10
49	09/15/77	60	62	1.50	7.00	12.0	--	12
49	10/20/77	78	60	2.60	6.90	20.0	--	10
49	12/20/77	62	70	3.00	6.90	11.0	--	25
49	01/16/78	60	60	3.40	6.90	15.0	--	15
49	02/16/78	70	68	3.20	6.90	18.0	--	15
49	03/14/78	62	60	3.50	6.80	16.0	--	15
49	04/12/78	50	60	5.00	--	8.0	--	15
49	05/11/78	38	30	4.00	6.90	10.0	--	13
49	06/12/78	90	28	3.80	6.90	24.0	--	13
49	07/17/78	90	30	3.90	6.90	23.0	--	14
49	08/11/78	60	60	2.50	6.90	16.0	--	10
49	09/15/78	64	60	2.60	6.80	22.0	--	10
49	10/25/78	62	--	2.40	6.80	20.0	--	12
49	11/15/78	60	60	3.20	7.00	14.0	--	13
49	12/13/78	60	60	2.20	7.10	10.0	--	15
49	01/22/79	58	60	2.50	7.10	10.0	--	12
49	02/22/79	50	52	2.20	7.10	8.0	--	15
49	03/20/79	52	60	2.20	7.10	8.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
49	04/19/79	54	60	1.60	7.20	7.0	--	12
49	05/21/79	50	46	3.00	7.10	8.0	.10	18
49	06/13/79	84	80	5.00	6.90	22.0	.10	20
49	08/16/79	104	90	1.20	7.30	10.0	--	15
49	10/23/79	52	68	1.55	7.10	8.0	--	10
49	11/20/79	58	70	1.25	7.10	10.0	--	12
49	12/17/79	40	40	3.00	7.10	7.0	--	15
49	01/13/80	50	50	5.00	7.10	8.0	--	15
49	02/14/80	56	56	4.50	7.10	9.0	--	15
49	03/14/80	60	58	4.20	7.10	9.0	--	18
49	04/15/80	55	56	4.20	7.10	9.0	--	15
49	05/13/80	50	50	2.50	7.10	8.0	--	18
49	06/16/80	45	50	2.40	7.00	9.0	--	13
49	07/11/80	56	52	3.00	7.10	9.0	--	15
49	08/12/80	50	50	1.40	7.10	8.0	--	15
49	09/15/80	50	60	.90	7.10	8.0	--	15
49	10/21/80	45	50	2.40	7.00	9.1	--	13
49	11/14/80	80	80	2.80	7.10	13.0	--	20
49	12/16/80	100	100	4.20	7.10	16.0	--	20
49	01/15/81	76	--	3.20	7.00	16.0	--	20
49	02/16/81	74	96	3.00	7.00	15.0	--	20
49	03/16/81	80	90	3.40	7.10	13.0	--	20
49	04/15/81	50	42	2.40	7.10	8.0	--	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
49	05/15/81	60	50	1.20	7.10	9.6	--	15
49	06/11/81	80	76	4.00	7.00	17.0	--	17
49	07/14/81	70	70	3.60	7.10	11.5	--	30
49	08/28/81	72	74	3.40	7.10	12.0	--	28
49	09/17/81	54	50	1.50	7.20	6.8	--	18
49	10/27/81	60	62	1.40	7.10	9.7	--	10
49	11/19/81	68	64	2.00	7.10	11.0	--	10
49	12/15/81	80	80	5.50	7.10	13.0	--	20
49	01/22/82	82	80	4.40	7.10	14.0	--	30
49	05/20/82	58	58	3.60	7.00	12.0	--	30
49	06/15/82	90	70	3.80	6.90	22.0	--	20
49	07/15/82	118	100	5.20	7.10	19.0	--	35
49	08/11/82	82	70	2.50	7.20	10.50	--	30
49	09/23/82	70	64	3.00	7.30	7.1	--	25
49	10/20/82	80	68	3.00	7.10	13.0	--	32
49	11/19/82	80	65	1.60	7.20	10.0	--	30
49	12/20/82	72	64	3.20	7.20	9.0	--	25
49	01/17/83	128	110	7.50	7.10	22.0	--	30
49	02/16/83	124	104	4.00	7.10	20.0	--	29
49	03/18/83	90	80	3.20	7.20	14.0	--	20
49	04/26/83	92	82	3.40	7.10	15.0	--	18
49	05/16/83	120	120	1.20	7.10	18.0	--	35
49	06/22/83	128	102	4.70	7.10	21.0	--	23

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
50	03/08/71	52	52	4.00	7.00	11.0	.01	31
50	04/21/71	56	52	3.80	7.00	12.0	.02	31
50	05/10/71	88	82	3.80	6.80	21.0	.01	31
50	06/11/71	88	64	4.00	6.80	28.0	.01	31
50	07/16/71	102	96	4.00	7.10	18.0	.02	22
50	08/17/71	96	102	4.40	7.10	16.0	.02	28
50	09/15/71	86	86	3.60	6.80	28.0	.01	32
50	10/22/71	70	80	3.00	7.10	13.0	.01	31
50	12/21/71	64	84	2.60	6.80	36.0	.01	28
50	01/25/72	68	88	2.40	6.90	22.0	.02	24
50	02/16/72	112	128	2.40	7.00	23.0	--	24
50	03/24/72	60	56	4.00	6.60	32.0	.15	22
50	05/18/72	66	65	4.40	6.80	34.0	.03	26
50	08/30/72	76	70	5.00	7.20	12.0	.02	28
50	09/26/72	88	102	5.00	7.10	14.5	.02	32
50	11/28/72	92	92	4.60	7.10	15.0	.02	28
50	12/26/72	86	86	5.00	7.10	14.0	.02	32
50	02/27/73	126	112	5.80	7.20	16.5	.02	30
50	03/30/73	132	112	5.40	7.10	23.0	.02	30
50	04/27/73	114	76	5.20	7.10	17.0	.01	32
50	05/24/73	104	76	5.00	7.00	21.0	.01	30
50	08/30/73	108	84	4.80	7.00	22.0	.01	31
50	10/09/73	120	78	5.80	7.00	24.0	.01	31

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
50	11/06/73	124	98	5.60	7.10	19.5	.01	31
50	12/20/73	120	92	4.80	7.00	24.0	.01	30
50	01/29/74	126	110	5.20	6.90	33.0	.01	24
50	02/26/74	118	96	5.00	7.00	25.0	.01	26
50	04/30/74	124	124	5.00	6.90	34.0	.01	22
50	08/28/74	106	90	5.20	7.20	17.0	.10	28
50	09/27/74	112	108	5.20	7.40	8.0	.10	22
50	11/21/74	102	96	4.60	7.00	22.0	.20	22
50	12/31/74	92	96	3.50	6.90	32.0	.10	32
50	02/28/75	108	92	5.20	7.10	17.5	.10	22
50	03/26/75	104	104	4.60	7.10	17.0	.20	28
50	04/23/75	108	108	4.60	7.10	17.0	.20	30
50	05/27/75	98	100	5.00	7.10	16.0	.10	26
50	07/29/75	98	98	4.40	6.90	25.0	.10	26
50	09/25/75	102	102	4.00	6.90	26.5	.10	30
50	11/25/75	106	100	3.80	6.90	27.0	.20	24
50	12/30/75	94	90	3.20	6.90	24.0	.10	18
50	02/19/76	70	70	3.50	6.70	28.0	.10	17
50	03/30/76	60	50	1.00	6.60	35.0	.30	20
50	04/23/76	126	120	6.90	6.70	54.0	.15	20
50	06/17/76	130	112	5.80	6.50	85.0	.15	25
50	07/19/76	130	116	5.60	6.40	100.0	.20	26

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
50	08/20/76	115	116	6.30	6.50	75.0	.25	24
50	09/21/76	110	116	6.20	6.50	70.0	.22	24
50	10/21/76	112	114	6.20	6.50	72.0	.25	24
50	11/18/76	64	69	6.50	7.10	50.0	.24	20
50	02/15/77	100	90	3.60	6.80	32.0	.10	20
50	03/15/77	114	70	4.40	6.40	17.0	.20	32
50	04/15/77	90	80	3.40	7.00	26.0	.10	20
50	05/16/77	104	76	6.20	7.00	21.0	.18	29
50	06/21/77	104	98	3.80	7.10	16.0	.15	18
50	07/21/77	100	100	3.40	6.90	25.0	--	15
50	08/19/77	100	108	4.20	6.90	26.0	--	14
50	09/15/77	100	100	2.30	6.90	25.0	--	14
50	10/20/77	102	98	3.80	6.90	26.0	--	15
50	12/20/77	102	102	3.50	6.80	32.0	--	20
50	01/16/78	100	98	3.80	6.90	25.0	--	18
50	02/16/78	102	100	4.00	6.80	32.0	--	20
50	03/14/78	100	100	4.00	6.80	24.0	--	18
50	04/12/78	90	104	5.20	--	18.0	--	20
50	05/11/78	90	80	4.00	6.90	22.0	--	18
50	06/12/78	90	80	4.00	6.80	28.0	--	18
50	07/17/78	92	82	4.20	6.90	25.0	--	18
50	08/11/78	80	80	6.00	6.80	26.0	--	15
50	09/15/78	70	84	6.20	6.70	28.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
50	10/25/78	75	82	6.00	6.70	30.0	--	15
50	11/15/78	70	75	6.00	6.80	23.0	--	21
50	12/13/78	80	70	5.00	6.90	20.0	--	23
50	01/22/79	60	80	3.80	6.90	16.0	--	22
50	02/22/79	90	100	3.20	7.10	9.0	--	18
50	03/20/79	96	100	3.80	7.00	20.0	--	18
50	04/19/79	76	80	3.80	6.90	20.0	--	15
50	05/21/79	70	70	5.00	6.90	18.0	.10	15
50	06/13/79	96	100	4.50	7.00	20.0	.10	20
50	08/16/79	100	96	3.40	7.10	16.0	--	20
50	10/23/79	108	96	3.60	7.00	22.0	--	17
50	11/20/79	100	94	1.60	7.00	20.0	--	18
50	12/17/79	100	90	4.00	7.10	16.0	--	18
50	01/13/80	90	86	5.80	6.90	25.0	--	18
50	02/14/80	100	92	3.40	7.10	16.0	--	20
50	03/14/80	102	94	3.60	7.10	16.0	--	20
50	04/15/80	90	80	5.80	6.80	28.0	--	18
50	05/13/80	102	82	3.80	7.00	21.0	--	18
50	06/16/80	100	90	3.40	7.00	21.0	--	15
50	07/11/80	102	96	3.20	7.00	22.0	--	16
50	08/12/80	104	90	2.80	7.10	17.0	--	15
50	09/15/80	104	90	6.20	6.90	26.0	--	25
50	10/21/80	100	90	3.40	7.00	21.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
50	11/14/80	100	100	3.40	7.00	20.0	--	20
50	12/16/80	90	80	4.00	7.00	17.0	--	18
50	01/15/81	80	--	6.20	6.70	32.0	--	20
50	02/16/81	80	80	6.00	6.80	26.0	--	20
50	03/16/81	70	54	6.00	6.70	29.0	--	20
50	04/15/81	80	80	4.00	6.90	20.0	--	22
50	05/15/81	100	96	2.80	6.70	41.0	--	22
50	06/11/81	108	98	3.54	6.90	28.0	--	20
50	07/14/81	100	90	3.60	7.00	20.0	--	32
50	08/28/81	104	90	3.50	7.00	22.0	--	34
50	09/17/81	96	86	3.60	7.00	20.0	--	20
50	10/27/81	110	98	1.40	7.10	18.0	--	14
50	11/19/81	100	100	2.20	7.00	10.0	--	15
50	12/15/81	80	80	4.50	6.90	20.0	--	20
50	01/22/82	76	80	6.00	6.70	31.0	--	32
50	05/20/82	104	92	3.40	7.10	17.0	--	20
50	06/15/82	100	84	3.40	6.90	26.0	--	20
50	07/15/82	80	64	5.20	6.90	20.0	--	25
50	08/11/82	82	70	4.00	6.90	21.0	--	25
50	09/23/82	64	60	7.00	6.40	45.0	--	25
50	10/20/82	82	72	4.50	6.80	26.0	--	25
50	11/19/82	80	68	4.50	6.70	32.0	--	25
50	12/20/82	66	62	6.80	6.80	22.0	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
50	01/17/83	90	70	3.50	6.90	23.0	--	20
50	02/16/83	90	80	3.60	6.90	23.0	--	20
50	03/18/83	80	86	5.00	6.80	26.0	--	18
50	04/26/83	80	84	4.80	6.90	22.0	--	18
50	05/16/83	90	100	2.00	7.00	17.0	--	20
50	06/20/83	96	80	3.85	7.00	20.0	--	19
51	03/08/71	104	92	4.80	6.60	54.0	--	32
51	04/21/71	102	102	4.20	6.60	50.0	--	32
51	05/10/71	56	50	8.00	6.60	18.0	--	32
51	06/11/71	75	40	7.80	6.50	48.0	.01	31
51	07/16/71	94	88	5.80	6.60	42.0	.01	20
51	08/17/71	102	86	5.60	6.00	100.0	.02	22
51	09/15/71	70	56	8.40	6.80	23.0	.01	30
51	10/22/71	104	48	5.20	6.40	80.0	.01	30
51	12/21/71	88	64	4.00	6.80	30.0	.01	26
51	01/25/72	84	60	3.20	6.80	27.0	.01	24
51	02/16/72	120	104	2.60	7.10	19.0	--	28
51	03/24/72	100	136	4.80	6.90	34.0	.15	15
51	05/18/72	112	78	5.00	7.00	22.0	.04	24
51	08/30/72	120	112	5.60	7.10	30.0	.04	26
51	09/26/72	110	62	5.80	7.00	21.0	.01	30
51	11/28/72	104	68	4.60	7.10	17.0	.02	30
51	12/26/72	110	66	5.20	7.00	21.0	.02	31

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
51	02/27/73	122	118	6.00	6.80	40.0	.02	32
51	03/30/73	126	108	6.00	6.60	65.0	.02	36
51	04/27/73	106	68	5.60	6.60	55.0	.01	34
51	05/24/73	118	78	5.60	6.80	38.0	.01	30
51	08/30/73	116	90	5.80	6.80	38.0	.01	30
51	10/09/73	120	102	6.00	7.10	19.0	.01	30
51	11/06/73	122	108	6.20	7.10	19.5	.01	31
51	12/20/73	120	100	5.60	6.90	31.0	.01	30
51	01/29/74	120	106	5.20	6.60	62.0	.01	31
51	02/26/74	124	104	5.00	6.80	41.0	.01	27
51	04/30/74	112	108	5.60	6.90	28.0	.01	24
51	08/28/74	110	106	4.40	6.80	37.0	.10	30
51	09/27/74	116	104	5.60	6.90	28.0	.10	30
51	11/21/74	108	90	5.20	6.90	27.0	.10	30
51	12/31/74	132	112	5.00	6.80	45.0	.10	36
51	02/28/75	108	96	5.60	6.80	35.0	.10	24
51	07/29/75	100	114	4.00	7.00	21.0	.10	29
51	09/25/75	106	112	4.20	7.00	22.0	.20	30
51	11/25/75	106	106	4.00	7.10	17.5	.20	30
51	12/30/75	140	100	3.80	6.90	36.0	.20	20
51	02/19/76	130	130	4.00	6.90	32.0	.15	20
51	03/30/76	120	120	7.00	6.70	50.0	.15	22

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
51	04/23/76	118	84	5.60	6.80	70.0	.15	23
51	06/17/76	120	90	6.40	6.60	60.0	.20	25
51	07/19/76	124	96	6.20	6.50	82.0	.20	25
51	08/20/76	120	90	4.00	6.50	80.0	.20	24
51	09/21/76	115	90	4.00	6.60	78.0	.22	24
51	10/21/76	116	90	4.20	6.60	60.0	.22	24
51	11/18/76	100	90	6.50	6.80	32.0	.18	20
51	02/15/77	128	105	3.80	6.60	65.0	.22	20
51	03/15/77	106	68	5.20	6.60	55.0	.10	30
51	04/15/77	136	90	4.20	6.80	32.0	.20	20
51	05/16/77	118	78	6.20	6.80	38.0	.18	30
51	06/21/77	140	110	5.60	6.90	40.0	.15	10
51	07/21/77	140	120	7.20	6.90	63.0	--	18
51	08/19/77	142	118	5.20	7.00	64.0	--	20
51	09/15/77	140	120	3.40	6.90	64.0	--	18
51	10/20/77	136	124	6.00	6.80	43.0	--	15
51	12/20/77	140	124	5.20	6.80	45.0	--	20
51	01/16/78	130	122	4.20	6.80	42.0	--	20
51	02/16/78	125	118	4.20	6.80	40.0	--	20
51	03/14/78	128	122	4.20	6.80	43.0	--	20
51	04/12/78	104	120	5.00	--	28.0	--	15
51	05/11/78	90	80	4.20	6.80	22.0	--	20
51	06/12/78	80	78	4.20	6.80	25.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
51	07/17/78	84	80	4.40	6.70	32.0	--	20
51	08/11/78	110	110	6.00	6.70	45.0	--	15
51	09/15/78	80	110	6.00	6.60	42.0	--	18
51	10/25/78	100	112	6.00	6.60	50.0	--	17
51	11/15/78	100	100	8.00	6.80	31.0	--	21
51	12/13/78	70	70	5.20	6.80	21.0	--	23
51	01/22/79	80	100	5.80	6.80	24.0	--	20
51	02/22/79	100	100	7.50	6.80	32.0	--	18
51	03/20/79	104	104	7.40	6.70	44.0	--	18
51	04/19/79	66	60	6.00	6.80	21.0	--	18
51	05/21/79	80	68	7.50	6.80	27.0	.10	15
51	06/13/79	90	80	7.00	7.00	18.0	.10	15
51	08/16/79	76	60	5.00	6.90	4.0	--	20
51	10/23/79	144	134	6.20	7.00	28.0	--	16
51	11/20/79	140	130	4.80	7.00	28.0	--	16
51	12/17/79	140	118	6.00	7.10	23.0	--	18
51	01/13/80	140	130	6.00	7.10	24.0	--	18
51	02/14/80	128	120	6.10	7.00	26.0	--	18
51	03/14/80	130	118	6.20	6.90	33.0	--	20
51	04/15/80	142	128	6.20	7.00	28.0	--	20
51	05/13/80	140	120	6.20	6.90	33.0	--	18
51	06/16/80	140	120	6.00	7.00	29.0	--	15
51	07/11/80	146	120	6.20	7.00	30.0	--	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
51	08/12/80	140	120	6.20	7.10	22.0	--	18
51	09/15/80	140	120	6.00	6.90	36.0	--	20
51	10/21/80	140	120	6.20	7.00	28.0	--	20
51	11/14/80	120	120	6.00	7.10	18.0	--	20
51	12/16/80	118	104	6.20	6.90	30.0	--	20
51	01/15/81	140	--	6.20	7.00	29.0	--	20
51	02/16/81	140	102	5.00	7.10	23.0	--	22
51	03/16/81	116	100	6.10	6.70	48.0	--	20
51	04/15/81	140	118	3.40	6.90	36.0	--	22
51	05/15/81	130	120	5.00	6.90	34.0	--	22
51	06/11/81	130	122	8.85	6.70	55.0	--	18
51	07/14/81	140	120	6.00	7.00	28.0	--	30
51	08/28/81	135	116	6.20	6.80	44.0	--	28
51	09/17/81	136	118	6.00	6.90	35.0	--	25
51	10/27/81	142	120	6.40	7.00	29.5	--	14
51	11/19/81	118	118	6.60	6.90	30.0	--	16
51	12/15/81	110	110	8.00	6.90	28.0	--	20
51	01/22/82	120	110	6.40	6.80	38.0	--	30
51	05/20/82	118	62	6.20	6.60	61.0	--	25
51	06/15/82	140	120	6.20	6.90	36.0	--	18
51	07/15/82	136	118	6.40	6.80	44.0	--	20
51	08/11/82	124	104	7.60	6.90	32.0	--	30
51	09/23/82	140	120	7.50	6.60	72.0	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
51	10/20/82	138	100	7.00	6.80	45.0	--	25
51	11/19/82	130	110	8.25	6.80	41.0	--	26
51	12/20/82	66	118	7.40	6.60	34.0	--	26
51	01/17/83	138	120	7.50	6.80	46.0	--	20
51	02/16/83	122	110	8.50	6.70	51.0	--	20
51	05/16/83	98	90	4.80	6.90	26.0	--	22
51	06/22/83	132	114	13.5	6.70	54.0	--	19
52	03/08/71	64	58	4.60	6.90	14.0	--	28
52	04/21/71	60	56	4.20	6.80	20.0	--	28
52	05/10/71	94	80	6.80	6.60	55.0	--	29
52	06/11/71	98	68	7.00	6.60	50.0	.01	32
52	07/16/71	52	42	7.20	7.20	7.0	.01	28
52	08/17/71	60	74	7.00	7.00	17.0	.02	30
52	09/15/71	100	144	6.40	6.60	57.0	.01	28
52	10/22/71	150	136	5.00	6.80	50.0	.01	28
52	12/21/71	144	138	4.60	7.10	24.0	.02	28
52	01/25/72	132	124	3.00	7.10	22.0	.01	18
52	02/16/72	124	118	2.40	7.10	20.0	--	26
52	03/24/72	54	144	4.60	6.80	18.0	.04	15
52	05/18/72	68	90	5.00	7.00	14.0	.04	20
52	08/30/72	84	108	5.40	7.10	17.0	.04	24
52	09/26/72	144	130	7.00	6.60	74.0	.01	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
52	11/28/72	132	122	5.80	7.00	27.0	.02	26
52	12/26/72	128	112	6.00	7.10	22.0	.02	24
52	02/27/73	126	112	7.20	6.90	31.5	.02	30
52	03/30/73	126	114	6.80	6.80	41.0	.02	32
52	04/27/73	116	84	6.00	7.40	9.5	.01	31
52	05/24/73	130	110	5.60	6.90	33.0	.01	31
52	08/30/73	124	118	5.60	7.10	19.0	.01	32
52	10/09/73	132	114	5.40	7.00	26.0	.01	31
52	11/06/73	126	116	5.80	7.00	26.0	.01	30
52	12/20/73	122	108	5.00	6.90	31.0	.01	31
52	01/29/74	118	116	5.00	6.90	30.0	.01	26
52	02/26/74	108	110	5.20	6.90	38.0	.01	30
52	04/30/74	108	116	5.20	7.10	17.5	.01	24
52	08/28/74	124	86	4.60	7.10	19.0	--	30
52	09/27/74	120	98	4.80	7.00	25.0	.20	30
52	11/21/74	84	102	5.40	6.90	22.0	.10	31
52	02/28/75	82	104	6.20	6.90	21.0	.20	28
52	03/26/75	96	116	5.20	6.90	25.0	.20	30
52	04/23/75	100	108	4.80	6.90	26.0	.20	30
52	05/27/75	88	96	4.20	6.90	23.0	.10	30
52	07/29/75	96	102	3.80	7.00	20.0	.20	30
52	09/25/75	96	106	3.20	7.10	12.0	.20	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
52	11/25/75	98	102	3.40	7.00	20.0	.10	28
52	12/30/75	80	80	4.20	6.80	36.0	.20	20
52	02/19/76	80	94	4.00	6.70	31.0	.20	20
52	03/30/76	86	80	6.50	6.70	36.0	.15	24
52	04/23/76	90	120	6.80	6.80	30.0	.15	24
52	06/17/76	96	118	4.00	6.80	31.0	.22	26
52	07/19/76	98	112	4.40	6.90	25.0	.22	28
52	08/20/76	96	108	4.20	7.00	20.0	.20	28
52	09/21/76	96	106	4.20	6.50	20.0	.20	28
52	10/21/76	96	108	4.00	7.00	19.5	.20	28
52	11/18/76	190	130	--	6.70	78.0	.20	18
52	02/15/77	90	80	4.30	6.90	22.0	--	22
52	03/15/77	116	84	5.60	7.30	95.0	.10	31
52	04/15/77	80	100	4.20	6.90	38.0	.22	22
52	05/16/77	130	78	6.20	6.90	33.0	.20	30
52	06/21/77	110	100	5.20	7.10	16.0	.10	15
52	07/21/77	125	110	7.00	7.00	26.0	--	18
52	08/19/77	125	112	7.00	6.90	25.0	--	20
52	09/15/77	125	110	7.00	7.00	28.0	--	18
52	10/20/77	138	112	6.80	6.80	48.0	--	15
52	12/20/77	120	104	5.40	6.80	40.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
52	01/16/78	50	50	4.80	6.60	25.0	--	18
52	02/16/78	60	60	4.60	6.70	24.0	--	18
52	03/14/78	56	60	5.00	6.50	26.0	--	17
52	04/12/78	90	108	5.40	--	30.0	--	18
52	05/11/78	80	70	5.00	6.80	26.0	--	20
52	06/12/78	135	75	5.80	6.80	40.0	--	22
52	07/17/78	130	75	5.60	6.60	68.0	--	24
52	08/11/78	108	82	6.40	6.70	45.0	--	15
52	09/15/78	100	80	6.20	6.70	40.0	--	18
52	10/25/78	104	80	6.40	6.70	42.0	--	16
52	11/15/78	104	130	8.50	6.90	28.0	--	23
52	12/13/78	90	100	5.80	6.90	22.0	--	23
52	01/22/79	84	90	6.00	6.90	21.0	--	20
52	02/22/79	100	80	7.80	6.80	32.0	--	18
52	03/20/79	98	80	7.60	6.60	54.0	--	20
52	04/19/79	90	70	6.40	6.90	22.0	--	15
52	05/21/79	78	80	11.00	6.60	--	.10	18
52	06/13/79	80	70	11.00	6.90	21.0	.11	22
52	08/16/79	94	80	4.40	6.90	25.0	--	20
52	10/23/79	138	110	6.20	7.00	26.0	--	18
52	11/20/79	136	108	5.80	7.00	28.0	--	18
52	12/17/79	90	100	6.20	6.90	23.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
52	01/13/80	80	82	3.00	6.90	21.0	--	20
52	02/14/80	82	84	7.40	6.80	26.0	--	20
52	03/14/80	84	82	6.80	6.80	22.0	--	20
52	04/15/80	90	86	7.80	7.00	18.0	--	18
52	05/13/80	88	80	7.00	6.70	33.0	--	25
52	06/16/80	120	100	5.60	6.90	31.0	--	18
52	07/11/80	122	100	5.80	7.00	25.0	--	18
52	08/12/80	120	102	6.20	7.00	24.0	--	20
52	09/15/80	104	100	6.10	7.00	21.0	--	22
52	10/21/80	120	100	5.60	6.90	31.0	--	18
52	11/14/80	104	110	6.00	7.10	17.0	--	20
52	12/16/80	120	100	6.00	7.10	18.0	.11	20
52	01/15/81	120	--	6.00	7.10	19.0	--	25
52	02/16/81	120	100	3.60	7.10	19.0	--	32
52	03/16/81	60	70	6.20	6.50	39.0	--	20
52	04/15/81	124	100	5.00	6.90	32.0	--	20
52	05/15/81	120	104	5.00	7.00	24.0	--	20
52	06/11/81	90	76	9.35	6.50	57.0	--	21
52	07/14/81	90	90	6.20	6.70	37.0	--	32
52	08/28/81	96	92	6.20	6.80	31.0	--	30
52	09/17/81	130	96	6.00	6.90	34.0	--	25
52	10/27/81	126	94	6.00	7.00	28.0	--	15
52	11/19/81	120	96	6.50	6.90	30.0	--	16
52	12/15/81	54	45	7.50	6.70	22.0	--	15

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
52	01/22/82	78	68	6.40	6.70	32.0	--	30
52	05/20/82	56	82	6.00	7.00	11.0	--	30
52	06/15/82	125	100	5.00	6.90	32.0	--	20
52	07/15/82	80	62	6.60	6.80	26.0	--	25
52	08/11/82	90	64	7.60	6.80	28.0	--	30
52	09/23/82	80	72	8.00	6.60	42.0	--	25
52	10/20/82	94	94	7.00	6.80	31.0	--	25
52	11/19/82	80	68	7.50	6.80	26.0	--	25
52	12/20/82	136	120	7.80	6.50	90.0	--	20
52	01/17/83	100	82	5.75	6.80	33.0	--	24
52	02/16/83	80	70	6.50	6.70	33.0	--	18
52	06/22/83	128	100	5.50	7.00	26.0	--	24
53	03/08/71	152	140	3.50	7.10	21.0	.01	29
53	04/21/71	146	134	3.20	7.10	24.0	.02	20
53	05/10/71	160	142	4.20	7.10	26.0	.02	28
53	06/11/71	146	124	1.60	6.90	38.0	.01	32
53	07/16/71	148	126	4.20	7.00	27.0	.04	21
53	08/17/71	144	122	2.20	7.00	39.0	.04	18
53	09/15/71	152	130	2.80	6.90	35.0	.04	22
53	10/22/71	166	124	2.00	7.00	34.0	.04	26
53	12/21/71	152	141	2.00	7.40	12.0	.02	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
53	01/25/72	156	115	2.80	7.10	25.0	.02	17
53	02/16/72	158	130	2.00	7.10	26.0	--	26
53	03/24/72	140	112	3.20	7.00	28.0	.15	13
53	04/28/72	144	114	4.40	7.10	13.0	--	12
53	05/18/72	152	120	2.60	7.00	32.0	.04	19
53	08/30/72	144	118	2.80	6.80	46.0	.02	20
53	09/26/72	148	136	4.60	7.00	30.0	.02	30
53	11/28/72	150	92	3.20	7.10	23.0	.02	30
53	12/26/72	144	86	2.80	7.10	24.0	.01	32
53	02/27/73	132	108	3.20	7.00	27.0	.01	27
53	03/30/73	136	108	3.60	7.10	22.0	.01	28
53	04/27/73	148	116	2.80	7.30	15.0	.01	24
53	05/24/73	144	110	3.60	6.80	46.0	.01	30
53	06/28/73	148	122	3.80	6.80	49.0	.02	31
53	08/30/73	160	122	4.00	7.00	33.0	.02	30
53	10/09/73	156	128	4.20	7.00	32.0	.01	28
53	11/06/73	142	122	5.60	7.10	23.0	.01	30
53	12/20/73	148	128	3.60	7.10	38.0	.01	24
53	01/29/74	132	118	3.60	7.10	22.0	.01	28
53	02/26/74	126	80	4.20	6.90	33.0	.01	28
53	03/28/74	110	88	4.00	7.00	22.0	.01	28
53	04/30/74	108	96	4.40	7.00	22.0	.01	30
53	07/24/74	142	140	4.80	7.00	30.0	.10	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
53	08/28/74	140	148	4.40	6.90	37.0	.10	18
53	09/27/74	154	134	4.20	6.90	40.0	.20	20
53	11/21/74	104	122	4.00	7.00	22.0	.10	22
53	12/31/74	152	74	3.00	7.00	31.0	.10	22
53	02/28/75	100	118	3.80	7.10	16.0	.10	32
53	03/26/75	156	144	3.80	6.90	40.0	.10	28
53	04/23/75	136	132	3.80	6.80	44.0	.10	31
53	05/27/75	144	130	4.00	7.00	27.0	.20	22
53	07/29/75	122	120	3.20	6.60	64.0	.10	28
53	09/25/75	112	122	3.80	6.80	36.0	.10	24
53	11/25/75	100	110	3.40	6.80	33.0	.10	24
53	12/30/75	140	140	3.20	6.90	36.0	.10	20
53	02/19/76	150	130	3.50	6.90	39.0	.20	20
53	03/30/76	140	140	5.00	7.10	22.0	.25	24
53	04/23/76	144	135	4.20	7.10	20.0	.25	20
53	06/17/76	140	116	4.00	7.00	28.0	.20	30
53	07/19/76	160	125	4.20	7.00	32.0	.25	25
53	08/20/76	150	118	4.20	7.20	20.0	.25	25
53	09/21/76	148	144	5.00	7.10	21.8	.20	22
53	10/21/76	146	142	4.20	7.00	30.0	.20	21
53	11/18/76	146	140	5.00	7.00	28.0	.20	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
53	02/15/77	128	118	3.40	7.00	28.0	.20	26
53	03/15/77	140	120	4.20	7.00	28.0	.10	20
53	04/15/77	140	120	4.20	7.00	29.0	.20	22
53	05/16/77	135	130	4.40	7.10	22.0	.20	20
53	06/21/77	140	140	4.20	7.10	22.0	.10	20
53	07/21/77	140	130	6.00	7.00	30.0	--	20
53	08/19/77	138	120	5.00	7.10	29.0	--	20
53	09/15/77	135	130	5.00	7.00	27.0	--	20
53	10/20/77	140	156	5.40	6.80	45.0	--	16
53	12/20/77	160	140	3.50	6.80	52.0	--	36
53	01/16/78	140	135	4.30	6.80	45.0	--	20
53	02/14/78	144	120	4.10	6.90	37.0	--	20
53	03/14/78	100	100	4.00	7.10	38.0	--	18
53	04/12/78	140	140	5.20	6.90	36.0	--	13
53	05/11/78	140	130	4.00	7.10	23.0	--	20
53	06/12/78	146	136	5.40	7.10	24.0	--	20
53	07/17/78	140	130	4.10	7.00	28.0	--	20
53	08/11/78	140	120	4.00	6.80	45.0	--	20
53	09/15/78	135	120	4.00	6.80	45.0	--	20
53	10/25/78	142	122	4.40	6.80	45.0	--	19
53	11/15/78	138	160	4.20	6.80	63.0	--	24
53	12/13/78	130	130	4.00	6.90	32.0	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
53	01/22/79	130	130	4.20	7.10	27.0	--	20
53	02/22/79	140	140	4.00	7.10	22.0	--	20
53	03/20/79	135	140	4.20	7.10	22.0	--	20
53	04/19/79	140	120	5.60	7.10	22.0	--	20
53	05/21/79	135	120	4.20	7.10	22.0	.18	20
53	06/13/79	135	120	5.00	7.10	22.0	.12	22
53	08/16/79	135	120	4.50	7.10	22.0	--	20
53	10/23/79	140	126	3.50	7.10	22.0	--	19
53	11/20/79	140	120	4.20	7.10	23.0	--	20
53	12/17/79	140	120	4.40	7.10	23.0	--	20
53	01/13/80	130	120	4.00	7.10	21.0	--	20
53	02/14/80	130	120	4.00	7.10	21.0	--	20
53	03/14/80	135	118	3.80	7.10	22.0	--	20
53	04/15/80	130	120	5.00	7.10	21.0	--	20
53	05/13/80	124	118	4.40	7.00	25.0	--	20
53	06/16/80	120	104	4.00	7.00	23.0	--	20
53	07/11/80	136	120	4.00	7.10	22.0	--	20
53	08/12/80	122	120	4.10	7.10	20.0	--	20
53	09/15/80	130	120	5.00	7.10	22.0	--	20
53	10/21/80	130	120	4.20	7.10	21.0	--	22
53	11/14/80	130	118	4.40	7.10	21.0	--	22
53	12/16/80	124	112	4.00	6.90	32.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
53	01/15/81	120	--	4.20	7.10	19.0	--	25
53	02/16/81	135	118	3.80	7.10	22.0	--	42
53	03/16/81	120	120	1.80	7.10	19.0	.10	25
53	04/15/81	126	118	4.00	6.90	34.0	--	25
53	05/15/81	135	104	3.20	6.90	35.0	--	25
53	06/11/81	138	124	4.35	7.10	22.0	--	23
53	07/14/81	122	118	4.40	7.10	19.0	--	30
53	08/28/81	130	110	4.40	7.00	28.0	--	20
53	09/17/81	136	114	4.50	7.00	28.0	--	24
53	10/27/81	136	120	4.70	6.90	36.0	--	24
53	11/19/81	130	120	3.80	7.00	26.0	--	10
53	12/15/81	130	120	4.20	7.10	21.0	--	20
53	01/22/82	130	120	4.60	7.10	22.0	--	30
53	05/20/82	125	112	3.60	6.90	31.0	--	25
53	06/15/82	130	100	5.80	7.10	21.0	--	20
53	07/21/82	118	104	3.60	7.10	18.0	--	28
53	08/11/82	130	100	3.80	7.10	21.0	--	30
53	09/23/82	120	110	3.80	7.10	19.0	--	23
53	10/20/82	130	112	3.80	7.10	21.0	--	22
53	11/19/82	126	110	3.50	7.00	26.0	--	18
53	12/20/82	128	100	3.60	7.10	21.0	--	30
53	01/17/83	124	106	3.40	7.10	20.0	--	20
53	02/16/83	122	108	3.60	7.10	20.0	--	22

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
53	04/26/83	122	110	3.60	7.10	19.0	--	28
53	05/16/83	120	120	3.40	7.00	24.0	--	25
53	06/22/83	126	116	4.00	7.00	26.0	--	21
54	03/08/71	170	150	3.20	6.80	55.0	--	30
54	04/21/71	170	150	2.80	7.10	28.0	--	32
54	05/10/71	180	160	2.20	7.10	29.0	--	31
54	06/11/71	172	152	2.20	7.10	27.0	.01	58
54	07/16/71	172	138	4.60	7.10	29.0	.02	36
54	08/17/71	102	90	2.80	6.60	54.0	.02	25
54	09/15/71	172	154	3.40	7.10	25.0	.01	32
54	10/22/71	126	148	2.60	7.20	16.0	.01	31
54	12/21/71	144	146	2.20	7.50	9.0	.01	27
54	01/25/72	176	136	3.00	7.10	28.0	.03	32
54	02/16/72	180	142	2.40	7.20	23.0	--	22
54	03/24/72	154	120	3.80	6.80	54.0	.14	20
54	04/28/72	148	126	3.20	7.00	30.0	--	22
54	05/18/72	195	142	3.20	6.90	50.0	.01	35
54	08/30/72	126	136	3.00	7.00	25.0	.02	32
54	09/26/72	182	142	5.00	7.10	29.0	.01	24
54	11/28/72	180	128	3.60	7.00	32.0	.01	20
54	12/26/72	162	118	3.50	7.10	26.0	.01	24
54	02/27/73	124	112	3.60	7.00	25.0	.01	31
54	03/30/73	122	114	3.80	7.00	25.0	.01	32

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
54	04/27/73	170	144	2.00	7.30	17.0	.01	20
54	05/24/73	192	136	2.40	6.90	50.0	.01	27
54	06/28/73	180	134	3.00	7.20	10.0	.01	28
54	08/30/73	174	150	3.80	7.10	29.0	.02	28
54	10/09/73	176	158	3.80	6.80	56.0	.01	28
54	11/06/73	152	146	3.20	6.90	39.0	.01	29
54	12/20/73	182	174	3.20	6.90	30.0	.01	22
54	01/29/74	156	160	3.00	7.00	32.0	.01	30
54	02/26/74	124	86	3.80	6.90	29.0	.01	26
54	03/28/74	118	92	3.60	7.10	19.0	.01	30
54	04/30/74	114	108	3.80	7.10	18.5	.01	30
54	07/24/74	144	130	5.00	7.10	23.0	.10	24
54	08/28/74	154	128	5.00	7.00	31.0	.10	28
54	09/27/74	150	144	5.00	7.10	24.0	.10	28
54	11/21/74	112	134	3.60	6.80	37.0	.10	24
54	12/31/74	132	122	3.50	6.80	44.0	.20	26
54	02/28/75	106	136	3.20	6.90	27.0	.20	20
54	03/26/75	104	92	3.20	6.50	70.0	.20	26
54	04/23/75	104	96	3.00	6.60	24.0	.20	30
54	05/27/75	104	102	3.20	6.80	33.0	.10	26
54	07/29/75	100	94	2.60	6.90	21.0	.10	26
54	09/25/75	100	98	3.00	6.90	28.0	.10	30
54	11/25/75	102	96	3.00	7.00	20.0	.20	28
54	12/30/75	150	140	2.80	7.00	31.0	.10	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
54	02/19/76	120	110	4.10	6.90	31.0	.20	26
54	03/30/76	100	104	6.80	6.80	31.0	.30	30
54	04/23/76	150	135	6.00	7.10	24.0	.22	24
54	06/17/76	145	120	5.80	7.10	7.0	.25	28
54	07/19/76	170	140	6.80	7.10	28.0	.30	34
54	08/20/76	160	135	3.60	6.50	--	.25	35
54	09/21/76	164	146	4.00	7.10	26.0	.15	30
54	10/21/76	164	144	3.80	7.10	23.5	.15	31
54	11/18/76	166	135	4.00	7.00	35.0	.15	30
54	02/15/77	136	140	3.60	7.10	22.0	.18	30
54	03/15/77	150	140	3.80	7.20	19.0	.25	32
54	04/15/77	150	135	3.90	7.10	18.0	.10	30
54	05/16/77	150	140	4.20	7.10	26.0	.15	30
54	06/21/77	160	145	4.40	7.10	26.0	.15	10
54	07/21/77	160	150	5.00	7.00	34.0	--	32
54	08/19/77	162	145	4.20	7.00	35.0	--	30
54	09/15/77	148	145	4.00	7.10	22.0	--	22
54	10/20/77	164	148	5.00	7.00	33.0	--	28
54	12/20/77	140	130	4.30	6.90	36.0	--	24
54	01/16/78	160	140	3.90	6.90	42.0	--	32
54	02/14/78	160	160	4.20	7.00	32.0	--	33
54	03/14/78	140	126	4.80	7.10	--	--	26
54	04/12/78	120	120	5.20	7.20	15.0	--	25

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
54	05/11/78	140	140	4.20	7.10	23.0	--	30
54	06/12/78	170	148	4.80	7.10	27.0	--	32
54	07/17/78	160	145	4.00	7.10	26.0	--	30
54	08/11/78	160	140	3.80	6.90	40.0	--	30
54	09/15/78	160	140	4.00	6.90	40.0	--	32
54	10/25/78	162	148	4.00	6.90	40.0	--	33
54	11/15/78	160	150	4.20	7.00	32.0	--	35
54	12/13/78	160	140	4.00	7.00	32.0	--	35
54	01/22/79	150	140	3.50	7.10	25.0	--	35
54	02/22/79	160	150	4.00	7.10	26.0	--	35
54	03/20/79	160	150	2.20	7.20	20.0	--	30
54	04/19/79	160	135	3.80	7.10	28.0	--	34
54	05/21/79	140	104	3.80	7.10	23.0	.12	35
54	06/13/79	160	140	4.00	7.20	20.0	.11	35
54	08/16/79	160	130	3.50	7.10	26.0	--	35
54	10/23/79	160	148	3.40	7.10	26.0	--	33
54	11/20/79	158	140	3.80	7.10	26.0	--	30
54	12/17/79	160	135	3.60	7.20	20.0	--	32
54	01/13/80	160	140	3.80	7.10	26.0	--	45
54	02/14/80	140	140	3.20	7.20	18.0	--	30
54	03/14/80	140	135	3.60	7.10	23.0	--	30
54	04/15/80	140	140	3.60	7.10	22.0	--	40
54	05/13/80	160	140	3.20	7.10	26.0	--	35

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
54	06/16/80	140	140	3.20	7.10	22.0	--	30
54	07/11/80	156	140	3.40	7.10	25.0	--	33
54	08/12/80	138	152	3.40	7.10	23.0	--	31
54	09/15/80	150	140	3.60	7.10	24.0	--	35
54	10/21/80	160	140	3.60	7.10	26.0	--	30
54	11/14/80	140	140	3.40	7.10	22.0	--	36
54	12/16/80	150	140	3.80	7.00	30.0	--	40
54	01/15/81	135	--	3.60	7.10	24.0	--	35
54	02/16/81	160	140	3.60	7.10	26.0	--	32
54	03/16/81	140	140	3.20	7.10	22.0	--	35
54	04/15/81	140	130	3.60	7.00	28.0	--	40
54	05/15/81	140	140	3.00	7.10	23.0	--	38
54	06/11/81	172	144	3.30	7.10	28.0	--	39
54	07/14/81	158	130	3.80	7.10	26.0	--	40
54	08/28/81	160	130	3.70	7.10	23.0	--	40
54	09/17/81	168	134	3.80	7.10	28.0	--	41
54	10/27/81	164	130	4.00	7.10	14.0	--	38
54	11/19/81	160	140	3.60	7.10	26.0	--	40
54	12/15/81	144	140	3.60	7.10	23.0	--	35
54	01/22/82	145	130	2.10	7.10	24.0	--	40
54	05/20/82	155	140	2.60	7.00	32.0	--	40
54	06/15/82	160	140	3.60	7.20	20.0	--	36
54	07/21/82	150	130	3.40	7.10	24.0	--	38

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
54	08/11/82	150	130	3.40	7.10	23.0	--	45
54	09/23/82	146	130	3.40	7.10	24.0	--	38
54	10/20/82	150	134	3.50	7.10	24.0	--	37
54	11/19/82	150	136	3.30	7.10	24.0	--	32
54	12/20/82	145	128	3.40	7.10	24.0	--	46
54	01/17/83	156	134	3.20	7.10	26.0	--	32
54	02/16/83	145	130	3.40	7.10	24.0	--	35
54	04/26/83	150	130	1.12	7.10	24.0	--	35
54	05/16/83	144	138	3.20	7.10	23.0	--	40
54	06/22/83	152	134	3.90	7.10	24.0	--	38
55	03/08/71	108	90	3.00	6.90	28.0	.01	32
55	04/21/71	104	90	3.40	7.00	22.0	.05	26
55	05/10/71	108	92	2.40	7.00	21.0	.04	28
55	06/11/71	108	94	4.00	7.00	22.0	.01	50
55	07/16/71	108	82	3.20	6.90	28.0	.02	26
55	08/17/71	148	96	4.80	7.00	30.0	.02	30
55	09/15/71	100	84	6.20	6.80	32.0	.01	25
55	10/22/71	126	76	3.00	7.00	16.0	.01	27
55	12/21/71	84	84	4.40	7.10	14.0	.01	20
55	01/25/72	102	80	3.20	7.10	14.0	.02	23
55	02/16/72	110	102	1.80	6.90	28.0	--	28
55	03/24/72	102	84	4.60	7.00	21.0	.20	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
55	04/28/72	106	80	4.00	7.00	12.0	--	18
55	05/18/72	106	68	3.20	6.70	44.0	--	20
55	08/30/72	134	72	3.20	7.00	27.0	.01	26
55	09/26/72	102	66	5.00	6.60	53.0	.03	31
55	11/28/72	100	72	4.00	6.80	34.0	.01	28
55	12/26/72	96	68	4.00	6.60	50.0	.01	30
55	02/27/73	98	112	3.20	6.80	33.0	.02	30
55	03/30/73	96	120	3.60	6.90	25.0	.02	32
55	04/27/73	64	72	4.40	6.60	44.0	.01	28
55	05/24/73	72	42	2.60	6.40	56.0	.01	24
55	06/28/73	60	44	3.80	6.70	25.0	.02	22
55	08/30/73	156	126	3.20	7.00	31.0	.02	24
55	10/09/73	144	134	2.80	6.90	37.0	.01	26
55	11/06/73	124	130	3.60	6.90	31.0	.01	24
55	12/20/73	58	58	4.00	6.90	16.0	.01	20
55	01/29/74	64	56	4.20	7.00	13.0	.01	26
55	02/26/74	108	90	4.40	6.80	35.0	.02	21
55	04/30/74	106	104	4.60	7.00	21.0	.02	18
55	07/24/74	96	84	4.20	6.90	25.0	.10	20
55	08/28/74	92	92	4.00	7.00	17.0	.10	26
55	09/27/74	86	86	4.00	7.00	15.0	.10	30
55	11/21/74	86	80	3.20	7.10	12.0	.20	30
55	12/31/74	104	94	2.50	7.00	21.0	.10	34

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
55	02/28/75	90	74	4.20	7.10	15.0	.10	28
55	03/26/75	64	52	4.00	6.50	54.0	.20	36
55	04/23/75	72	56	4.00	6.80	23.0	.20	30
55	05/27/75	102	88	2.00	6.90	26.0	.10	29
55	07/29/75	106	92	2.60	6.80	34.0	.20	30
55	09/25/75	104	90	2.40	7.00	21.0	.10	30
55	11/25/75	104	96	2.60	7.00	23.0	.10	26
55	12/30/75	100	100	3.20	7.00	20.0	.10	30
55	02/19/76	98	96	3.50	6.90	25.0	.20	27
55	03/30/76	100	90	5.00	6.90	26.0	.30	28
55	04/23/76	100	108	3.60	6.90	26.0	.25	32
55	06/17/76	58	50	4.40	6.50	32.0	.30	18
55	07/19/76	60	64	4.50	6.60	30.0	.25	20
55	08/20/76	80	66	4.00	6.60	40.0	.30	30
55	09/21/76	86	104	4.00	6.80	28.0	.15	26
55	10/21/76	116	108	4.20	6.90	29.0	.15	25
55	11/18/76	90	104	4.20	6.90	45.0	.20	28
55	02/15/77	100	100	3.90	7.10	16.0	.20	28
55	03/15/77	60	64	4.20	6.80	20.0	.15	18
55	04/15/77	65	68	4.00	6.80	20.0	.20	20
55	05/16/77	100	84	4.40	7.00	20.0	.18	27
55	06/21/77	100	90	5.20	7.10	14.0	.18	25
55	07/21/77	104	90	5.00	6.90	27.0	--	26

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
55	08/19/77	108	90	4.20	6.90	28.0	--	24
55	09/15/77	100	85	4.00	7.00	21.0	--	25
55	10/20/77	104	102	5.00	6.80	34.0	--	24
55	12/20/77	105	90	3.80	6.70	42.0	--	28
55	01/16/78	104	90	4.20	6.90	26.0	--	28
55	02/14/78	100	100	4.00	6.80	33.0	--	26
55	03/14/78	100	90	4.20	7.00	--	--	28
55	04/12/78	110	104	4.60	6.90	29.0	--	25
55	05/11/78	104	120	4.20	7.00	22.0	--	25
55	06/12/78	114	104	4.80	7.00	24.0	--	26
55	07/17/78	104	86	4.00	7.10	17.0	--	25
55	08/11/78	94	100	4.00	6.80	30.0	--	28
55	09/15/78	84	70	4.40	6.80	28.0	--	25
55	10/25/78	120	118	2.10	6.90	30.0	--	24
55	11/15/78	118	100	4.00	6.90	30.0	--	25
55	12/13/78	100	85	4.00	6.80	31.0	--	30
55	01/22/79	100	100	4.20	7.10	12.0	--	30
55	02/22/79	110	100	5.20	6.90	29.0	--	25
55	03/20/79	104	120	4.00	7.00	22.0	--	29
55	04/19/79	100	90	4.40	6.90	26.0	--	30
55	05/21/79	100	80	4.50	7.00	20.0	.10	30
55	06/13/79	104	90	4.50	7.00	21.0	.12	26
55	08/16/79	100	100	5.40	7.00	21.0	--	26

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
55	10/23/79	118	102	3.20	6.90	30.0	--	26
55	11/20/79	100	100	4.00	6.90	26.0	--	30
55	12/17/79	100	90	5.00	7.10	16.0	--	30
55	01/13/80	100	84	4.20	6.90	26.0	--	30
55	02/14/80	100	84	4.00	7.00	20.0	--	30
55	03/14/80	100	100	4.20	6.90	26.0	--	30
55	04/15/80	102	90	4.20	7.00	21.0	--	25
55	05/13/80	100	90	5.00	6.90	26.0	--	30
55	06/16/80	100	92	4.10	6.90	31.0	--	30
55	07/11/80	106	88	3.60	7.00	22.0	--	30
55	08/12/80	104	104	4.00	6.80	33.0	--	30
55	09/15/80	100	90	4.00	6.90	26.0	--	30
55	10/21/80	100	90	5.20	6.90	26.0	--	32
55	11/14/80	100	100	4.00	6.90	26.0	--	20
55	12/16/80	100	86	4.00	6.90	26.0	--	32
55	01/15/81	94	--	4.00	6.90	24.0	--	30
55	02/16/81	102	86	4.00	6.90	26.0	--	32
55	03/16/81	100	90	2.80	6.90	26.0	--	32
55	04/15/81	100	100	3.80	6.90	26.0	--	35
55	05/15/81	106	90	3.60	6.90	27.0	--	35
55	06/11/81	104	94	4.25	6.90	27.0	--	--
55	07/14/81	104	90	4.40	6.90	27.0	--	38
55	08/28/81	102	92	5.00	6.60	52.0	--	34
55	09/17/81	130	98	2.75	7.10	20.0	--	37

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
55	10/27/81	124	86	3.25	7.20	16.0	--	32
55	11/19/81	100	90	4.40	7.00	10.0	--	25
55	12/15/81	90	90	3.60	6.90	22.0	--	30
55	01/22/82	96	100	4.40	6.90	26.0	--	35
55	05/20/82	100	90	4.20	6.80	32.0	--	35
55	06/15/82	96	90	4.20	6.90	25.0	--	30
55	07/21/82	98	82	3.80	6.90	25.0	--	35
55	08/11/82	100	80	4.00	6.90	26.0	--	40
55	09/23/82	100	90	4.40	6.70	41.0	--	33
55	10/20/82	104	90	4.40	6.90	26.0	--	30
55	11/19/82	102	94	4.40	6.80	32.0	--	26
55	12/20/82	100	85	3.90	7.10	16.0	--	42
55	01/17/83	100	92	4.60	6.80	32.0	--	30
55	02/16/83	100	96	4.40	6.90	26.0	--	30
55	03/18/83	98	90	4.40	6.70	40.0	--	25
55	04/26/83	102	94	6.40	6.80	32.0	--	35
55	05/16/83	100	105	4.30	6.90	26.0	--	30
55	06/22/83	100	82	4.20	6.90	26.0	--	30
56	03/08/71	128	112	2.80	7.10	20.0	.02	31
56	04/21/71	124	104	2.40	6.90	34.0	--	26
56	05/10/71	124	112	4.00	6.90	32.0	.01	26
56	06/11/71	128	114	5.00	6.90	33.0	.01	42

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
56	07/16/71	130	104	6.00	6.80	44.0	.02	24
56	08/17/71	132	110	5.00	6.80	44.0	.04	26
56	09/15/71	126	120	5.40	6.90	33.0	.01	26
56	10/22/71	134	118	5.00	7.00	28.0	.01	26
56	12/21/71	124	102	4.20	7.40	10.0	.02	27
56	01/25/72	130	88	2.50	7.00	21.0	.02	24
56	02/16/72	138	124	1.80	7.00	28.0	--	22
56	03/24/72	80	64	4.20	6.60	43.0	.15	22
56	04/28/72	78	68	3.60	6.50	49.0	--	22
56	05/18/72	70	52	2.40	6.60	35.0	.01	17
56	08/30/72	82	44	2.40	6.40	60.0	.01	18
56	09/26/72	142	110	4.40	6.80	36.0	.01	26
56	11/28/72	132	102	3.20	7.00	28.0	.01	22
56	12/26/72	122	108	2.60	7.10	19.5	.01	22
56	02/27/73	122	102	2.80	7.10	19.5	.01	27
56	03/30/73	118	106	2.40	7.00	24.0	.01	24
56	04/27/73	122	98	4.20	6.80	40.0	.02	33
56	05/24/73	130	114	2.00	6.60	68.0	.02	18
56	06/28/73	122	92	2.40	7.00	26.0	.01	20
56	08/30/73	172	106	3.80	6.80	56.0	.01	31
56	10/09/73	150	116	4.00	6.60	64.0	.01	30
56	11/06/73	136	120	4.00	7.00	29.0	.01	30
56	12/20/73	124	116	3.80	6.80	31.0	.01	18

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
56	01/29/74	120	108	4.40	7.20	16.0	.01	31
56	02/26/74	126	126	3.20	6.90	33.0	.02	21
56	04/30/74	120	116	3.80	6.90	30.0	.02	20
56	07/24/74	102	82	4.20	6.80	36.0	.20	22
56	08/28/74	94	98	4.20	6.90	15.0	.20	30
56	09/27/74	90	106	3.60	7.10	15.0	.20	31
56	11/21/74	94	92	3.80	7.10	16.0	.10	30
56	12/31/74	118	104	3.20	6.90	30.0	.20	24
56	02/28/75	96	102	3.80	7.10	15.0	.10	30
56	03/26/75	118	90	4.00	6.80	35.0	.10	24
56	04/23/75	114	98	4.20	6.80	35.0	.20	26
56	05/27/75	120	100	2.20	6.90	31.0	.20	30
56	07/29/75	116	104	2.20	7.10	18.5	.20	30
56	09/25/75	112	100	2.60	7.10	17.0	.20	31
56	11/25/75	96	100	2.60	7.10	15.5	.20	30
56	12/30/75	110	108	3.80	7.00	22.0	.20	30
56	02/19/76	96	100	4.20	6.90	24.0	.35	27
56	03/30/76	80	80	7.40	6.60	43.0	.30	22
56	04/23/76	90	90	7.00	6.60	48.0	.25	20
56	06/17/76	100	90	5.80	6.70	42.0	.20	26
56	07/19/76	120	120	4.20	6.70	48.0	.18	30
56	08/20/76	100	118	4.50	6.70	42.0	.18	22
56	09/21/76	110	108	5.00	6.80	35.0	.22	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
56	10/21/76	112	98	5.20	6.90	26.0	.20	26
56	11/18/76	108	108	5.00	6.80	35.0	.20	26
56	02/15/77	110	100	3.80	7.00	22.0	.20	30
56	03/15/77	110	120	4.00	7.00	22.0	.20	28
56	04/15/77	112	112	4.10	7.10	23.0	.15	26
56	05/16/77	104	100	5.00	7.00	22.0	.20	25
56	06/21/77	110	120	5.60	7.10	18.0	.15	22
56	07/21/77	110	100	5.30	6.80	36.0	--	25
56	08/19/77	108	104	4.20	6.90	35.0	--	24
56	09/15/77	109	100	5.40	6.80	35.0	--	25
56	10/20/77	110	104	5.00	6.70	45.0	--	22
56	12/20/77	100	100	4.20	6.80	32.0	--	25
56	01/16/78	108	102	4.80	6.80	35.0	--	25
56	02/14/78	104	100	4.20	6.80	34.0	--	25
56	03/14/78	104	100	5.30	7.00	--	--	25
56	04/12/78	120	100	5.00	6.90	30.0	--	28
56	05/11/78	120	120	6.00	7.00	25.0	--	28
56	06/12/78	120	104	5.60	6.90	30.0	--	23
56	07/17/78	104	100	4.20	6.90	28.0	--	25
56	08/11/78	110	100	3.80	6.80	36.0	--	25
56	09/15/78	100	104	4.10	6.90	26.0	--	25
56	10/25/78	114	106	5.60	6.70	45.0	--	24
56	11/15/78	120	110	7.00	6.80	58.0	--	25
56	12/13/78	110	100	5.00	6.90	28.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
56	01/22/79	104	104	5.80	7.00	22.0	--	25
56	02/22/79	110	100	4.00	7.00	22.0	--	28
56	03/20/79	110	100	6.00	6.90	28.0	--	30
56	04/19/79	110	100	5.00	6.90	28.0	--	25
56	05/21/79	110	100	5.00	6.90	28.0	.10	25
56	06/13/79	110	100	6.00	6.90	28.0	.10	26
56	08/16/79	100	100	5.60	6.90	26.0	--	25
56	10/23/79	114	106	3.80	6.90	29.0	--	26
56	11/20/79	110	104	5.10	6.90	28.0	--	25
56	12/17/79	110	100	6.00	7.00	17.0	--	25
56	01/13/80	118	100	5.00	6.90	31.0	--	25
56	02/14/80	105	92	5.20	6.90	24.0	--	30
56	03/14/80	110	100	5.00	6.90	28.0	--	30
56	04/15/80	112	100	5.80	6.90	28.0	--	25
56	05/13/80	108	104	5.00	6.90	28.0	--	25
56	06/16/80	100	92	5.80	6.90	26.0	--	25
56	07/11/80	114	102	4.80	6.90	31.0	--	26
56	08/12/80	100	90	5.00	7.00	20.0	--	25
56	09/15/80	100	100	7.50	6.90	25.0	--	25
56	10/21/80	118	100	5.80	7.00	24.0	--	32
56	11/14/80	118	110	3.00	6.90	30.0	--	30
56	12/16/80	120	98	5.00	6.80	39.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
56	01/15/81	110	--	4.80	6.90	29.0	--	30
56	02/16/81	120	98	5.00	6.90	32.0	--	30
56	03/16/81	118	100	5.00	6.90	30.0	--	30
56	04/15/81	110	100	5.00	6.90	28.0	--	32
56	05/15/81	110	100	4.00	6.80	35.0	--	30
56	06/11/81	120	104	5.00	6.90	30.0	--	30
56	07/14/81	120	100	5.00	6.90	30.0	--	35
56	08/28/81	110	100	5.00	6.90	29.0	--	30
56	09/17/81	122	100	5.00	6.90	31.0	--	29
56	10/27/81	120	106	6.00	6.90	30.0	--	23
56	11/19/81	120	104	5.20	7.00	24.0	--	25
56	12/15/81	120	102	5.40	7.00	25.0	--	25
56	01/22/82	112	100	5.40	6.90	29.0	--	35
56	05/20/82	118	118	4.80	6.80	38.0	--	35
56	06/15/82	100	104	4.80	6.90	26.0	--	30
56	07/21/82	108	92	4.60	6.90	28.0	--	32
56	08/11/82	104	90	4.80	6.90	27.0	--	35
56	09/23/82	108	100	4.80	6.90	28.0	--	30
56	10/20/82	114	104	4.80	6.90	29.0	--	29
56	11/19/82	116	106	4.80	6.90	28.0	--	24
56	12/20/82	100	90	4.70	6.90	26.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
56	01/17/83	110	96	4.80	6.90	28.0	--	27
56	02/16/83	112	100	4.40	6.90	28.0	--	26
56	03/18/83	110	104	4.40	6.90	28.0	--	25
56	04/26/83	110	96	4.20	7.00	23.0	--	30
56	05/16/83	110	100	4.20	6.80	36.0	--	30
56	06/22/83	92	96	4.65	6.90	23.0	--	24
57	03/08/71	132	112	.02	7.40	11.0	--	31
57	04/21/71	126	118	.02	7.50	8.0	.03	29
57	05/10/71	132	114	.80	7.50	8.0	.02	30
57	06/11/71	138	110	.30	7.40	13.0	.04	50
57	07/16/71	130	160	1.10	7.30	14.0	.04	23
57	08/17/71	138	112	1.03	7.20	18.0	.04	25
57	09/15/71	140	142	1.10	7.50	9.0	.02	28
57	10/22/71	142	136	.04	7.60	7.0	.02	29
57	12/21/71	138	128	1.00	7.60	7.0	.02	28
57	01/25/72	132	100	.04	7.30	21.0	.04	26
57	02/16/72	94	104	.02	7.40	7.5	--	18
57	03/24/72	88	60	.04	7.40	7.0	.40	28
57	04/28/72	88	68	.03	7.60	4.5	--	26
57	05/18/72	138	112	.02	7.40	12.0	.03	26
57	08/30/72	140	140	.20	7.20	26.0	.04	30
57	09/26/72	138	110	1.30	7.10	23.0	.01	28
57	11/28/72	132	114	.04	7.40	12.0	.01	27

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
57	12/26/72	124	126	.02	7.60	8.0	.01	24
57	02/27/73	136	128	.06	7.40	8.0	.04	24
57	03/30/73	136	114	.04	7.60	7.0	.04	24
57	04/27/73	130	98	.06	7.20	16.5	.04	30
57	05/24/73	132	112	.04	7.20	17.0	.04	30
57	06/28/73	128	108	.04	7.40	11.0	.04	29
57	08/30/73	140	116	.04	7.30	14.0	.02	32
57	10/09/73	132	144	.04	7.10	21.0	.04	30
57	11/06/73	120	156	.04	7.10	19.0	.04	31
57	12/20/73	122	118	.02	7.30	13.0	.04	24
57	01/29/74	122	108	.02	7.30	14.0	.04	24
57	02/26/74	130	122	.04	7.10	21.0	.04	28
57	04/30/74	132	120	.04	7.10	21.0	.04	22
57	07/24/74	108	110	.80	7.30	12.0	.40	22
57	08/28/74	106	108	.07	7.10	17.0	.30	30
57	09/27/74	104	110	.08	7.10	16.0	.40	30
57	11/21/74	102	102	.08	7.00	22.0	.20	29
57	12/31/74	120	120	.04	7.20	16.0	.40	28
57	02/28/75	110	106	.04	6.90	28.0	.20	28
57	03/26/75	122	112	.04	7.20	16.0	.40	26
57	04/23/75	118	102	.04	7.20	15.0	.40	26
57	05/27/75	128	102	.02	7.20	22.0	.30	28

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
57	07/29/75	118	100	.02	7.10	19.0	.40	30
57	09/25/75	114	102	.02	7.10	18.5	.40	30
57	11/25/75	110	104	.02	7.10	18.0	.40	30
57	12/30/75	120	104	1.80	7.20	16.0	.40	30
57	02/19/76	120	104	.90	7.20	15.0	.20	27
57	03/30/76	110	108	1.24	7.30	12.0	.30	28
57	04/23/76	120	108	1.40	7.30	14.0	.25	16
57	06/17/76	118	100	1.20	7.20	15.0	.18	30
57	07/19/76	120	118	1.60	7.20	15.0	.20	30
57	08/20/76	120	120	1.20	7.30	7.0	.20	28
57	09/21/76	122	126	1.20	7.20	15.5	.15	25
57	10/21/76	120	114	1.40	7.20	15.0	.15	27
57	11/18/76	118	120	1.00	7.10	18.0	.18	25
57	02/15/77	104	110	.48	7.20	8.0	.18	30
57	03/15/77	120	120	1.20	7.20	12.0	.20	30
57	04/15/77	118	110	1.20	7.20	12.0	.20	30
57	05/16/77	112	110	2.20	7.30	11.0	.20	25
57	06/21/77	118	110	2.20	7.20	15.0	.20	10
57	07/21/77	120	104	2.70	7.10	20.0	--	25
57	08/19/77	118	102	2.50	7.10	18.0	--	25
57	09/15/77	118	104	3.00	7.10	18.0	--	30
57	10/20/77	118	112	2.40	7.10	19.0	--	22
57	12/20/77	120	102	2.00	7.00	25.0	--	28

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
57	01/16/78	120	102	2.50	7.00	25.0	--	25
57	02/14/78	120	104	2.50	7.10	18.0	--	26
57	03/14/78	120	100	2.20	7.20	--	--	25
57	04/12/78	120	118	2.50	7.10	25.0	--	30
57	05/11/78	120	100	2.00	7.20	15.0	--	30
57	06/12/78	120	118	2.60	7.30	12.0	--	25
57	07/17/78	120	104	2.80	7.20	15.0	--	25
57	08/11/78	120	120	2.30	7.10	18.0	--	25
57	09/15/78	120	108	2.50	7.10	19.0	--	30
57	10/25/78	120	112	1.80	7.00	25.0	--	25
57	11/15/78	120	116	2.50	7.10	19.0	--	28
57	12/13/78	110	110	2.40	7.10	17.0	--	30
57	01/22/79	120	102	2.20	7.20	15.0	--	28
57	02/22/79	115	110	2.50	7.20	14.0	--	30
57	03/20/79	120	110	1.50	7.30	12.0	--	28
57	04/19/79	120	104	1.60	7.20	15.0	--	28
57	05/21/79	118	120	1.80	7.30	20.0	.10	25
57	06/13/79	120	104	1.60	7.30	12.0	.10	28
57	08/16/79	118	106	2.20	7.30	14.0	--	30
57	10/23/79	120	112	1.55	7.20	15.0	--	26
57	11/20/79	120	100	1.60	7.20	16.0	--	25
57	12/17/79	118	105	1.70	7.30	13.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
57	01/13/80	118	100	1.60	7.20	16.0	--	25
57	02/14/80	110	100	1.60	7.30	11.0	--	30
57	03/14/80	118	110	1.70	7.20	15.0	--	30
57	04/15/80	118	110	3.40	7.20	15.0	--	30
57	05/13/80	116	120	3.20	7.20	15.0	--	30
57	06/16/80	120	104	1.80	7.20	15.0	--	25
57	07/11/80	118	104	2.60	7.20	14.0	--	28
57	08/12/80	118	108	1.60	7.30	13.0	--	25
57	09/15/80	118	100	1.90	7.20	15.0	--	30
57	10/21/80	120	100	1.60	7.30	12.0	--	32
57	11/14/80	120	100	2.00	7.20	15.0	--	30
57	12/16/80	120	100	4.20	7.10	19.0	--	30
57	01/15/81	118	--	1.60	7.30	12.0	--	32
57	02/16/81	116	104	4.00	7.20	14.0	--	30
57	03/16/81	115	110	1.80	7.10	18.0	--	35
57	04/15/81	118	104	1.50	7.10	18.0	--	32
57	05/15/81	120	118	1.20	7.10	19.0	--	32
57	06/11/81	126	108	1.85	7.20	16.0	--	31
57	07/14/81	110	120	.70	7.10	18.0	--	35
57	08/28/81	120	100	1.65	7.20	15.0	--	30
57	09/17/81	122	114	2.35	7.20	17.0	--	29
57	10/27/81	118	116	1.80	7.20	15.0	--	24
57	11/19/81	110	100	3.20	7.20	14.0	--	30
57	12/15/81	110	104	1.80	7.30	11.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
57	01/22/82	118	100	2.00	7.20	15.0	--	35
57	05/20/82	118	118	1.90	7.20	15.0	--	35
57	06/15/82	118	100	1.80	7.20	15.0	--	30
57	07/21/82	118	104	1.80	7.20	15.0	--	35
57	08/11/82	118	100	1.80	7.20	15.0	--	35
57	09/23/82	118	108	1.80	7.30	12.0	--	32
57	10/20/82	122	102	1.80	7.20	16.0	--	29
57	11/19/82	120	118	1.80	7.20	19.0	--	25
57	12/20/82	116	104	7.00	7.20	15.0	--	36
57	01/17/83	116	102	2.00	7.20	14.0	--	28
57	02/16/83	118	100	2.00	7.20	15.0	--	28
57	03/18/83	118	110	1.80	7.10	18.0	--	28
57	04/26/83	124	108	2.20	7.20	16.0	--	32
57	05/16/83	116	112	1.80	7.20	14.0	--	32
57	06/22/83	94	108	2.60	7.10	15.0	--	27
58	03/08/71	120	104	2.40	7.00	24.0	--	31
58	04/21/71	118	104	2.00	7.10	19.0	.05	28
58	05/10/71	120	112	1.80	6.90	31.0	.04	30
58	06/11/71	122	100	2.80	7.00	25.0	.01	52
58	07/16/71	120	94	1.60	6.90	32.0	.03	27
58	08/17/71	118	104	1.20	6.60	63.0	.04	27
58	09/15/71	122	122	4.80	7.00	26.0	.03	30
58	10/22/71	126	120	4.40	7.00	16.0	.03	31
58	12/21/71	120	118	3.60	7.10	19.0	.02	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
58	01/25/72	115	100	2.80	7.00	18.0	.02	25
58	02/16/72	124	94	2.40	7.00	25.0	--	28
58	03/24/72	118	92	3.40	7.00	24.0	.22	36
58	04/28/72	122	104	3.00	7.00	24.0	--	30
58	05/18/72	118	92	2.80	7.10	19.5	.01	27
58	08/30/72	106	104	3.00	7.10	17.5	.01	30
58	09/26/72	118	102	4.20	6.80	60.0	.01	28
58	11/28/72	118	116	3.00	7.00	26.0	.01	29
58	12/26/72	112	112	2.40	7.00	33.0	.01	28
58	02/27/73	120	114	2.80	7.00	24.0	.02	30
58	03/30/73	122	108	3.00	7.10	19.0	.02	30
58	04/27/73	112	88	6.20	6.90	29.0	.01	34
58	05/24/73	120	96	3.00	6.80	38.0	.01	31
58	06/28/73	110	98	2.80	7.10	18.0	.01	30
58	08/30/73	122	94	5.00	6.90	32.0	.01	32
58	10/09/73	118	102	5.60	6.90	39.0	.01	31
58	11/06/73	112	108	5.20	7.00	23.0	.01	32
58	12/20/73	110	100	3.20	6.90	28.0	.01	28
58	01/29/74	108	92	4.00	6.80	37.0	.01	30
58	02/26/74	120	102	3.20	6.90	31.0	.01	22
58	04/30/74	124	108	3.60	6.80	40.0	.02	24
58	07/24/74	104	90	4.00	6.90	28.0	.10	20
58	08/28/74	100	94	3.60	6.90	25.0	.10	28

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
58	09/27/74	104	108	4.20	6.80	34.0	.20	30
58	11/21/74	104	104	4.20	6.90	27.0	.10	29
58	12/31/74	112	98	3.50	6.80	36.0	.20	34
58	02/28/75	102	104	3.80	7.00	20.0	.10	28
58	03/26/75	112	96	4.80	6.80	34.0	.10	28
58	04/23/75	114	98	4.40	6.80	35.0	.10	30
58	05/27/75	116	88	4.00	6.80	38.0	.40	24
58	07/29/75	110	98	3.60	7.00	22.0	.26	31
58	09/25/75	106	96	3.40	7.10	17.0	.20	30
58	11/25/75	100	100	3.20	7.10	16.0	.10	28
58	12/30/75	126	110	5.00	6.90	33.0	.10	30
58	02/19/76	110	100	4.00	6.90	17.0	.25	27
58	03/30/76	120	108	5.00	6.90	31.0	.30	28
58	04/23/76	104	90	4.50	7.00	22.0	.20	30
58	06/17/76	108	102	5.00	6.90	28.0	.25	30
58	07/19/76	90	100	4.20	6.80	28.0	.25	30
58	08/20/76	104	96	4.50	6.70	42.0	.25	30
58	09/21/76	112	110	4.00	6.90	28.0	.25	24
58	10/21/76	108	118	4.60	6.90	28.0	.25	24
58	11/18/76	115	108	4.00	6.80	38.0	.25	24

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
58	02/15/77	100	90	4.20	7.00	20.0	.18	30
58	03/15/77	110	90	3.80	7.00	22.0	.20	30
58	04/15/77	110	94	3.80	6.90	21.0	.20	32
58	05/16/77	104	100	5.50	7.10	14.0	.20	25
58	06/21/77	110	90	4.60	7.10	17.0	.20	25
58	07/21/77	104	90	5.00	6.90	28.0	--	25
58	08/19/77	104	96	5.40	7.00	28.0	--	25
58	09/15/77	100	94	5.30	6.90	26.0	--	30
58	10/20/77	112	100	5.00	6.80	36.0	--	22
58	12/20/77	105	90	4.20	6.80	34.0	--	25
58	01/16/78	108	96	4.60	6.90	28.0	--	25
58	02/14/78	104	96	4.20	6.80	34.0	--	25
58	03/14/78	100	96	4.20	7.10	--	--	25
58	04/12/78	108	94	4.30	6.90	28.0	--	28
58	05/11/78	104	90	5.80	7.00	22.0	--	25
58	06/12/78	110	98	5.40	7.00	22.0	--	23
58	07/17/78	100	90	4.00	6.90	27.0	--	26
58	08/11/78	104	100	4.00	6.80	32.0	--	25
58	09/15/78	100	85	4.20	6.80	32.0	--	28
58	10/25/78	108	106	5.00	6.80	34.0	--	24
58	11/15/78	108	104	4.00	7.00	22.0	--	25
58	12/13/78	100	100	4.20	6.80	31.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
58	01/22/79	100	90	4.60	7.00	20.0	--	25
58	02/22/79	100	100	4.00	7.00	20.0	--	25
58	03/20/79	100	100	5.00	7.00	20.0	--	30
58	04/19/79	100	100	5.00	7.10	16.0	--	28
58	05/21/79	104	90	5.00	7.10	--	.10	25
58	06/13/79	104	90	5.00	6.90	26.0	.10	25
58	08/16/79	104	90	4.40	7.00	22.0	--	25
58	10/23/79	110	90	3.60	6.90	28.0	--	25
58	11/20/79	100	100	5.20	6.90	26.0	--	25
58	12/17/79	110	90	5.00	7.10	18.0	--	32
58	01/13/80	104	84	4.80	7.00	22.0	--	25
58	02/14/80	100	100	4.60	7.00	20.0	--	30
58	03/14/80	100	108	4.40	7.00	20.0	--	30
58	04/15/80	100	112	5.00	6.90	26.0	--	25
58	05/13/80	104	90	6.00	6.90	26.0	--	25
58	06/16/80	100	90	4.20	6.90	26.0	--	25
58	07/11/80	102	90	4.40	6.90	26.0	--	25
58	08/12/80	96	90	4.00	6.90	24.0	--	25
58	09/15/80	100	100	4.40	6.90	26.0	--	25
58	10/21/80	104	90	4.20	7.00	22.0	--	30
58	11/14/80	100	90	4.40	6.80	26.0	--	30
58	12/16/80	104	84	4.20	6.80	34.0	--	30

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
58	01/15/81	100	--	4.40	6.90	26.0	--	25
58	02/16/81	104	90	4.60	6.90	27.0	--	28
58	03/16/81	104	90	4.20	6.90	26.0	--	30
58	04/15/81	100	90	3.60	6.90	26.0	--	30
58	05/15/81	96	96	4.00	6.90	22.0	.10	32
58	06/11/81	102	88	4.20	6.80	32.0	--	29
58	07/14/81	110	96	4.80	6.90	28.0	--	35
58	08/28/81	102	96	4.80	7.00	21.0	--	25
58	09/17/81	130	92	2.45	7.30	13.0	--	35
58	10/27/81	130	100	2.20	7.20	16.5	--	29
58	11/19/81	102	94	4.60	6.90	26.0	--	30
58	12/15/81	100	90	4.60	7.10	16.0	--	26
58	01/22/82	100	100	4.60	6.90	26.0	--	35
58	05/20/82	100	90	4.40	6.90	26.0	--	30
58	06/15/82	100	84	5.60	7.00	21.0	--	30
58	07/21/82	100	100	4.20	6.80	32.0	--	35
58	08/11/82	100	86	4.40	6.90	26.0	--	35
58	09/23/82	100	90	4.20	6.90	26.0	--	35
58	10/20/82	106	106	4.40	6.90	27.0	--	28
58	11/19/82	104	96	4.10	6.90	26.0	--	25
58	12/20/82	104	88	4.30	6.80	33.0	--	35
58	01/17/83	102	90	4.40	6.90	27.0	--	30
58	02/16/83	102	80	4.20	6.90	26.0	--	27

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
58	03/18/83	104	90	4.20	6.90	26.0	--	28
58	04/26/83	104	112	4.00	6.90	26.0	--	32
58	05/16/83	102	100	3.00	6.90	26.0	--	35
58	06/22/83	106	90	4.75	6.90	27.0	--	26
59	05/15/81	120	110	.35	7.30	12.0	--	35
59	06/11/81	114	94	2.30	7.10	18.0	.40	23
59	07/14/81	100	90	3.00	7.10	16.0	--	30
59	08/28/81	96	80	3.00	7.20	22.0	--	25
59	09/17/81	104	40	3.50	7.10	14.0	--	22
59	10/27/81	104	82	3.70	7.10	17.0	--	18
59	11/19/81	90	72	3.70	7.00	16.0	--	20
59	12/15/81	92	84	3.20	7.10	14.5	--	20
59	01/22/82	90	80	3.40	6.90	24.0	--	30
59	05/20/82	84	70	3.40	6.90	22.0	--	20
59	06/15/82	84	80	3.40	7.10	14.0	--	20
59	07/21/82	82	70	3.20	7.00	11.0	--	26
59	08/11/82	82	68	3.00	7.00	17.0	--	26
59	09/23/82	80	74	3.20	7.00	16.0	--	25
59	10/20/82	80	68	3.20	6.90	20.0	--	18
59	11/19/82	86	76	3.20	6.90	22.0	--	21
59	12/20/82	86	69	2.90	7.00	17.0	--	24
59	01/17/83	84	70	3.20	7.00	17.0	--	20
59	02/16/83	84	72	3.20	7.10	12.0	--	20
59	03/18/83	84	92	3.00	7.00	17.0	--	20

Table 8.--Water-chemistry data from production wells, 1971-83--Continued

[Samples collected and analyzed by personnel of the Coos Bay-North Bend Water Board]

WELL	DATE	ALKALINITY (MG/L AS CACO3)	HARDNESS (MG/L AS CACO3)	IRON DISSOLVED (MG/L)	PH (UNIT)	CARBON DIOXIDE (MG/L)	FLUORIDE DISSOLVED (MG/L)	CHLORIDE DISSOLVED (MG/L)
59	04/26/83	84	80	3.00	6.90	21.0	--	25
59	05/16/83	84	88	2.00	7.00	18.0	--	25
59	06/22/83	90	76	3.60	7.00	18.0	--	17
60	02/27/80	120	90	.25	7.60	6.0	.12	37
60	05/15/81	122	96	.15	7.50	8.0	.12	45
60	06/11/81	142	100	.23	7.30	14.0	--	50
60	07/14/81	145	140	.30	7.50	9.2	--	55
60	08/28/81	140	104	.30	7.50	9.0	--	45
60	09/17/81	160	104	.05	7.50	10.0	--	46
60	10/27/81	164	100	.28	7.50	10.6	--	39
60	11/19/81	150	108	.45	7.50	9.2	--	40
60	12/15/81	142	102	.32	7.50	9.0	--	45
60	01/22/82	145	120	.40	6.90	9.1	--	45
60	05/20/82	145	96	.32	7.50	9.0	--	45
60	06/15/82	140	100	3.00	7.50	9.0	--	40
60	07/21/82	142	90	1.70	7.50	9.0	--	45
60	08/11/82	140	90	.38	7.50	8.6	--	46
60	09/23/82	140	96	.35	7.50	8.5	--	40
60	10/20/82	150	88	.39	7.50	9.5	--	36
60	11/19/82	154	92	.22	7.40	12.0	--	36
60	12/20/82	145	90	.40	7.50	9.0	--	45
60	01/17/83	142	94	.35	7.50	9.0	--	38
60	02/16/83	140	90	.80	7.50	9.0	--	38
60	03/18/83	138	96	.32	7.50	8.80	--	35
60	04/26/83	138	100	.32	7.30	14.0	--	40
60	05/16/83	138	124	.28	7.50	8.9	--	40
60	06/22/83	138	86	.44	7.50	8.9	--	37

Table 9.--Miscellaneous water-chemistry data from wells in the study area.

WELL	DATE	TIME	ELEVATION (FEET)	ELEVATION (METER)	ARSENIC (MG/L)	BORON (MG/L)	DISSOLVED MANGANESE (MG/L)	DISSOLVED ALUMINUM (MG/L)	BROMIDE (MG/L)	STRONTIUM (MG/L)	ORGANIC CARBON (MG/L)
3	08/11/77	--	19 1/	--	.015	.030	.040	--	--	--	--
7	08/10/77	--	21 1/	--	.001	<.020	<.010	--	--	--	--
10	08/11/77	--	20 1/	--	.031	.040	.090	--	--	--	--
11	08/11/77	--	20 1/	--	.019	.040	.070	--	--	--	--
15	08/12/77	--	19 1/	--	.020	.030	.080	--	--	--	--
21	08/12/77	--	20 1/	--	.019	<.020	.060	--	--	--	--
26	08/15/77	--	19 1/	--	.007	.030	.030	--	--	--	--
32	08/15/77	--	20 1/	--	.021	<.020	.040	--	--	--	--
33	08/16/77	--	20 1/	--	<.001	.030	<.010	--	--	--	--
41B	08/05/77	1440	19 1/	--	.028	<.020	.040	--	--	--	--
42	08/17/77	1205	19 1/	--	.005	.030	.200	--	--	--	--
44	08/18/77	1130	18 1/	--	.002	.030	.080	--	--	--	--
45	08/18/77	1435	20 1/	--	.034	.030	.040	--	--	--	--
46	08/18/77	1555	19 1/	--	.020	<.020	.080	--	--	--	--
47	08/18/77	1330	19 1/	--	.033	.030	.040	--	--	--	--
48	08/22/77	1450	21 1/	--	.050	<.020	.080	--	--	--	--
49	08/23/77	1315	19 1/	--	.016	<.020	.060	--	--	--	--
50	08/23/77	1605	20 1/	--	.010	<.020	.060	--	--	--	--
51A	08/24/77	1130	15 1/	--	.017	.030	.050	--	--	--	--
51B	08/24/77	1320	18 1/	--	.019	<.020	.040	--	--	--	--
52	08/29/77	1035	19 1/	--	.003	<.020	.030	--	--	--	--
B1	10/21/81	1717	-159	-48.5	--	.810	--	--	7.60	--	--
B3	05/19/82	1254	-16	-4.9	--	--	--	--	--	.070	--
B3	05/19/82	1201	-31	-9.4	--	--	--	--	--	.060	--
B3	05/19/82	1600	-51	-15.5	--	--	--	--	--	.110	--
B3	05/19/82	1010	-63	-19.2	--	--	--	--	--	.130	--
B3	05/18/82	1639	-81	-24.7	--	--	--	--	--	.160	--
B3	05/18/82	1934	-87	-26.5	--	--	--	--	--	.160	--
B3	05/18/82	1739	-110	-33.5	--	--	--	--	--	.160	--
B3	05/18/82	1551	-135	-41.1	--	--	--	--	--	.140	--
B3	05/18/82	1501	-153	-46.6	--	--	--	--	--	.160	--
B3	05/18/82	1340	-159	-48.5	--	--	--	--	--	.170	--
B3	05/18/82	1231	-171	-52.1	--	--	--	--	--	.460	--
B4	12/04/79	0930	--	--	.010	.090	.007	--	--	--	--
B4	11/21/79	0830	-157	--	.010	.120	.007	--	--	--	--
HB	06/03/75	0820	--	--	--	.004	.050	--	--	--	--
HB	06/02/75	2100	--	--	--	<.020	.040	--	--	--	--
P1	10/18/78	1450	6	1.8	--	--	--	--	.30	--	--
P1	10/18/78	1505	2	0.6	--	--	--	--	.10	--	--
P1	10/18/78	1515	-2	-0.6	--	--	--	--	.10	--	--
P1	10/18/78	1525	-6	-1.8	--	--	--	--	.10	--	--
P1	10/18/78	1535	-10	-3.0	--	--	--	.020	.20	--	--
P1	10/18/78	1545	-14	-4.3	--	--	--	--	.10	--	--
P1	10/18/78	1555	-18	-5.5	--	--	--	--	.10	--	--
P1	10/18/78	1605	-22	-6.7	--	--	--	--	.10	--	--
P1	10/18/78	1458	-26	-7.9	--	--	.070	.010	.10	--	--

Table 9.--Miscellaneous water-chemistry data from wells in the study area.--Continued

WELL	DATE	TIME	ELEVATION (FEET)	ELEVATION (METER)	ARSENIC (MG/L)	BORON (MG/L)	DISSOLVED MANGANESE (MG/L)	DISSOLVED ALUMINUM (MG/L)	BROMIDE (MG/L)	STRONTIUM (MG/L)	ORGANIC CARBON (MG/L)
P1	09/14/78	1600	6	1.8	.002	.050	.040	--	--	--	2.4
P1	09/14/78	1615	2	0.6	.028	.060	.060	--	--	--	2.6
P1	09/14/78	1620	-2	-0.6	--	--	--	--	--	--	2.6
P1	09/14/78	1630	-6	-1.8	--	--	--	--	--	--	2.7
P1	09/14/78	1645	-10	-3.0	--	--	--	--	--	--	3.2
P1	09/14/78	1700	-14	-4.3	.070	.030	.100	--	--	--	1.7
P1	09/14/78	1710	-18	-5.5	--	--	--	--	--	--	1.3
P1	09/14/78	1720	-22	-6.7	--	--	--	--	--	--	1.9
P1	09/14/78	1730	-26	-7.9	.060	.040	.060	--	--	--	0.8
P2	03/05/79	2025	-41	-12.5	--	--	.040	<.100	.20	--	--
P2	10/19/78	1130	4	1.2	--	--	--	--	.20	--	--
P2	10/19/78	1140	-1	-0.3	--	--	--	--	.20	--	--
P2	10/19/78	1150	-6	-1.8	--	--	--	--	.20	--	--
P2	10/19/78	1200	-11	-3.4	--	--	--	--	.20	--	--
P2	10/19/78	1230	-16	-4.9	--	--	--	--	.10	--	--
P2	10/19/78	1245	-21	-6.4	--	--	--	.040	.20	--	--
P2	10/19/78	1315	-26	-7.9	--	--	--	--	.10	--	--
P2	10/19/78	1330	-31	-9.4	--	--	--	--	.10	--	--
P2	10/19/78	1340	-36	-11.0	--	--	--	--	.10	--	--
P2	10/19/78	1350	-41	-12.5	--	--	--	.030	.10	--	--
P2	09/14/78	1000	4	1.2	.006	.050	.030	--	--	--	4.2
P2	09/14/78	1020	-1	-0.3	--	--	--	--	--	--	4.1
P2	09/14/78	1030	-6	-1.8	--	--	--	--	--	--	3.8
P2	09/14/78	1040	-11	-3.4	.003	.040	<.010	--	--	--	3.9
P2	09/14/78	1100	-16	-4.9	--	--	--	--	--	--	3.7
P2	09/14/78	1110	-21	-6.4	--	--	--	--	--	--	2.1
P2	09/14/78	1120	-26	-7.9	--	--	--	--	--	--	1.9
P2	09/14/78	1130	-31	-9.4	--	--	--	--	--	--	1.6
P2	09/14/78	1135	-36	-11.0	.039	.060	.020	--	--	--	2.4
P2	09/14/78	1145	-41	-12.5	--	--	--	--	--	--	3.6
205	10/20/78	1430	--	--	--	--	--	.030	.10	--	--
41A	03/09/79	1210	--	--	.005	.070	.020	.030	--	--	--
44	10/20/78	1400	--	--	--	--	--	.050	1.40	--	--
45	08/03/79	1310	--	--	.028	.250	.030	.030	.70	--	--

1/ Sampling depth (elevations not available).

Table 10.--Selected data for production wells of the Coos Bay-North Bend Water Board, 1983.

[Updated from Robison, 1973, table 6]

Well number	Year Drilled	Year Routine operation	Altitude (ft)	Well screens interval Depth (feet)	Well screens interval Altitude (ft below msl)	Well screens interval Total length (feet)	Total aquifer thickness (feet)	Conducted or reported test Rate gpm	Conducted or reported test Drawdown (ft)	Conducted or reported test Specific capacity gpm (ft)
41	1968	1970	24	57-104	33-80	47	98	485	20.9	23
42	1968		22	52-100	30-78	48	125	350	19.2	18
43	1968	1970	20	71-108 150-171	51-88 130-151	58* 21**	170 170	466 391	17.1 35.3	27* 11**
44	1968	1970	22	87-119 159-185	65-97 137-163	58* 26**	170 170	438 426	12.6 21.4	34.9* 20**
45	1968	1970	18	69-84 108-130 154-176	51-66 90-112 136-158	59	175	390	9.9	40
46	1968	1970	17	80-111 159-180	63-94 142-163	52	175	540	24.2	22
47	1957	1961	24	56-135	32-111	79	125	200	35.5	5.6
48	1957	1961	26	82-134	56-108	52	125	150	11.1	13.6
49	1957	1961	23	78-130	55-107	52	125	190	18.8	10
	1957	1961	23	78-130	55-107	52	125	186	56.6	3.3***
50	1960	1961	25	63-120	38-95	57	125	407	22.4	18
51	1960	1961	21	61-81 104-135	40-60 83-114	51	155	307	21.0	15
52	1960	1961	22	60-85 140-170	38-63 118-148	55	200	355	15.5	23
53	1968	1968	23	56-97	33-74	41	110	280	14.9	19
54	1968	1968	23	55-102	32-79	47	98	280	13.9	20
55	1968	1968	24	53-97	29-73	44	98	280	11.8	24
56	1968	1968	26	58-100	32-74	42	94	280	14.8	19
57	1968	1968	23	58-100	35-77	42	102	310	15.0	21
58	1968	1968	24	63-111	39-87	48	110	350	19.0	18
59	1980	1981	24	83-130	59-106	47	135	450	17.5	26
60	1980	1981	64	123-155	59-91	32	160	450	27.0	17

* Upper well screen was sleeved off, October 1981; specific capacity measured prior to sleeving.
** Lower screen only; specific capacity measured in October 1981.
*** Specific capacity measured May 13, 1981.

Table 11.--Construction data for profile and test wells in the coastal dunes aquifer.

Well	Summarized description	Range in elevation of tube screens or well screen (feet)	Drilling method	Approximate date completed
		Horsfall Beach Section		
B1	32 tube screens, .25-inch I.D.	-3 to -223	cable tool	8/79
	central 1.25-inch PVC pipe with screen	-142 to -147		
B2	30 tube screens, .25-inch I.D.	0 to -179	do.	9/79
	central 1.25-inch PVC pipe with screen	-146 to -151		
B3	33 tube screens, .25-inch I.D.	+4 to -210	do.	10/79
	central 1.25-inch PVC pipe with screen	-147 to -153		
B4	10 inch casing with well screen	-152 to -162	do.	9/79
	well modified in December 1979	-147 to -162	do.	12/79
B5	27 tube screens, .25-inch I.D.	+10 to -170	do.	8/81
	central 1.25-inch PVC pipe with screen	-157 to -162		
P1	9 tube screens, .25-inch I.D.	+6 to -26	jetting rig	6/78
P2	10 tube screens, .25-inch I.D.	+4 to -41	do.	8/78
P3	11 tube screens, .25-inch I.D.	+13 to -27	do.	do.
P4	11 tube screens, .25-inch I.D.	+11 to -29	do.	do.
P5	10 tube screens, .25-inch I.D.	+6 to -35	do.	9/78
P6	9 tube screens, .25-inch I.D.	+5 to -31	do.	do.
P7	7 tube screens, .25-inch I.D.	+8 to -18	do.	do.
P41A	2 inch galvanized pipe with 3-ft well point	-129 to -132	cable tool	1968
P44	2 inch galvanized pipe with 3-ft well point	-138 to -141	do.	do.
P45	2 inch galvanized pipe with 3-ft well point	-138 to -141	do.	do.
205	2 inch galvanized pipe with 3-ft well point	-138 to -141	cable tool	1957
HB	10 inch casing with well screen	-20 to -35	do.	1975
100W	1.25 to 2 inch galvanized pipe with 3-ft well point	-9 to -12	jetting rig	do.
200N	1.25 to 2 inch galvanized pipe with 3-ft well point	-12 to -15	do.	do.
200W	1.25 to 2 inch galvanized pipe with 3-ft well point	-9 to -12	do.	do.
400W	1.25 to 2 inch galvanized pipe with 3-ft well point	-5 to -8	do.	do.
		North Coastal Section west of Saunders Lake		
NTW	10 inch casing with stainless well screen	-16 to -26	cable tool	1978
100E	1.25 to 2 inch galvanized pipe with 3-ft well point	-10 to -13	jetting rig	do.
100S	1.25 to 2 inch galvanized pipe with 3-ft well point	-21 to -24	do.	do.
100W	do.	-22 to -25	do.	do.
250W	1.25 to 2 inch galvanized pipe with 3-ft well point	-6 to -9	do.	do.
400N	1.25 to 2 inch galvanized pipe with 3-ft well point	0 to -3	do.	do.
TIDE	1.25 to 2 inch galvanized pipe with 3-ft well point	-3 to -6	do.	do.
P8	10 tube screens, .25-inch I.D.	+6 to -39	do.	7/78
P11	7 tube screens, .25-inch I.D.	8 to -22	do.	8/78